

PRODUCT SELECTION GUIDE

edition 10



PEERLESS®

MARK
ARCHITECTURAL
LIGHTING



AcuityBrands.



As the recognized leader in the lighting industry, our mission is to deliver consistently superior value to our customers. This commitment is a part of everything we do, driving us to continuously develop and improve our products and the processes to fulfill your need for quality lighting solutions.

Our commitment begins with the industry's strongest portfolio of products.

We support our products with a long-standing resolve to provide superior service before and after the sale, which is provided by employees with unrivaled experience and lighting expertise and an industry-leading agency sales force.

You can count on us to support you for all your lighting needs.

Acuity Brands® boasts a diverse portfolio of leading lighting brands and lighting management systems. Brands featured in this Product Selection Guide include:



Providing the industry's broadest line of lighting fixtures, including commercial & industrial fluorescent, fluorescent high bay, special application, indoor HID, emergency, downlighting & track, decorative & residential and outdoor.
www.lithonia.com



Largest premium brand offering of historically-styled outdoor decorative products available in the market today. Products include outdoor decorative lighting posts, post-top luminaires, and roadway and traffic signal posts.
www.antiquestreetlamps.com



Highly regarded by architects and lighting designers as the best choice for interior lighting for commercial and institutional applications for their design and performance.
www.peerless-lighting.com



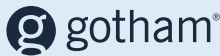
Industry's premier brand of specification-grade architectural and landscape lighting products. Hydrel's architectural lighting products include a variety of accent, border, underwater, and custom-designed fixtures and accessories.
www.hydrel.com



Full-line, specification-oriented manufacturer of quality lighting products. Mark Architectural Lighting provides a palette of standard fixtures, as well as an innovative and creative design resource within the architectural design community.
www.marklighting.com



Industry-leading developer and manufacturer of lighting controls and energy-management systems. Sensor Switch offers a wide breadth of products and solutions that substantially reduce energy consumption including occupancy sensors, photocontrols and distributed lighting control devices.
www.sensorswitch.com



Focusing on architectural integration, optical performance, reliability and innovative manufacturing processes has made Gotham one of the most respected names in architectural lighting.
www.gothamlighting.com



Employs the best that technology has to offer to manufacture simple, yet flexible lighting controls. With projects spanning the globe, LC&D has the products and the support to make any size project go smoothly.
www.lightingcontrols.com



Offers unique wiring systems that are fast, easy and effective, including: Quick-Flex® wiring for recessed ceiling lighting installations, OnePass® system for open-ceiling lighting installations and System 820 for specialty lighting and power applications.
www.relocwiring.com



Produces a wide range of control systems. These systems are suitable for applications in high-rise office buildings, multi-building complexes, manufacturing plants and sports facilities.
www.synergylightingcontrols.com



An architectural outdoor lighting collection of artistically inspired outdoor luminaires and accessories that coordinate day-form appearance with nighttime performance. Tersen produces modern and innovative lighting fixtures for area, site/pedestrian, pathway, wall mount and accent categories that exude consistent aesthetics, while producing superior optical results.
www.tersenlighting.com

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THINK

FORM INNOVATION

ENERGY

SOLUTIONS



The Experience of Lighting™

For more information, visit www.acuitybrands.com.

AcuityBrands.

Acuity Brands® is transforming the way we deliver light. We build on our experience and reputation for delivering superior lighting solutions using and investing in the latest technologies. We are keenly focused on delivering innovation, style, energy and solutions to solve your lighting challenges.

Think Innovation

Look to us as a leader in the application of energy-efficient lighting technologies including LEDs.

Each year Acuity Brands introduces dozens of new families of products. These new products include an array of energy-efficient fixtures with advanced optics incorporating T5 and T5HO lamps and new technologies such as light-emitting diodes (LEDs).

Our research and development teams coupled with strong industry partnerships are bringing long-life, energy-efficient LED technology to area lighting, street and roadway lighting, and a wide variety of indoor and residential applications.

Think Energy

Lighting accounts for about 40 percent of electrical energy consumption in commercial spaces.

As the cost of energy continues to rise, our customers are demanding more energy-efficient lighting solutions that lower their operating costs. Additionally, our customers are increasingly committed to reducing their environmental impact and finding solutions with high-performance lighting and control systems.

Products made by Acuity Brands are at the forefront of the industry in innovation and efficiency. In addition to products targeted at the new construction market, we are aggressively addressing opportunities in the \$70 billion renovation market.

Our portfolio of lighting controls products and systems offer some of the most technologically advanced sustainable lighting solutions incorporating both controls and fixtures to maximize energy savings while delivering exceptional quality lighting.

Think Form

Form, function and creativity. Our architectural indoor and outdoor products are preferred by designers based on style and performance.

We collaborate with designers during our product development process to maintain a balance of superior lighting performance and construction with attention to aesthetics and style. Lighting can create an interesting space in many ways.

Products designed by Acuity Brands work in harmony with many of the world's most elegant structures. From the new World War II Memorial in Washington D.C. to Minneapolis' Guthrie Theatre to the Petronas Towers in Malaysia, our lighting products enhance unique architectural forms with well-styled product designs, and well-delivered illumination.

Think Solutions

We understand the unique challenges in lighting applications and systems – and deliver solutions.

Whether it's solving a particular application need, understanding specific market environments, new technologies or system requirements, we have the expertise to solve the problem.

Acuity Brands became one of the first lighting manufacturers to supply architecture, engineering and design professionals with 3D product models that work with leading-edge building information modeling (BIM) software. This allows professionals to seamlessly integrate lighting into a project, saving both time and money as they eliminate the guesswork of energy compliance and how the lighting will look and interact in the built environment.

Think Acuity Brands

A Total Lighting Renovation Solution

As North America's leading provider of lighting renovation solutions, Acuity Brands® has renovated the lighting in more than 10,000 facilities. Our portfolio of lighting fixtures, lighting controls and services can help customize a lighting renovation solution to maximize the benefits you value the most.

- *Reduce energy demand and costs
- *Lower maintenance costs
- *Generate financial benefits

- *Improve the visual environment
- *Enhance employee productivity
- *Decrease carbon emissions



Innovative products optimized for your application

Office: An office lighting renovation can significantly enhance the visual environment, providing comfortable light that enhances productivity. Acuity Brands offers innovative, energy-saving office solutions in fluorescent direct/indirect lighting, downlighting and lighting controls.

Industrial: Industrial environments range from heavy manufacturing to cold-storage facilities, where high- and low-ambient temperatures can significantly impact lighting performance. We offer a variety of energy-efficient industrial lighting solutions, including rough service and security lighting.

Warehouse/Distribution: We offer a broad array of energy-efficient high bay fluorescent and HID lighting solutions designed to maximize horizontal and vertical illumination in aisles, reducing picking errors and improved safety.

Retail: Energy-efficient retail lighting solutions must optimize visual comfort and maximize merchandising effectiveness in both small and spacious environments. Acuity Brands offers multiple fluorescent luminaires and energy-efficient downlighting for interiors and outdoor HID for parking area safety.

Education/Healthcare: From lighting controls and LED exits to fluorescent direct and indirect suspended lighting, we offer a wide variety of innovative products that reduce energy costs and optimize environments for learning and healthcare.

Outdoor/Street Lighting: Acuity Brands is a leader in providing environmentally sensitive outdoor lighting and streetlight systems.



LED Technology and Product Offering

Acuity Brands® continues to develop products incorporating the latest solid-state lighting (SSL) technologies. SSL technology enables more intelligent buildings through advanced controls integration (adaptive/responsive) for lighting and other building environmental systems. SSL facilitates integration with alternative energy sources.

Our key tenets for incorporating LED and solid-state technology into products include:

Quality First: At Acuity Brands, we are determined to provide products that meet the highest standards of quality, reliability and achievement of stated performance levels. This comes from a deep-seated knowledge in LED die and packaging, thermal management, and optics drivers and controllers.

Real Solutions: Our product innovation efforts drive to providing real solutions for real application needs. We incorporate the most appropriate light sources based on specific application needs of our customers.

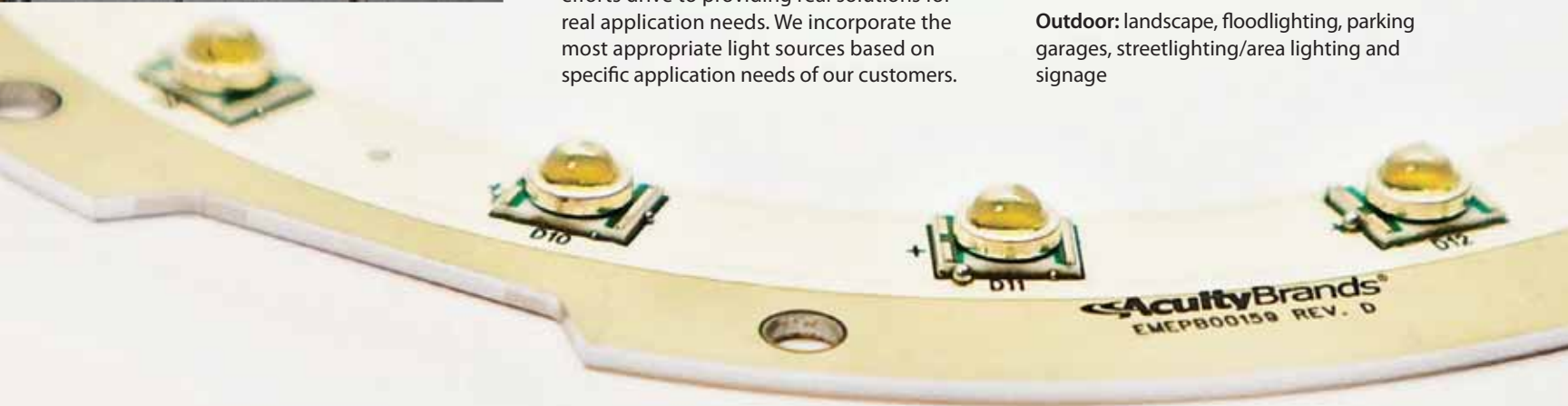
Strategic Partnerships: We specify SSL technologies from a variety of sources to use the best and most appropriate components and technologies for each new luminaire design and its intended application.

Authoritative Information: Our position is to lead the industry in terms of expertise and education based on a clear understanding of light source performance to set the standard for accuracy and reliability.

Throughout the catalog, look for the LED symbol designating products incorporating SSL technologies. These include products for both indoor and outdoor applications.

Indoor: undercabinet, display cases, office lighting, cove, downlighting (commercial/architectural), accent/wallwash luminaires, emergency/exit signage and hazardous

Outdoor: landscape, floodlighting, parking garages, streetlighting/area lighting and signage



The LED symbol designates Acuity Brands products using innovative solid-state lighting technology. Visit www.AcuityBrands.com



The Acuity Brands® Service Promise

Within the pages of this product catalog, you'll find the broadest product offering of any lighting company in North America. Each page will offer you an array of options to enable you to select the ideal product for your particular application.

Within the ordering trees for most products in this book, you'll see that we've **bolded** the typeface on many options. Any product configuration made up of bolded options can be manufactured within two weeks of the time we receive your order.

Commissioning
Two-lamp systems offer energy savings when compared to a common three-lamp TR system.

Low profile 3 1/8" depth makes RTS ideal for applications where plenum height is a factor.

Lighting control is necessary to prevent light from reaching tabs.

Optics
Delivers Volumetric Lighting by filling the entire volume of space with light, delivering the ideal amount to walls, cubicles, work surfaces and people. Luminous character.

Lighting control is necessary to prevent light from reaching tabs.

Lighting control is necessary to prevent light from reaching tabs.

Lighting control is necessary to prevent light from reaching tabs.

LED **XP**
XtremeQuick

ORDERING INFORMATION: For shortest lead times, configure products using **bolded options**.

Series	Lamp type ¹	Voltage	Ballast ¹	Lamp ¹	Options
2RTS 2' wide	14TS 14W TS (22")	MVOLT	GE890	LPM835P Lamped with premier 3500°K lamp ⁴	GLR Fast blow fuse ⁶
	28TS 28W TS (46")	347 ⁷	GE890S	LPM830P Lamped with premier 3000°K lamp ⁴	PWS1836 6' prewire 1/2" diameter, 18-gauge, 3-wire ⁸
	24TSHD 24W TSHD (22")		GE895	LPM841P Lamped with premier 4100°K lamp ⁴	PWS1846 6' prewire 1/2" diameter, 18-gauge, 4-wire ⁸
	54TSHD 54W TSHD (46")		GE895S	L835XP Lamped with premier XP 3500°K lamp ⁴	EL14 Emergency battery pack
			GE8115	L830XP Lamped with premier XP 3000°K lamp ⁴	HW Hardware for SIMPLY5 system; replaces RELLOC
			GE8115S	L841XP Lamped with premier XP 4100°K lamp ⁴	CSA Canadian standards
			GE810PS	LP835 Lamped with 3500°K lamp ⁴	NOM Mexico standards
			55 ⁹	LP830 Lamped with 3000°K lamp ⁴	
				LP841 Lamped with 4100°K lamp ⁴	

Example: 2RTS 28TS MVOLT GE895 LPM835P

ADDITIONAL INFORMATION: For additional product information, visit www.lithonia.com.

AVAILABILITY AND DIMENSIONS					
SERIES	NOMINAL SIZE	NUMBER OF LAMPS	LAMP TYPE	BALLAST	DESCRIPTION
2RTS	2'-4"	1	2RTS	GE890	Premier XP, set light output, 0.908F
2RTS	2'-4"	1	2RTS	GE890S	Premier XP, step dimming, 0.908F
2RTS	2'-4"	1	2RTS	GE895	Lamped with light output, 0.908F
2RTS	2'-4"	1	2RTS	GE895S	Standard, step dimming, 0.908F
2RTS	2'-4"	1	2RTS	GE8115	Premier XP, set light output, 0.908F
2RTS	2'-4"	1	2RTS	GE8115S	Premier XP, step dimming, 0.908F
2RTS	2'-4"	1	2RTS	GE810PS	Premier XP, set light output, 0.908F
2RTS	2'-4"	1	2RTS	55	Premier XP, step dimming, 0.908F

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

Contractor Select

The Contractor Select Stock program is Lithonia Lighting's solution to simplify the way you do business by reducing costs, improving productivity and driving sales growth. Contractor Select consists of a focused set of competitively priced products from our key product categories and represents the most common distributor stock configurations. Each product carries a 1-year full-fixture warranty, including the ballast. Product descriptions have been shortened to simplify product selection and ordering and packaging enhanced to improve merchandising efforts. With the addition of a guaranteed sale policy, the Contractor Select Stock program is a risk-free solution.



The Contractor Select symbol is used to identify the products included in the Contractor Select Stock program.

PSG Terms and Symbols



The LED symbol designates Acuity Brands® products using innovative solid-state technology. This includes both indoor and outdoor lighting products across all our major brands. We stand behind our reputation with a commitment to provide tested LED products for every specific and appropriate application. We also partner with LED component providers equally dedicated to the responsible implementation of this exciting new development in lighting.



LightQuick® Express Delivery offers a 24- to 48-hour delivery on Lithonia Lighting's most popular flow products. LQ XD supplements your local inventory to service small to mid-size express projects with local distribution support. Product information is available on the Lithonia Distributor Center (LDC) at www.lithoniadistributorcenter.com. The LDC is a powerful online tool that delivers accurate real-time information and allows access to product availability, order status, electronic documents, freight claim submittal and order placement.



Nighttime Friendly™ designation focuses on no up-light as well as high angle brightness and requires laboratory test data based on IESNA standards. This criterion is consistent with LEED and Green Globes guidelines for environmental sustainability. The Acuity Brands Conyers lab is NVLAP accredited, an accreditation that requires a strict quality control process and 3rd party audit by the National Institute of Standards & Technology (NIST).



The EISA symbol indicates the applicable product meets the Energy Independence & Security Act 2007, a federal law (Public Law 110-140, approved on December 19, 2007), that has broad-reaching implications aimed at the reduction of energy consumption, reduced dependence on oil and strategies for addressing global climate change. A portion of this law mandates the efficiency of metal halide ballasts from 150W - 500W and are manufactured (or imported) for sale in the United States on or after January 1, 2009. Acuity Brands is committed to energy conservation and compliance with federal and state laws. All applicable products manufactured or imported for sale in the U.S. after January 1, 2009, are EISA compliant.



ENERGY STAR® is a government-backed program helping businesses and individuals protect the environment through superior energy efficiency. The ENERGY STAR logo on our products helps identify quality products that meet strict energy-saving guidelines, save money and help protect the environment.



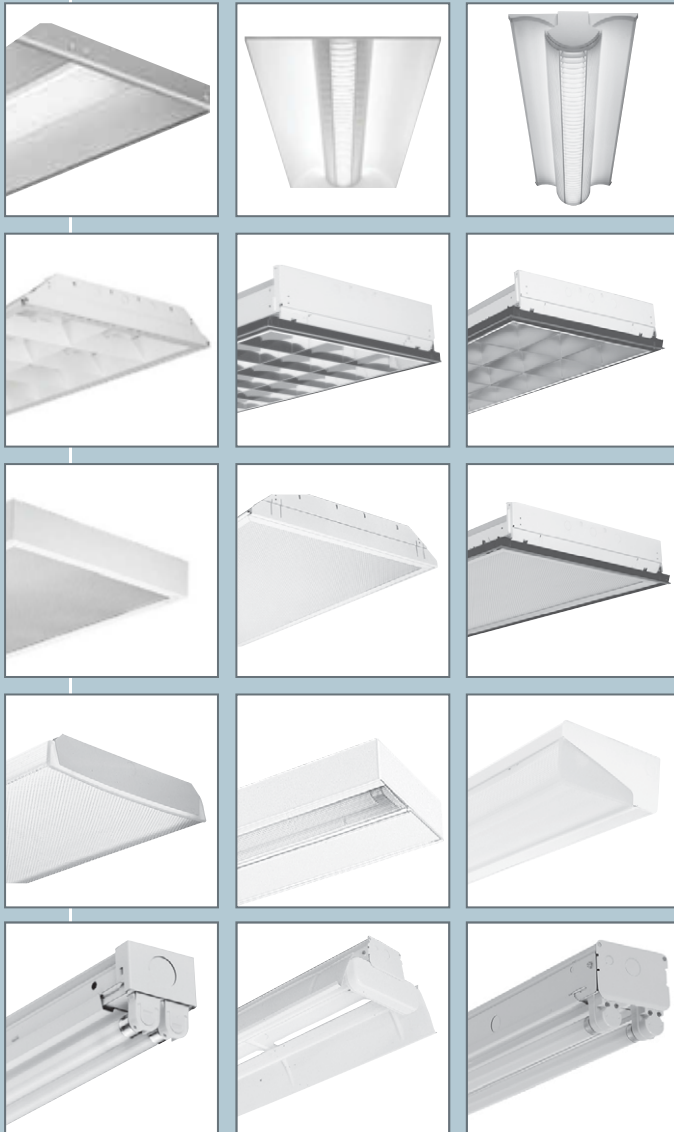
The ADA symbol designates Acuity Brands products that meet Americans with Disabilities Act requirements, which state that "objects projecting from walls with their leading edges between 27" and 80" above the finished floor shall protrude no more than 4" into walks, halls, corridors, passageways or aisles."

To access tools to help calculate energy savings, review EPA's 2005 requirements, learn more about LEED with Lighting and download lighting software, please visit www.acuitybrands.com



LITHONIA COMMERCIAL & INDUSTRIAL FLUORESCENT

Lithonia Lighting manufactures the broadest and most innovative selection of fluorescent products in the industry for commercial, institutional and industrial applications. Lithonia fluorescent fixtures incorporate the latest in energy-saving technology and design. This provides the assurance of high-quality, superior-performance products that meet your budget requirements. Every fixture is backed by our industry-leading service, technical expertise and support.



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FLUORESCENT SOLUTIONS

LITHONIA LIGHTING CONTINUES TO BRING NEW INNOVATIVE FLUORESCENT PRODUCTS TO THE MARKET, offering high-performance lighting solutions that save energy, lower maintenance costs and improve lighting quality.

RELIGHT



Relight Products: Realize Your Building's Potential

The lighting in your building was designed for yesterday's tasks, without today's sensitivity for the environment or controlling energy costs. Today's new buildings deliver high-quality lighting environments using modern energy-efficient fixtures. With our Relight products you can improve lighting quality, rejuvenate appearance and create a more productive environment while reducing energy costs.

- **Reduce:** Upgrade internal fixture components with relight assembly containing fewer, longer-life lamps and reduce your energy use by as much as 67%.
- **Reuse:** Leave the fixture housing and wiring in place to reuse with the new kit. Keep the space clean by not removing the ceiling tiles.
- **Recycle:** Recycle aluminum louver, channel cover, lamps and ballasts in an environmentally friendly way.
- **Revitalize:** Improve the look of your space and your ceiling without enduring the hassles of full-fixture replacement.

See our Relight products on pages 21 and 33 or visit www.lithonia.com/relight.

CLASS PACK



Class Pack System: Delivers High-Performance Lighting for Classrooms

Today's learning environment is more demanding than ever before – and lighting systems are required to deliver a higher-performing visual environment while still complying with budgets and stringent energy codes. Schools need to be role models for the next generation, demonstrating environmentally conscious use of construction materials and natural resources, while minimizing the waste stream and pollution.

Class Pack outperforms recessed lighting by:

- **Delivering** the illumination criteria specified by IESNA RP-3-00 and recommendations from the CHPS
- **Reducing** power density 45% below ASHRAE 90.1 2007 to 0.74 w/ft² or lower
- **Installing** more efficiently to help reduce first costs
- **Minimizing** maintenance with 44% fewer lamps required over time
- **Providing** an easy-to-operate three-function system using two traditional wall switches, in contrast to outdated one or two-level systems.

For more information about Class Pack, please visit www.acuitybrandslighting/schools.

Class Pack is delivered to your jobsite with all the materials needed to fit out one complete classroom.



RT Series

Enhance Your Environment

RT luminaires provide volumetric lighting, filling the entire volume of space with just the right amount of light throughout a room. This makes the RT Series an ideal solution for offices, schools, hospitals, retail and other workspaces. RT luminaires produce a softer, more comfortable light, truly enhancing the environment.

- Creates visual harmony by providing an even distribution of soft light, making workspaces more attractive by eliminating the glare and dark spots associated with parabolics.
- Improves overall aesthetics by creating an unprecedented combination of volumetric lighting and a quiet ceiling.
- Reduces energy consumption by providing up to 33% savings in energy over a standard 18-cell, three-lamp T8 parabolic.



Z Strip

A New Standard in Strip Lighting

The Z strip represents the industry's next generation in linear direct fluorescent products, accommodating a wide variety of T5, T5HO and T8 lamp lengths. This compact, low-profile design offers our customers unique product features which improve the overall installation process and appearance while reducing labor cost. The Z strip is the most versatile solution for commercial, retail, manufacturing, warehouse, and cove and display applications.

See pages 67-68 for more product and accessory information or visit www.lithonia.com/zstrip.



es8™

A Breakthrough in T8 Fluorescent Systems

es8™ lighting fuses high-performance T8 technology with an extremely efficient and comfortable distribution of light. Unlike common parabolic fixtures employing three standard-life, standard-output T8 lamps, es8 systems use just two long-life, high-efficiency, superior color rendering lamps.

- Achieves energy costs savings of 37 watts compared to the industry-standard three-lamp parabolic, and up to 96 watts when relighting existing buildings with T12 lighting.
- Meets Illuminating Engineering Society recommended light levels at .60 w/ft2.
- Features NEMA premium, CEE qualified ballasts eligible for most utility rebates; eligible for maximum EPAct tax deductions of \$.60 ft2

See pages 30-32 for more product information or visit www.lithonia.com/es8.

The Next Chapter of Light

High-performance LED systems plus advanced RT optics equals high-quality ambient illumination.

The RTLED series features high-performance LED which delivers equal light output to fluorescent lighting. It is available in a number of configurations allowing this new system to be used with today's typical spacing and common layouts.

- The highest quality solid-state components combined with advanced optical design and thermal management provides maximum system efficiency and a rated lamp life of 50,000 hours.
- Enhanced color appearance of the space with 80+ CRI and your choice of 3500K or 4100K color temperatures.
- No mercury and product is lead free.
- More than 50% steel content is recycled.

With 60+ years of market leadership in indoor commercial and architectural lighting, Lithonia Lighting is committed to bring you the best value and innovative performance product in LED lighting.



PRODUCT INFORMATION

2RT5

2'x2', 2'x4'



Also available with high performance LEDs. Contact your local Lithonia sales representative for additional information.

Intended Use

The 2RT5 Series is designed for applications where comfort, aesthetics and energy savings are important. Provides volumetric lighting for applications such as offices, schools, hospitals, retail and numerous other commercial applications.

Construction

Two-lamp configuration provides 33% energy savings when compared to a common three-lamp T8 system.

Low-profile 3-1/8" depth makes RT5 ideal for applications where plenum height is a factor.

Two-piece refractor system uses the combination of diffusing optical film and precisely extruded prisms to efficiently diffuse light.

Reflector includes micro-facets that echo the frequency of the prisms in the refractor, providing a quiet appearance in the ceiling.

Lamp accessed by squeezing refractor to release from retention tabs.

Optics

Delivers volumetric lighting by filling the entire volume of space with light, delivering the ideal amount to walls, cubicles, work surfaces and people. Luminous character-

istics are carefully managed at high angles to deliver just enough intensity to provide the volumetric effect.

Electrical

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

A wide variety of ballast configurations including set light output or step-level dimming. Step-dimming options allow the system to be switched to 50% power for compliance with common energy codes while illuminating both lamps. Highly efficient programmed start electronic ballast, Class P, thermally

protected, resetting, HPF, non-PCB, UL Listed and CSA certified, sound rated A.

Premier F28T5 lamp with enhanced phosphors and 85 CRI. Ballast/lamp efficacy of 28T5 is 100+ LPW. Side mount ballast tray accessed by removing adjacent ceiling tile.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

Protected by one or more of US Patents Nos. 7,229,192; D541,467; D541,468; D544,633; D544,634; D544,992 and D544,933. Additional patent pending.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: 2RT5 28T5 MVOLT GEB95 LPM835P

Series	Lamp type ¹	Voltage	Ballast ¹	Lamp color ³	Options
2RT5 2' wide	14T5 14W T5 (22")	MVOLT	GEB90 Ballast factor .90, set light	LPM835P Lamped with premier 3500°K lamp ⁴	GLR Fast-blow fuse ⁵
	28T5 28W T5 (46")		GEB90S Ballast factor .90, step dimming	LPM830P Lamped with premier 3000°K lamp ⁴	PWS1836 6' prewire, 3/8" diameter, 18-gauge, 3-wire ⁷
	24T5HO 24W T5HO (22")		GEB95 Ballast factor .95, set light	LPM841P Lamped with premier 4100°K lamp ⁴	PWS1846 6' prewire, 3/8" diameter, 18-gauge, 4-wire ⁸
	54T5HO 54W T5HO (46")		GEB95S Ballast factor .95, step dimming	L835XP Lamped with premier XP 3500°K lamp ⁴	EL14 Emergency battery pack
			GEB115 Ballast factor 1.15, set light	L830XP Lamped with premier XP 3000°K lamp ⁴	HW Hardwire for SIMPLY™ system; replaces RELOC ⁹
		GEB115S Ballast factor 1.15, step dimming	L841XP Lamped with premier XP 4100°K lamp ⁴	CSA Meets Canadian standards	
		GEB10PS Ballast factor 1.0, set light	LP835 Lamped with 3500°K lamp ⁵	NOM Meets Mexican standards	
		S5 SIMPLY™ (.95 BF) ²	LP830 Lamped with 3000°K lamp ⁵		
			LP841 Lamped with 4100°K lamp ⁵		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS

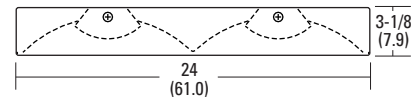
SERIES	NOMINAL SIZE	NUMBER OF LAMPS	LAMP TYPE	BALLAST	DESCRIPTION
2RT5	2'x4'	2	28T5	GEB90	Premier XP, set light output, 0.90BF
2RT5	2'x4'	2	28T5	GEB90S	Premier XP, step dimming, 0.90BF
2RT5	2'x4'	2	28T5	GEB95	Standard, set light output, 0.95BF
2RT5	2'x4'	2	28T5	GEB95S	Standard, step dimming, 0.95BF
2RT5	2'x4'	2	28T5	GEB115	High light, set light output, 1.15BF
2RT5	2'x4'	2	28T5	GEB115S	High light, step dimming, 1.15BF
2RT5	2'x4'	2	54T5HO	GEB10PS	High output, set light output, 1.0BF
2RT5	2'x2'	2	14T5	GEB115	High light, set light output, 1.15BF
2RT5	2'x2'	2	14T5	GEB115S	High light, step dimming, 1.15BF
2RT5	2'x2'	2	24T5HO	GEB10PS	High output, set light output, 1.0BF

ACCESSORIES

ORDER SEPARATELY

DGA Drywall ceiling adapter, unit installation. Use G trim plus DGA for support in plaster ceilings. (Add 24 for 2'x4', 22 for 2'x2'.)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See Configurations table for lamp and ballast compatibility.
- 0.95 ballast factor SIMPLY™ system includes 13' SSC RELOC wiring system.
- Required. All fixtures shipped with lamps installed.
- 28T5 lamp type only.
- 14T5, 24T5HO and 54T5HO lamp types only.
- Specify voltage.
- For use with standard, non step-dimming ballast.
- For use with step-dimming ballast.
- Available only with CSA option.

RT5

1'x4'



Also available with high performance LEDs. Contact your local Lithonia sales representative for additional information.

Intended Use

The RT5 Series is designed for applications where comfort, aesthetics and energy savings are important. Provides volumetric lighting for applications such as offices, schools, hospitals, retail and numerous other commercial applications.

Construction

One or two-lamp configuration.

Low-profile 3-1/8" depth makes RT5 ideal for applications where plenum height is a factor.

Two-piece refractor system uses the combination of diffusing optical film and precisely extruded prisms to efficiently diffuse light.

Reflector includes micro-facets that echo the frequency of the prisms in the refractor, providing a quiet appearance in the ceiling.

Lamp accessed by squeezing refractor to release from retention tabs.

Optics

Delivers volumetric lighting by filling the entire volume of space with light, delivering the ideal amount to walls, cubicles, work surfaces and people. Luminous characteristics are carefully managed at high angles to deliver just enough intensity to provide the volumetric effect.

Electrical

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Two-lamp models are available with set light output or step-level dimming. Step-dimming options allow the system to be switched to 50% power for compliance with common energy codes while illuminating both lamps. One-lamp models are available with set light output.

Highly efficient programmed start electronic ballast, Class P, thermally protected, resetting, HPF, non-PCB, UL Listed and CSA certified, sound rated A.

Premier F28T5 lamp with enhanced phosphors and 85 CRI. Ballast/lamp efficacy of 28T5 is 100+ LPW. Side-mount ballast tray accessed by removing adjacent ceiling tile.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

Protected by one or more of US Patents Nos. 7,229,192; D541,467; D541,468; D544,633; D544,634; D544,992 and D544,933. Additional patent pending.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: RT5 2 28T5 MVOLT GEB95 LPM835P

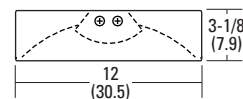
Series	Number of lamps ¹	Lamp type ¹	Voltage	Ballast ¹	Lamp color ³	Options
RT5 1'x4'	1	28T5 28W T5 (46")	MVOLT 347 ⁹	GEB90 Ballast factor .90, set light	LPM835P Lamped with premier 3500°K lamp ⁴	GLR Fast-blow fuse ⁶
		54T5HO 54W T5HO (46")		LPM830P Lamped with premier 3000°K lamp ⁴	PWS1836 6' prewire, 3/8" diameter, 18-gauge, 3-wire ⁷	
	2	28T5	GEB90S Ballast factor .90, step dimming	LPM841P Lamped with premier 4100°K lamp ⁴	PWS1846 6' prewire, 3/8" diameter, 18-gauge, 4-wire ⁸	
			GEB95 Ballast factor .95, set light	L835XP Lamped with premier XP 3500°K lamp ⁴	EL14 Emergency battery pack	
		GEB95S Ballast factor .95, step dimming	L830XP Lamped with premier XP 3000°K lamp ⁴	HW Hardware for SIMPLY5™ system; replaces RELOC [®]		
		GEB115 Ballast factor 1.15, set light	L841XP Lamped with premier XP 4100°K lamp ⁴	CSA Meets Canadian standards		
		GEB95S Ballast factor .95, step dimming	LP835 Lamped with 3500°K lamp ⁵	NOM Meets Mexican standards		
		GEB115S Ballast factor 1.15, set light	LP830 Lamped with 3000°K lamp ⁵			
		GEB115S Ballast factor 1.15, step dimming	LP841 Lamped with 4100°K lamp ⁵			
		GEB10PS Ballast factor 1.0, set light				
S5 SIMPLY5™ (.95 BF) ²						

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS					
SERIES	NOMINAL SIZE	NUMBER OF LAMPS	LAMP TYPE	BALLAST	DESCRIPTION
RT5	1'x4'	1	28T5	GEB10PS	Standard, set light output, 1.0BF
RT5	1'x4'	2	28T5	GEB90	Premier XP, set light output, 0.90BF
RT5	1'x4'	2	28T5	GEB90S	Premier XP, step dimming, 0.90BF
RT5	1'x4'	2	28T5	GEB95	Standard, set light output, 0.95BF
RT5	1'x4'	2	28T5	GEB95S	Standard, step dimming, 0.95BF
RT5	1'x4'	2	28T5	GEB115	High light, set light output, 1.15BF
RT5	1'x4'	2	28T5	GEB115S	High light, step dimming, 1.15BF
RT5	1'x4'	1	54T5HO	GEB10PS	High output, set light output, 1.0BF

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See Configurations table for lamp and ballast compatibility.
- 0.95 ballast factor SIMPLY5™ system includes 13' SSC RELOC[®] wiring system.
- Required. All fixtures shipped with lamps installed.
- 28T5 lamp type only.
- 54T5HO lamp types only.
- Specify voltage.
- For use with standard, non step-dimming ballast.
- For use with step-dimming ballast.
- Available only with CSA option.

ACCESSORIES	
ORDER SEPARATELY	
DGA	Drywall ceiling adapter, unit installation. Use G trim plus DGA for support in plaster ceilings. (Add 14 for 1'x4'.)

PRODUCT INFORMATION

2RT5 CAS

Air Return
2'x2', 2'x4'



Intended Use

The 2RT5 with center air slots (CAS) is designed for effective air removal from a space. The series is designed for applications where comfort, aesthetics and energy savings are important. Provides volumetric lighting for applications such as offices, schools, hospitals, retail and numerous other commercial applications.

Construction

Center of reflector is slotted on both sides with 1/8"x1" slots, 7/16" on center, to allow for air removal.

Two-lamp configuration provides 33% energy savings when compared to a common three-lamp T8 system.

Low-profile 3-1/8" depth makes RT5 ideal for applications where plenum height is a factor.

Two-piece refractor system uses the combination of diffusing optical film and precisely extruded prisms to efficiently diffuse light.

Reflector includes micro-facets that echo the frequency of the prisms in the refractor, providing a quiet appearance in the ceiling.

Lamp accessed by squeezing refractor to release from retention tabs.

Optics

Delivers volumetric lighting by filling the entire volume of space with light, delivering the ideal amount to walls, cubicles, work surfaces and people. Luminous characteristics are carefully managed at high angles to deliver just enough intensity to provide the volumetric effect.

Electrical

Highly efficient programmed start electronic ballasts, Class P, thermally protected, resetting, HPF, non-PCB, UL Listed, CSA Certified, sound rated A. Premium T5 lamp with enhanced phosphors and 85 CRI. Ballast/lamp efficacy up to 100+ LPW. Lamp is TCLP compliant.

F14T5 uses GEB115, producing 1.22 ballast factor standard for typical applications. F24T5HO is available for higher ceiling applications.

Step-dimming option allows system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

S5 option available for use with SIMPLY5™ lighting intel-

ligence system with multi-level dimming. See SYNERGY® Control Systems specification sheets for more information.

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

Protected by one or more of US Patents Nos. 7,229,192; D541,467; D541,468; D544,633; D544,634; D544,992 and D544,933. Additional patent pending.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: 2RT5 CAS 28T5 MVOLT GEB95 LPM835P

Series	Air function	Lamp type ¹	Voltage	Ballast ¹	Lamp color ³	Options
2RT5	2' wide CAS Air removal	14T5 14W T5 (22")	MVOLT 347 ⁹	GEB90 Ballast factor .90, set light	LPM835P Lamped with premier 3500°K lamp ⁴	GLR Fast-blow fuse ⁶
		28T5 28W T5 (46")		GEB90S Ballast factor .90, step dimming	LPM830P Lamped with premier 3000°K lamp ⁴	PWS1836 6' prewire, 3/8" diameter, 18-gauge, 3-wire ⁷
		24T5HO 24W T5HO (22")		GEB95 Ballast factor .95, set light	LPM841P Lamped with premier 4100°K lamp ⁴	PWS1846 6' prewire, 3/8" diameter, 18-gauge, 4-wire ⁸
		54T5HO 54W T5HO (46")		GEB95S Ballast factor .95, step dimming	L835XP Lamped with premier XP 3500°K lamp ⁴	EL14 Emergency battery pack
				GEB115 Ballast factor 1.15, set light	L830XP Lamped with premier XP 3000°K lamp ⁴	HW Hardwire for SIMPLY5™ system; replaces RELOC® wiring
				GEB115S Ballast factor 1.15, step dimming	L841XP Lamped with premier XP 4100°K lamp ⁴	CSA Meets Canadian standards
				GEB10PS Ballast factor 1.0, set light	LP835 Lamped with 3500°K lamp ⁵	NOM Meets Mexican standards
				S5 SIMPLY5™ (.95 BF) ²	LP830 Lamped with 3000°K lamp ⁵	
					LP841 Lamped with 4100°K lamp ⁵	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS

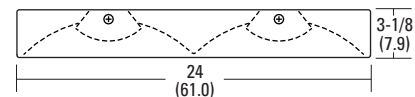
SERIES	NOMINAL SIZE	NUMBER OF LAMPS	LAMP TYPE	BALLAST	DESCRIPTION
2RT5	2'x4'	2	28T5	GEB90	Premier XP, set light output, .090BF
2RT5	2'x4'	2	28T5	GEB90S	Premier XP, step dimming, 0.90BF
2RT5	2'x4'	2	28T5	GEB95	Standard, set light output, 0.95BF
2RT5	2'x4'	2	28T5	GEB95S	Standard, step dimming, .95BF
2RT5	2'x4'	2	28T5	GEB115	High light, set light output, 1.15BF
2RT5	2'x4'	2	28T5	GEB115S	High light, step dimming, 1.15BF
2RT5	2'x4'	2	54T5HO	GEB10PS	High output, set light output, 1.0BF
2RT5	2'x2'	2	14T5	GEB115	High light, set light output, 1.15BF
2RT5	2'x2'	2	14T5	GEB115S	High light, step dimming, 1.15BF
2RT5	2'x2'	2	24T5HO	GEB10PS	High output, set light output, 1.0BF

ACCESSORIES

ORDER SEPARATELY

DGA Drywall ceiling adapter, unit installation. Use G trim plus DGA for support in plaster ceilings. (Add 24 for 2'x4', 22 for 2'x2'.)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See Configurations table for lamp and ballast compatibility.
- 0.95 ballast factor SIMPLY5™ system includes 13' SSC RELOC® wiring system.
- Required. All fixtures shipped with lamps installed.
- 28T5 lamp type only.
- 14T5, 24T5HO and 54T5HO lamp types only.
- Specify voltage.
- For use with standard, non step-dimming ballast.
- For use with step-dimming ballast.
- Available only with CSA option.

PRODUCT INFORMATION

RT5N

6" Aperture



Intended Use

The 6" aperture RT5N is the ideal solution for applications requiring a narrow-profile fixture with a distinctive appearance. Provides volumetric lighting for applications such as offices, schools, retail and numerous other commercial applications.

Construction

One or two-lamp configuration.

Low-profile 2-7/8" depth makes RT5N ideal for applications where plenum height is a factor.

Two-piece refractor system uses the combination of diffusing optical film and precisely extruded prisms to efficiently diffuse light.

Drop-refractor design provides small amount of uplight

to wash ceiling, minimizing fixture-to-ceiling luminance ratio. Luminous reveal and end caps provide floating appearance for the refractor.

Lamp accessed by squeezing refractor to release from retention tabs.

Suspended mount available. Consult factory.

Optics

Delivers volumetric lighting by filling the entire volume of space with light, delivering the ideal amount to walls, cubicles, work surfaces and people. Luminous characteristics are carefully managed at high angles to deliver just enough intensity to provide the volumetric effect.

Electrical

A wide variety of ballast configurations including set light output or step-level dimming.

Two-lamp configuration available with step-dimming options, allowing the system to be switched to 50% power for compliance with common energy codes while illuminating both lamps.

Highly efficient programmed start electronic ballast, Class P, thermally protected, resetting, HPF, non-PCB, UL Listed and CSA Certified, sound rated A.

Premier F28T5 lamp with enhanced phosphors and 85 CRI. Ballast/lamp efficacy of 28T5 is 100+ LPW.

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

Protected by one or more of US Patents Nos. 7,229,192; D541,467; D541,468; D544,633; D544,634; D544,992 and D544,933. Additional patent pending.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: RT5N 1 28T5 MVOLT GEB10PS LPM835P

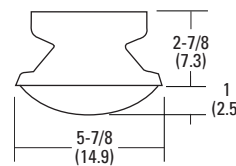
Series	Number of lamps ¹	Lamp type ¹	Voltage	Ballast ¹	Lamp color ⁴	Options
RT5N 4' long	1	28T5 28W T5 (46")	MVOLT	GEB95 Ballast factor .95, set light	LPM835P Lamped with premier 3500°K lamp ⁵	GLR Fast-blow fuse ⁷
TRT5N 8' long	2	54T5HO 54W T5HO (46")	347 ²	GEB95S Ballast factor .95, step dimming	LPM830P Lamped with premier 3000°K lamp ⁵	EL14 Emergency battery pack
				GEB115 Ballast factor 1.15, set light	LPM841P Lamped with premier 4100°K lamp ⁵	HW Hardwire for SIMPLY TM system; replaces RELOC [®] wiring
				GEB115S Ballast factor 1.15, step dimming	LP835 Lamped with 3500°K lamp ⁶	CSA Meets Canadian standards
				GEB10PS Ballast factor 1.0, set light	LP830 Lamped with 3000°K lamp ⁶	NOM Meets Mexican standards
				S5 SIMPLY TM (.95 BF) ³	LP841 Lamped with 4100°K lamp ⁶	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS					
SERIES	LENGTH	LAMPS PER CROSS SECTION	LAMP TYPE	BALLAST	DESCRIPTION
RT5N	4'	1	28T5	GEB10PS	Standard, set light output, 1.0BF
RT5N	4'	1	54T5HO	GEB10PS	Standard, set light output, 1.0BF
RT5N	4'	2	28T5	GEB95	Standard, set light output, .95BF
RT5N	4'	2	28T5	GEB95S	Standard, step dimming, .95BF
RT5N	4'	2	28T5	GEB115	High light, set light output, 1.15BF
RT5N	4'	2	28T5	GEB115S	High light, step dimming, 1.15BF
RT5N	4'	2	54T5HO	GEB10PS	Standard, set light output, 1.0BF
TRT5N	8'	1	28T5	GEB115	High light, set light output, 1.15BF
TRT5N	8'	1	28T5	GEB115S	High light, step dimming, 1.15BF
TRT5N	8'	1	28T5	GEB95	Standard, set light output, .95BF
TRT5N	8'	1	28T5	GEB95S	Standard, step dimming, .95BF
TRT5N	8'	1	54T5HO	GEB10PS	Standard, set light output, 1.0BF
TRT5N	8'	2	28T5	GEB95	Standard, set light output, .95BF
TRT5N	8'	2	28T5	GEB95S	Standard, step dimming, .95BF
TRT5N	8'	2	28T5	GEB115	High light, set light output, 1.15BF
TRT5N	8'	2	28T5	GEB115S	High light, step dimming, 1.15BF
TRT5N	8'	1	54T5HO	GEB10PS	Standard, set light output, 1.0BF

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See Configurations table for lamp and ballast compatibility.
- Available only with CSA option.
- 0.95BF SIMPLYTM system includes 13' SSC RELOC[®] wiring system.
- Required. All fixtures shipped with lamps installed.
- 28T5 lamp type only.
- 54T5HO lamp type only.
- Specify voltage.

PRODUCT INFORMATION

RT5X

2'x2', 2'x4', 1'x4'



Intended Use

The RT5X series is designed for surface-mount applications where comfort, aesthetics and energy savings are important. Provides volumetric lighting for applications such as offices, schools, hospitals, retail and numerous other commercial applications. Available in 2'x4', 2'x2' and 1'x4' configurations.

Construction

Two-lamp configuration provides 33% energy savings when compared to a common three-lamp T8 system.

Low-profile 3-5/8" depth.

Two-piece refractor system uses the combination of

diffusing optical film and precisely extruded prisms to efficiently diffuse light.

Reflector includes micro-facets that echo the frequency of the prisms in the refractor, providing a quiet appearance in the ceiling.

Lamp accessed by squeezing refractor to release from retention tabs.

Optics

Delivers volumetric lighting by filling the entire volume of space with light, delivering the ideal amount to walls, cubicles, work surfaces and people. Luminous characteristics are carefully managed at high angles to deliver just

enough intensity to provide the volumetric effect.

Electrical

A wide variety of ballast configurations including set light output or step-level dimming. Step-dimming options allow the system to be switched to 50% power for compliance with common energy codes while illuminating both lamps.

Highly efficient programmed start electronic ballast, Class P, thermally protected, resetting, HPF, non-PCB, UL Listed and CSA Certified, sound rated A.

Premier F28T5 lamp with enhanced phosphors and 85

CRI. Ballast/lamp efficacy of 28T5 is 100+ LPW.

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

Protected by one or more of US Patents Nos. 7,229,192; D541,467; D541,468; D544,633; D544,634; D544,992 and D544,933. Additional patent pending.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: 2RT5X 2 28T5 MVOLT GEB95 LPM835P

Series	Number of lamps ¹	Lamp type ¹	Voltage	Ballast ¹	Lamp color ²	Options
2RT5X 2' wide	1 ⁷	14T5 14W T5 (22")	MVOLT	GEB90 Ballast factor .90, set light	LPM835P Lamped with premier 3500°K lamp ³	GLR Fast-blow fuse ⁵
RT5X 1' wide	2	24T5HO 24W T5HO (22")	347 ⁶	GEB90S Ballast factor .90, step dimming	LPM830P Lamped with premier 3000°K lamp ³	EL14 Emergency battery pack
		28T5 28W T5 (46")		GEB95 Ballast factor .95, set light	LPM841P Lamped with premier 4100°K lamp ³	CSA Meets Canadian standards
		54T5HO 54W T5HO (46")		GEB95S Ballast factor .95, step dimming	L835XP Lamped with premier XP 3500°K lamp ³	NOM Meets Mexican standards
				GEB115 Ballast factor 1.15, set light	L830XP Lamped with premier XP 3000°K lamp ³	
				GEB115S Ballast factor 1.15, step dimming	L841XP Lamped with premier XP 4100°K lamp ³	
				GEB10PS Ballast factor 1.0, set light	LP835 Lamped with 3500°K lamp ⁴	
					LP830 Lamped with 3000°K lamp ⁴	
					LP841 Lamped with 4100°K lamp ⁴	

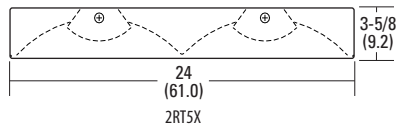
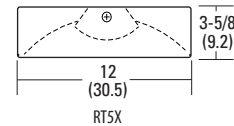
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS

SERIES	NOMINAL SIZE	NUMBER OF LAMPS	LAMP TYPE	BALLAST	DESCRIPTION
2RT5X	2'x4'	2	28T5	GEB90	Premier XP, set light output, 0.90BF
2RT5X	2'x4'	2	28T5	GEB90S	Premier XP, set dimming, 0.90BF
2RT5X	2'x4'	2	28T5	GEB95	Standard, set light output, 0.95BF
2RT5X	2'x4'	2	28T5	GEB95S	Standard, step dimming, 0.95BF
2RT5X	2'x4'	2	28T5	GEB115	High light, set light output, 1.15BF
2RT5X	2'x4'	2	28T5	GEB115S	High light, step dimming, 1.15BF
2RT5X	2'x4'	2	54T5HO	GEB10PS	High output, set light output, 1.0BF
2RT5X	2'x2'	2	14T5	GEB115	High light, set light output, 1.15BF
2RT5X	2'x2'	2	14T5	GEB115S	High light, step dimming, 1.15BF
2RT5X	2'x2'	2	24T5HO	GEB10PS	High output, set light output, 1.0BF
RT5X	1'x4'	1	28T5	GEB10PS	Standard, set light output, 1.0BF
RT5X	1'x4'	1	54T5HO	GEB10PS	Standard, set light output, 1.0BF
RT5X	1'x4'	2	28T5	GEB90	Premier XP, set light output, 0.90BF
RT5X	1'x4'	2	28T5	GEB90S	Premier XP, set dimming, 0.90BF
RT5X	1'x4'	2	28T5	GEB95	Standard, set light output, 0.95BF
RT5X	1'x4'	2	28T5	GEB95S	Standard, step dimming, 0.95BF
RT5X	1'x4'	2	28T5	GEB115	High light, set light output, 1.15BF
RT5X	1'x4'	2	28T5	GEB115S	High light, step dimming, 1.15BF
RT5X	1'x4'	2	54T5HO	GEB10PS	Standard, set light output, 1.0BF

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See Configurations table for lamp and ballast compatibility.
- Required. All fixtures shipped with lamps installed.
- 28T5 lamp type only.
- 14T5, 24T5HO, 54T5HO lamp type only.
- Specify voltage.
- Available only with CSA option.
- 1' x 4' only.

Intended Use

The 2RT5B Series is designed for applications where comfort, aesthetics and energy savings are important. Provides volumetric lighting for applications such as offices, schools, hospitals, retail and numerous other commercial applications.

Construction

Two-lamp configuration provides 33% energy savings when compared to a common three-lamp T8 system.

Impact-modified acrylic prismatic refractor. One-piece, vacuum-formed PETE

(poly-ethylene) trim with embossed facets.

Low-profile 3-3/16" depth makes 2RT5B ideal for applications where plenum height is a factor. Reflector includes a micro-facets that echo the frequency of the prisms in the refractor, providing a quiet appearance in the ceiling. Lamp accessed by unlatching trim and allowing it to hinge open for easy maintenance. Ballast is accessed from below by removing channel cover.

Optics

Delivers volumetric lighting by filling the entire volume of space with light, delivering the ideal amount to walls,

cubicles, work surfaces and people. Luminous characteristics are carefully managed at high angles to deliver just enough intensity to provide the volumetric effect.

Electrical

A wide variety of ballast configurations including set light output or step-level dimming. Step-dimming options allow the system to be switched to 50% power for compliance with common energy codes while illuminating both lamps. Highly efficient programmed start electronic ballast, Class P, thermally protected, resetting, HPF, non-PCB, UL Listed and CSA Certified, sound rated A.

Premier F28T5 lamp with enhanced phosphors and 85 CRI. Ballast/lamp efficacy of 28T5 is 100+ LPW.

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

Protected by one or more of US Patents Nos. 7,229,192; D541,467; D541,468; D544,633 and D544,634; D544,992; D544,933. Additional patent pending.

2RT5B

2'x2', 2'x4', 1'x4'



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: 2RT5B 2 28T5 MVOLT GEB95 LPM835P

Series	Trim	Grid	Flange	Number of lamps	Lamp type ²	Voltage	Ballast ²		
2RT5B	2' wide	(blank)	Grid	1 ¹	14T5 14W T5 (22")	MVOLT	GEB90	Ballast factor .90, set light	GEB115 Ballast factor 1.15, set light
RT5B	1' wide	F	Flange	2	24T5HO 24W T5HO (22")	347 ⁷	GEB90S	Ballast factor .90, step dimming	GEB115S Ballast factor 1.15, step dimming
					28T5 28W T5 (46")		GEB95	Ballast factor .95, set light	GEB10PS Ballast factor 1.0, set light
					54T5HO 54W T5HO (46")		GEB95S	Ballast factor .95, step dimming	SS SIMPLY TM (.95 BF) ³

Lamp color ⁸	Options
LPM835P Lamped with premier 3500°K lamp ⁴	GLR Fast-blow fuse ⁶
LPM830P Lamped with premier 3000°K lamp ⁴	EL14 Emergency battery pack
LPM841P Lamped with premier 4100°K lamp ⁴	HW Hardwire for SIMPLY TM system; replaces RELOC [®] wiring
L835XP Lamped with premier XP 3500°K lamp ⁴	CSA Meets Canadian standards
L830XP Lamped with premier XP 3000°K lamp ⁴	NOM Meets Mexican standards

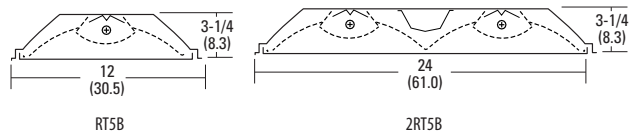
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS					
SERIES	NOMINAL SIZE	NUMBER OF LAMPS	LAMP TYPE	BALLAST	DESCRIPTION
2RT5B	2'x4'	2	28T5	GEB90	Premier XP, set light output, 0.90BF
2RT5B	2'x4'	2	28T5	GEB90S	Premier XP, step dimming, 0.90BF
2RT5B	2'x4'	2	28T5	GEB95	Standard, set light output, 0.95BF
2RT5B	2'x4'	2	28T5	GEB95S	Standard, step dimming, 0.95 BF
2RT5B	2'x4'	2	28T5	GEB115	High light, set light output, 1.15BF
2RT5B	2'x4'	2	28T5	GEB115S	High light, step dimming, 1.15BF
2RT5B	2'x4'	2	54T5HO	GEB10PS	Standard, set light output, 1.0BF
2RT5B	2'x2'	2	14T5	GEB115	Standard, set light output, 1.15BF
2RT5B	2'x2'	2	14T5	GEB115S	Standard, step dimming, 1.15BF
2RT5B	2'x2'	2	24T5HO	GEB10PS	Standard, set light output, 1.0BF
RT5B	1'x4'	1	28T5	GEB10PS	Standard, set light output, 1.0BF
RT5B	1'x4'	1	54T5HO	GEB10PS	Standard, set light output, 1.0BF
RT5B	1'x4'	2	28T5	GEB90	Standard, set light output, 0.95BF
RT5B	1'x4'	2	28T5	GEB90S	Premier XP, step dimming, 0.90BF
RT5B	1'x4'	2	28T5	GEB95	Standard, set light output, 0.95BF
RT5B	1'x4'	2	28T5	GEB95S	Standard, step dimming, 0.95 BF
RT5B	1'x4'	2	28T5	GEB115	High light, set light output, 1.15BF
RT5B	1'x4'	2	28T5	GEB115S	High light, step dimming, 1.15BF

ACCESSORIES	
ORDER SEPARATELY	
DGA _	Drywall ceiling adapter, unit installation. Use G trim plus DGA for support in plaster ceilings. (Add 24 for 2'x4' and 22 for 2'x2' and 14 for 1'x4'.)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 RT5 1x4 only.
- 2 See Configurations table for lamp and ballast compatibility.
- 3 0.95 ballast factor SIMPLYTM system includes 13' SSC Reloc[®] wiring system.
- 4 28T5 lamp type only.
- 5 14T5, 24T5HO and 54T5HO lamp types only.
- 6 Specify voltage.
- 7 Available only with CSA option.
- 8 Required. All fixtures shipped with lamps installed.

PRODUCT INFORMATION

2RT8B

2'x2', 2'x4', 1'x4'



Intended Use

The 2RT8B Series is designed for applications where comfort, aesthetics and energy savings are important. Provides volumetric lighting for applications such as offices, schools, hospitals, retail and numerous other commercial applications.

Construction

Impact-modified acrylic prismatic refractor.

One-piece, vacuum-formed PETE (polyethylene) trim with embossed facets.

Low-profile 3-3/16" depth makes 2RT8B ideal for applications where plenum height is a factor. Reflector includes

micro-facets that echo the frequency of the prisms in the refractor, providing a quiet appearance in the ceiling.

98% reflective ALANOD MIRO-SILVER® optical assembly efficiently redirects lamp output into the refractor.

Lamp accessed by unlatching trim and allowing it to hinge open for easy maintenance. Ballast is accessed from below by removing channel cover.

Optics

Delivers volumetric lighting by filling the entire volume of space with light, delivering the ideal amount to walls, cubicles, work surfaces and people. Luminous character-

istics are carefully managed at high angles to deliver just enough intensity to provide the volumetric effect.

Electrical

A wide variety of ballast configurations including CEE (Consortium of Energy Efficiency) are available. Other ballast types include set light output or step-level dimming. Step-dimming options allow the system to be switched to 50% power for compliance with common energy codes while illuminating both lamps.

Highly efficient electronic ballast, Class P, thermally protected, resetting, HPF,

non-PCB, UL Listed and CSA Certified, sound rated A.

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed, CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

Protected by one or more of US Patents Nos. 7,229,192; D541,467; D541,468; D544,633; D544,634; D544,992 and D544,933. Additional patent pending.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: 2RT8B 2 32 MVOLT BINP LP835HT8

Series	Trim	Number of lamps ¹	Lamp type ¹	Voltage	Ballast ¹	Lamp color ⁸	Options
2RT8B	2' wide	(blank)	Grid	1	17 17W T8 (24")	MVOLT	GEB10IS T8 electronic ballast, ≤10% THD, instant start
RT8B	1' wide	F	Flange	2	32 32W T8 (48")	347 ⁵	GEB10RS T8 electronic ballast, ≤10% THD, programmed rapid start
					BILP		T8 high-performance ballast, low ballast factor (.78), instant start ²
					BINP		T8 high-performance ballast, normal ballast factor (.88), instant start ²
					BIHP		T8 high-performance ballast, high ballast factor (1.2), instant start ^{2,3}
					BSNP		T8 high-performance, normal ballast factor (.88), step-dim programmed start, 2 lamp only ^{2,3,7}
						LP835	Lamped with 3500°K lamp
						LP830	Lamped with 3000°K lamp
						LP841	Lamped with 4100°K lamp
						L835HT8	Lamped with long-life 3500°K lamp
						L830HT8	Lamped with long-life 3000°K lamp
						L841HT8	Lamped with long-life 4100°K lamp
							GLR Fast-blow fuse ⁴
							EL Emergency battery pack ⁶
							CSA Meets Canadian standards
							NOM Meets Mexican standards

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS

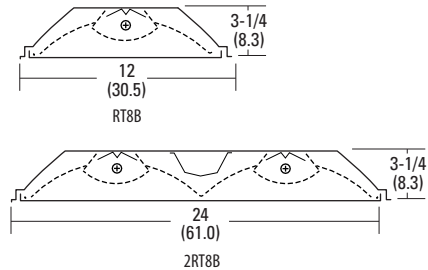
SERIES	NOMINAL SIZE	NUMBER OF LAMPS	LAMP TYPE	BALLAST	DESCRIPTION
2RT8B	2'x4'	2	32	BILP	High efficiency, instant start, 0.78BF
2RT8B	2'x4'	2	32	BINP	High efficiency, instant start, 0.88BF
2RT8B	2'x4'	2	32	BIHP	High efficiency, instant start, 1.2BF
2RT8B	2'x4'	2	32	BSNP	High efficiency, step dimming, 0.88BF
2RT8B	2'x4'	2	32	GEB10IS	Instant start, 0.88BF
2RT8B	2'x4'	2	32	GEB10RS	Programmed rapid start, 0.88BF
2RT8B	2'x2'	2	17	BILP	High efficiency, instant start, 0.81BF
2RT8B	2'x2'	2	17	BINP	High efficiency, instant start, 0.90BF
2RT8B	2'x2'	2	17	BIHP	High efficiency, instant start, 1.2BF
2RT8B	2'x2'	2	17	BSNP	High efficiency, step dimming, 0.88BF
2RT8B	2'x2'	2	17	GEB10IS	Instant start, 0.88BF
2RT8B	2'x2'	2	17	GEB10RS	Programmed rapid start, 0.88BF
RT8B	1'x4'	1	32	BILP	High efficiency, instant start, 0.78BF
RT8B	1'x4'	1	32	BINP	High efficiency, instant start, 0.88BF
RT8B	1'x4'	1	32	BIHP	High efficiency, instant start, 1.2BF
RT8B	1'x4'	1	32	GEB10IS	Instant start, 0.88BF
RT8B	1'x4'	1	32	GEB10RS	Programmed rapid start, 0.88BF

ACCESSORIES

ORDER SEPARATELY

DGA_ Drywall ceiling adapter, unit installation. Use G trim plus DGA for support in plaster ceilings. (Add 24 for 2'x4', 22 for 2'x2', 14 for 1'x4'.)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 See Configurations table for lamp and ballast compatibility.
- 2 CEE qualified HPT8, NEMA Premium® ballast to qualify for many utility rebates.
- 3 Not available for 347V.
- 4 Specify voltage.
- 5 Available only with CSA option.
- 6 Consult www.lithonia.com for available options.
- 7 Available with two-lamp model only.
- 8 Required. All fixtures shipped with lamp installed.

2RT5R

2'x2', 2'x4'



Also available for many lensed troffers. Visit www.lithonia.com/Relight for additional information.

Intended Use

The RT5™ relight assembly is the ideal solution for renovating obsolete parabolic systems, delivering quality of light and refreshing the space. RT5R volumetric lighting eliminates the parabolic cave effect by delivering the ideal amount of light to walls, cubicles, work surfaces and people.

RT5R is suitable for replacing any 2'x4' parabolic fixture with at least 4-3/8" overall depth. 2RT5R is not specifically designed for lensed troffers. The RT5 relight assembly is recommended for offices, schools, hospitals, commercial and

other general lighting applications.

Construction

The relight assembly consists of five component parts that easily install into the host fixture. Compatible with field-installed emergency battery packs.

Optics

Luminous characteristics are carefully managed at high angles, providing just enough intensity to deliver the volumetric effect.

Electrical

Step-dimming (100% to 50%) ballasts are available to provide bi-level switching for increased energy savings

using existing wiring and wall switches. SIMPLY5™ options and other dimming options are available for even greater control.

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL / CUL Classified. Does not impact existing fixture UL listing. Labeled for use in air-handling units.

Protected by one or more of U.S. Patents Nos. 7,229,192; D541,467; D541,468; D544,633; D544,634; D544,992 and D544,933. Additional patents pending.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: 2RT5R 28T5 MVOLT GEB95 LPM835P

Series	Lamp type	Voltage	Ballast	
2RT5R Recessed relight	14T5 14W T5 (22")	MVOLT² 347 ^{3,8}	GEB95 Ballast factor .95, set light	
	24T5HO 24W T5HO (22") ¹		GEB10PS Ballast factor 1.0, set light ⁴	
	28T5 28W T5 (46")		SS SIMPLY5™ (.95 BF)	
			GEB115 Ballast factor 1.15, set light	
			GEB115S Ballast factor 1.15, step dimming	
			SS115 SIMPLY5™ (1.15 BF)	
Lamp color ⁵			Options	
LPM835P	Lamped with premium 3500°K lamp ⁶	LP835	Lamped with 3500°K lamp ⁷	JP16 Job packaging - 16 kits (2'x4' units)
LPM830P	Lamped with premium 3000°K lamp ⁶	LP830	Lamped with 3000°K lamp ⁷	JP32 Job packaging - 32 kits (2'x2' units)
LPM841P	Lamped with premium 4100°K lamp ⁶	LP841	Lamped with 4100°K lamp ⁷	CSA Meets Canadian standards

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ENERGY AND LIGHT LEVEL COMPARISON

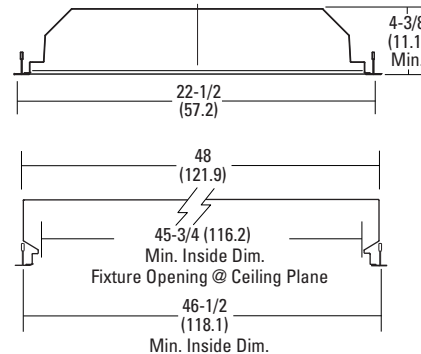
SYSTEM	LIGHT LEVEL	INPUT WATTS	WATTS/SF	WATTS SAVED	% SAVINGS	\$ SAVINGS PER YEAR	LER
Parabolic, three 2800 lumen T8 lamps, .88 ballast factor	69	88	1.06	Base	Base	Base	65
RT5R, two 2730 lumen T5 lamps, .95 ballast factor	50	58	0.72	30	34%	\$9.60	79

Light level in footcandles is calculated based on 8x10 mounting centers, 9 foot ceilings, 60x60 room, 80/50/20 reflectances, .95 LLD, .90 LDD, horizontal light level on 2.5 foot workplane height. Annual savings based on 4000 operating hours, \$.08/kwh. Luminaire Efficacy Rating (LER) is fixture lumen output divided by fixture input wattage.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

FIT COMPATIBILITY

The RT5™ relight assembly (RT5R) was engineered to upgrade parabolic fixtures from all major manufacturers conforming to the following dimensions.



Relight assemblies also will upgrade many existing "deep" lensed troffers conforming to these dimensions. Relight assemblies will not upgrade "contractor-grade" lensed troffers or lensed troffers previously upgraded with parabolic renovator kits. In addition to conforming to the dimensions above, Lithonia Lighting recommends a trial installation prior to purchasing project quantities.

Notes

- 1 T5HO lamp type available only with GEB10PS.
- 2 MVOLT (120-277V), 50-60Hz.
- 3 Use GEB95S for 14T5 or 28T5; use GEB10PS for 24T5HO.
- 4 Available only with 24T5HO.
- 5 Required. All fixtures shipped with lamps installed.
- 6 28T5 lamp type only
- 7 14T5 and 24T5HO lamp type only.
- 8 Available only with CSA option.

PRODUCT INFORMATION

AV

2'x2', 2'x4'



Intended Use
An exceptional general lighting product that performs well in large spaces with high ceilings. Especially suitable for open office areas, public indoor spaces, libraries and airport waiting areas.

Construction
The optimum mix of directional and diffuse reflected light combine for balanced illumination between task and proximate walls, enhanced visual comfort and minimized shadows.

Available in 2'x2' and 2'x4' symmetric distributions for general area lighting applications. End-to-end row mounting capability.

Choice of shielding options.

Matte-white polyester powder paint finished reflectors provide uniform light distribution. Optional diffuse aluminum stepped reflectors available.

Injection-molded plastic light traps prevent light

leaks between shielding and end plates.

Electrical
Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings
UL Listed, CUL Listed or CSA Certified to Canadian standards. NOM Certified – optional.

Protected by one or more of U.S. Patents Nos.: 5,988,829; 399,586; 411,641; 413,402; 2,212,513; 87,513.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: 2AV G 2 32 MDR MVOLT GEB10IS

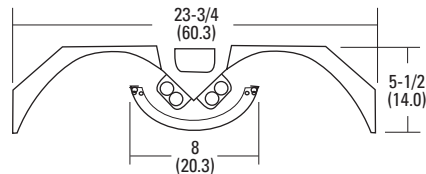
Series	Trim	Air function	Number of lamps	Lamp type	Diffuser	Voltage
2AV 2'wide, symmetric distribution	G Grid trim	(blank) Standard	1	14T5 14W T5 (22")	MDR Metal diffuser, round holes	MVOLT 347 ¹
	ST Screw slot	A Air supply/return	2	17 17W T8 (24")	SBL Straight blade louver, round holes	
			3	24T5HO 24W T5 (22")	MDM Metal diffuser, mini slots	
			Not included.	28T5 28W T5 (46")	ADP Acrylic diffuser, linear prismatic lens	
				32 32W T8 (48")	MDC Metal diffuser, round holes with large center slots	
				54T5HO 54W T5 (46")	MDS Metal solid diffuser	
			CF40 40W TT5 (24")			
			CF50 50W TT5 (24")			

Ballast configuration	Ballast	Options
(blank) 1- and/or 2-lamp ballasts per Lithonia Lighting standards 1/3 One 3-lamp ballast	GEB10IS T8 and CF electronic ballast, ≤10% THD, instant start GEB10RS T8 and CF electronic ballast, ≤10% THD, programmed rapid start GEB10PS T5 electronic ballast, ≤10% THD, programmed rapid start	ALG Acrylic litter guard GLR Internal fast-blow fuse ² APB Air pattern control blades ASR Aluminum stepped reflector EL Emergency battery pack ³ PWS1836 6' prewire, 3/8" dia., 18-gauge, 3 wires CSA Meets Canadian standards NOM Meets Mexican standards

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

SERIES	NOMINAL SIZE	CONFIGURATIONS		
		NUMBER OF LAMPS	LAMP TYPE	BALLAST
AV	2'x4'	1, 2, 3	28T5, 54T5HO	GEB10PS
AV	2'x4'	1, 2, 3	32	GEB10IS, GEB10RS
AV	2'x2'	1, 2, 3	14T5, 24T5HO	GEB10PS
AV	2'x2'	1, 2, 3	17	GEB10IS, GEB10RS
AV	2'x2'	1, 2, 3	CF40, CF50	GEB10IS, GEB10RS

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available only with CSA option.
- 2 Specify voltage.
- 3 Consult www.lithonia.com for available options.

Intended Use

Symmetric 1'x4' Avante® fixtures provide general indoor lighting. When joined in continuous rows, they provide pleasant and efficient lighting for open office plans. Symmetric 1'x2' fixtures often are used to light small areas.

Used in patterns, large public spaces illuminated with 1' wide symmetric Avante® fixtures are bright and attractive, yet with an unobtrusive ceiling.

Construction

The optimum mix of directional and diffuse reflected light combine for balanced illumination between task and proximate walls, enhanced visual comfort and minimized shadows.

Available in 1'x2' and 1'x4' symmetric distributions for general area lighting applications. End-to-end row mounting capability.

Available with a variety of shielding options.

Matte-white polyester powder paint finished reflectors provide uniform light distribution. Optional diffuse aluminum stepped reflectors available.

Injection-molded plastic light traps prevent light leaks between shielding and end plates.

Electrical

Ballast disconnect provided where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards. NOM Certified – optional.

Protected by one or more of U.S. Patents Nos.: 5,988,829; 399,586; 411,641; 413,402; 2,212,513; 87,513.

AV
1'x2', 1'x4'



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: AV G 2 32 MDR MVOLT GEB10IS

Series	Trim	Air function	Number of lamps	Lamp type	Diffuser	Voltage
AV 1' wide, symmetric distribution	G Grid trim	(blank) Standard	1	14T5 14W T5 (22")	MDR Metal diffuser, round holes	MVOLT 347 ²
	ST Screw slot	A Air supply/return	2	17 17W T8 (24") 24T5HO 24W T5 (22") 28T5 28W T5 (46") 32 32W T8 (48") 54T5HO 54W T5 (46") CF40 40W TT5 (24") ¹ CF55 55W TT5 (24") ¹	SBL Straight blade louver, round holes MDM Metal diffuser, mini slots	
Ballast				Options		
GEB10IS	T8 and CF electronic ballast, ≤10% THD, instant start			ALG	Acrylic litter guard	
GEB10RS	T8 and CF electronic ballast, ≤10% THD, programmed rapid start			EL	Emergency battery pack ⁴	
BINP	T8 high-performance ballast, normal ballast factor (.88) instant start ³			GLR	Internal fast-blow fuse ⁵	
GEB10PS	T5 electronic ballast, ≤10% THD, programmed rapid start			ASR	Aluminum stepped reflector	
				PWS1836	6' prewire, 3/8" dia., 18-gauge, 3 wires	
				CSA	Meets Canadian standards	
				NOM	Meets Mexican standards	

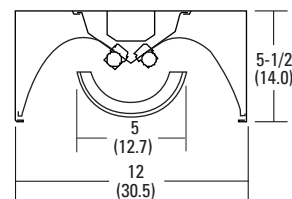
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS				
SERIES	NOMINAL SIZE	NUMBER OF LAMPS	LAMP TYPE	BALLAST
AV	1'x4'	1, 2	28T5, 54T5HO	GEB10PS
AV	1'x4'	1, 2	32	GEB10IS, GEB10RS, BINP
AV	1'x2'	1, 2	14T5, 24T5HO	GEB10PS
AV	1'x2'	1, 2	17	GEB10IS, GEB10RS, BINP
AV	1'x2'	1	CF40, CF50	GEB10IS, GEB10RS

ACCESSORIES	
ORDER SEPARATELY	
DGA	Drywall ceiling adapter, unit installation. Use G trim plus DGA for support in plaster ceilings. (Add 24 for 2'x4', 22 for 2'x2'.)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 One-lamp only.
- 2 Available only with CSA option.
- 3 Consult www.lithonia.com for additional high-performance ballast options.
- 4 Consult www.lithonia.com for available options.
- 5 Specify voltage.

AV

Asymmetric

1'x2', 1'x4'



Intended Use
Asymmetric products deliver uniform vertical illumination. They produce excellent corridor lighting or accent lighting for retail applications in continuous rows.

Construction
Optimum mix of directional and diffuse reflected light combine for balanced illumination between task and proximate walls, enhanced visual comfort and minimized shadows.

Asymmetric distribution available for dedicated wall washing or in combination with symmetric luminaires to maintain perimeter illumination.

Available with a variety of shielding options.

Matte-white polyester powder paint finished reflectors provide uniform light distribution. Optional diffuse aluminum stepped reflectors available.

Injection-molded plastic light traps prevent light leaks between shielding and end plates.

Compatible with screw slot and most 2' ceiling grids.

Electrical
Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards. NOM Certified – optional.

Protected by one or more of U.S. Patents Nos: 5,988,829; 399,586; 411,641; 413,402; 2,212,513; 87,513.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: AV G 2 32 MDR ASY MVOLT GEB10IS

Series	Trim	Air function	Number of lamps	Lamp type	Diffuser	Distribution
AV 1' wide, asymmetric distribution	G Grid trim	(blank) Standard	1	14T5 14W T5 (22")	MDR Metal diffuser, round holes	ASY Asymmetric distribution
	ST Screw slot	A Air supply/return ¹	2	17 17W T8 (24")	MDM Metal diffuser, mini slots	
				24T5HO 24W T5 (22")		
				28T5 28W T5 (46")		
				32 32W T8 (48")		
				54T5HO 54W T5 (46")		
				CF40 40W TT5 (24") ²		
			CF50 50W TT5 (24") ²			
MVOLT 347 ³	GEB10IS T8 and CF electronic ballast, ≤10% THD, instant start				ALG Acrylic litter guard	
	GEB10RS T8 and CF electronic ballast, ≤10% THD, programmed rapid start				EL Emergency battery pack ⁴	
	GEB10PS T5 electronic ballast, ≤10% THD, programmed rapid start				GLR Internal fast-blow fuse ⁶	
	BINP T8 high-performance ballast, normal ballast factor (.88), instant start ⁵				PWS1836 6' prewire, 3/8" dia., 18-gauge, 3 wires	
					ASR Aluminum stepped reflector	
					CSA Meets Canadian standards	
					NOM Meets Mexican standards	

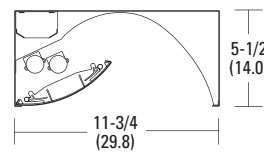
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS				
SERIES	NOMINAL SIZE	NUMBER OF LAMPS	LAMP TYPE	BALLAST
AV - ASY	1'x4'	1, 2	28T5, 54T5HO	GEB10PS
AV - ASY	1'x4'	1, 2	32	GEB10IS, GEB10RS
AV - ASY	1'x2'	1, 2	14T5, 24T5HO	GEB10PS
AV - ASY	1'x2'	1, 2	17	GEB10IS, GEB10RS
AV - ASY	1'x2'	1	CF40, CF50	GEB10IS, GEB10RS

ACCESSORIES	
ORDER SEPARATELY	
DGA	Drywall ceiling adaptor, unit installation. Use G trim plus DGA for support in plaster ceilings. (Add 14 for 1'x4')

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Not available in AV 1'x2' asymmetric.
- One-lamp only.
- Available only with CSA options.
- Consult www.lithonia.com for available options.
- Consult www.lithonia.com for additional high-performance ballast options.
- Must specify 120 or 277V.

Intended Use

Side-mounted diffuser, a recessed direct/indirect alternative with performance similar to symmetric Avante®. Especially suited for conference rooms, corridors and reception areas where soft, distinctive lighting is required.

Construction

The optimum mix of directional and diffuse reflected light combine for balanced illumination between task and proximate

walls, enhanced visual comfort and minimized shadows.

Side-mounted diffusers are available in 2'x2' and 2'x4' models

Available with MDR and MDM shielding options.

Matte-white polyester powder paint finished reflectors provide uniform light distribution. Optional low-brightness diffuse aluminum stepped reflectors available.

Can be installed in continuous rows.

Injection-molded plastic light traps prevent light leaks between diffusers and end plates.

Electrical

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards. NOM Certified – optional.

Protected by one or more of U.S. Patents Nos.: 5,988,829; 399,586; 411,641; 413,402; 2,212,513; 87,513.

2AV

Side-Mount Diffuser 2'x2', 2'x4'



ORDERING INFORMATION

Lead time will vary depending on options selected. Consult with your sales representative.

Example: 2AV G 2 32 MDR SMD MVOLT GEB10IS

Series	Trim	Number of lamps	Lamp type	Diffuser	Distribution	Voltage
2AV 2'wide, symmetric distribution	G Grid trim	2	14T5 14W T5 (22")	MDR Metal diffuser, round holes	SMD Side-mounted diffuser	MVOLT 347 ³
	ST Screw slot	4	17 17W T8 (24")	MDM Metal diffuser, mini slots		
			24T5HO 24W T5 (22")			
			28T5 28W T5 (46")			
			32 32W T8 (48")			
			54T5HO 54W T5 (46")			
			CF40 40W TT5 (24") ¹			
		CF50 50W TT5 (24") ¹				
Ballast configuration		Ballast	Options			
(blank)	1- and/or 2-lamp ballasts per Lithonia Lighting standards	GEB10IS T8 and CF electronic ballast, ≤10% THD, instant start	ALG Acrylic litter guard			
1/4	One 4-lamp ballast (T8 lamp type only)	GEB10RS T8 and CF electronic ballast, ≤10% THD, programmed rapid start	GLR Internal fast blow fuse ²			
		GEB10PS T5 electronic ballast, ≤10% THD, programmed rapid start	EL Emergency battery pack ⁴			
		BINP T8 high-performance ballast, normal ballast factor (.88), instant start ⁵	PWS1836 6' prewire, 3/8" dia., 18-gauge, 3 wires			
			CSA Meets Canadian standards			
			NOM Meets Mexican standards			
			ASR Aluminum stepped reflector			

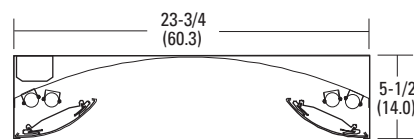
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS				
SERIES	NOMINAL SIZE	NUMBER OF LAMPS	LAMP TYPE	BALLAST
AV	2'x4'	2, 4	28T5, 54T5HO	GEB10PS
AV	2'x4'	2, 4	32	GEB10IS, GEB10RS
AV	2'x2'	2, 4	14T5, 24T5HO	GEB10PS
AV	2'x2'	2, 4	17	GEB10IS, GEB10RS
AV	2'x2'	2	CF40, CF50	GEB10IS, GEB10RS

ACCESSORIES	
ORDER SEPARATELY	
DGA_	Drywall ceiling adapter, unit installation. Use G trim plus DGA for support in plaster ceilings. (Add 24 for 2'x4'; 22 for 2'x2'.)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Two-lamp only.
- Specify voltage.
- Available only with CSA options.
- Consult www.lithonia.com for available options.
- Consult www.lithonia.com for additional high-performance ballast options.

AVSM

Surface
Suspended



Intended Use
1'x2': Ideal for general or task lighting in alcoves, narrow corridors and small spaces. 1'x4': Suitable for general area or task-specific lighting in both new construction and remodeling. Especially suited for conference rooms, reception areas, health care institutions, education facilities and offices.

Construction
Contemporary, low-profile construction, suitable for surface and suspended

mounting, providing direct or semi-direct light distribution.

Rugged steel housing in 2', 4' or 8' field-joinable units for continuous rows.

Injection molded joiners with snap-on finished ends.

Available with popular Avante® 1'x4' shieldings, MDR, MDM and SBL.

Reflectors finished with high-reflectance, matte-white polyester powder paint for uniform light distribution.

Reflector option includes painted white steel reflectors with or without semi-perforated option for uplight, or diffuse aluminum stepped reflector (ASR).

T5HO or T8 lamping configurations available.

Electrical
Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: AVSM 2 32 MDR DLS MVOLT GEB10IS

Series	Number of lamps	Lamp type	Diffuser	Distribution	Voltage
AVSM 2' and 4' length	1	14T5 14W T5 (22")	MDR Metal diffuser, round holes	ULR Uplight, round hole, perforated band ²	MVOLT
TAVSM 8' length	2	17 17W T8 (24")	MDM Metal diffuser, mini slots	DLS Downlight, solid	347 ⁵
		24T5HO 24W T5 (22")	SBL Straight blade louver, round holes		
		28T5 28W T5 (46")			
		32 32W T8 (48")			
		54T5HO 54W T5 (46")			
		CF40 40W TT5 (24") ¹			
		CF50 50W TT5 (24") ¹			

Ballast

GEB10IS T8 and CF electronic ballast, ≤10% THD, instant start
GEB10RS T8 and CF electronic ballast, ≤10% THD, programmed rapid start
GEB10PS T5 electronic ballast, ≤10% THD, programmed rapid start

Options⁷

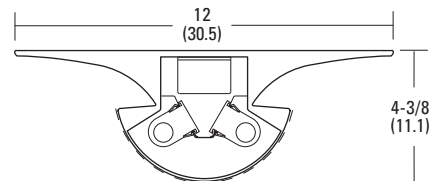
ALG Acrylic litter guard
 GLR Internal-fast blow fuse³
 EL Emergency battery pack⁶
 ASR Aluminum stepped reflector⁴
 NOM Meets Mexican standards
 CSA Meets Canadian standards

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

SERIES	NOMINAL LENGTH	CONFIGURATIONS		
		NUMBER OF LAMPS	LAMP TYPE	BALLAST
AVSM	2'	1, 2	17	GEB10IS, GEB10RS
AVSM	2'	1, 2	14T5, 24T5HO	GEB10PS
AVSM	2'	1	CF40, CF50	GEB10IS, GEB10RS
AVSM	4'	1, 2	32	GEB10IS, GEB10RS
AVSM	4'	1, 2	28T5, 54T5HO	GEB10PS
TAVSM	8'	1, 2	32	GEB10IS, GEB10RS
TAVSM	8'	1, 2	28T5, 54T5HO	GEB10PS

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- One-lamp only.
- For suspended mounting only.
- Specify voltage.
- Not available with ULR.
- Available only with CSA option.
- Consult www.lithonia.com for available options.
- For mounting options, refer to page 81.

AVS Sconces



Intended Use

The Avante® wall sconce series provides three unique options to accommodate any application need. Two versions (AVSC and AVSP) provide a distinctive look in surface-mounting applications. AVSR is an ideal option for recessed applications. All fixtures are intended for corridor or accent lighting in hospitality, educational, offices or health care applications.

ADA compliant.

Construction

Two shielding media available:

MDR: Metal diffuser with round perforated holes.

MDM: Metal diffuser with mini slots.

All housing are precisely formed steel. AVSR includes galvanized rough-in box for recessed mounting. Optical assembly simply snaps into box.

Electrical

All ballasts are Class P thermally protected high power factor electronic ballast.

Lamp options include twin-tube or quad-tube lamps.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: AVSP 2 13TT MDR 120

Series	Number of lamps ¹	Lamp type ¹	Diffuser	Voltage	Options
AVSP Perforated shield	1	13TT	MDR Metal diffuser, round holes	120	ALB Anodized aluminum backplate ³
AVSR Recessed perforated	2	13DTT	MDM Metal diffuser, mini slots	277	ASR Aluminum stepped reflector ⁴
AVSC Cylinder		CF18		347 ²	CSA Meets Canadian standards
		26DTT		MVOLT	NOM Meets Mexican standards
		26TRT			
		32TRT			

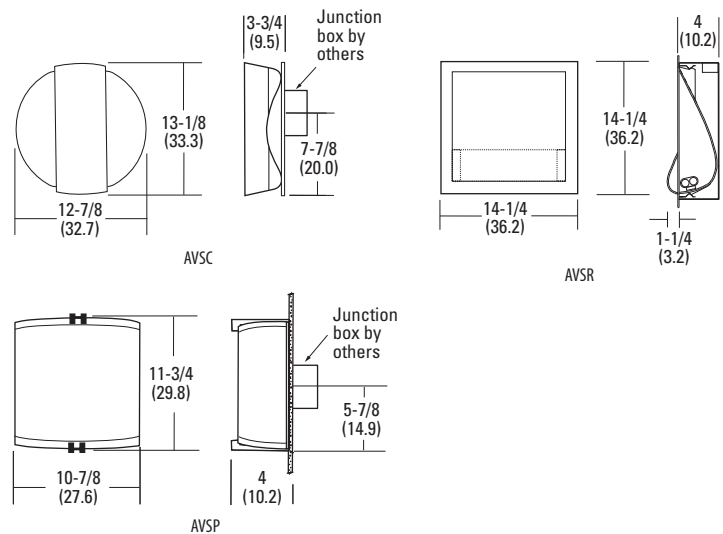
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS					
SERIES	NUMBER OF LAMPS	LAMP TYPE	WIDTH IN. (CM)	DEPTH IN. (CM)	LENGTH IN. (CM)
AVSP	2	13TT, 13DTT, 26DTT	10-7/8 (27.6)	4 (10.2)	11-3/4 (29.8)
AVSR ⁵	1	CF18, 26DTT, 26TRT, 32TRT	14-1/4 (36.2)	4 (10.2)	14-1/4 (36.2)
AVSC	1	CF18	12-7/8 (32.7)	3-3/4 (9.5)	13-1/8 (33.3)

LAMP DESIGNATIONS	
TYPE	DESCRIPTION
13TT	13W T4 twin-tube, 2-pin, GX23 base
13DTT	13W quad-tube, 4-pin electronic ballast, G24q-1 base
CF18	18W twin-tube T5
26DTT	26W quad-tube, 4-pin
26TRT	26W tri-tube, 4-pin
32TRT	32W tri-tube, 4-pin

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

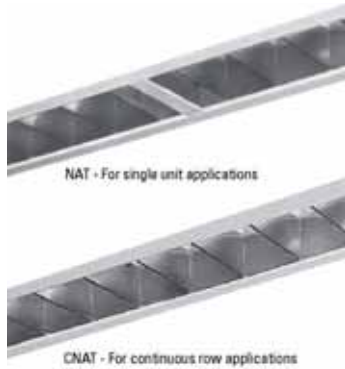


Notes

- 1 See Configurations table for lamp compatibility.
- 2 Available only with CSA option.
- 3 Available only with AVSP.
- 4 Available only with AVSC.
- 5 1-1/4" (3.2 cm) extension from wall.

PRODUCT INFORMATION

NAT CNAT



Intended Use
The NAT (individual mounting) and CNAT (continuous row mounting) provide a clean architectural styling for office, retail and other indoor applications.

Construction
Available in 6" or 12" widths and 2', 3' and 4' lengths.

Choice of 1-1/2" or 2" louver depth. Anodized semi specular or white finish. Easy lift and shift installation.

Optional grid or flange mounting.
Fixture height only 6-1/8".

Electrical
Thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA Certified, sound rated A.

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified optional.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: 6NAT G 2 32 152LD MVOLT GEB10IS

Series ¹	Trim	Number of lamps	Lamp type	Louver/Finish ²
6NAT 6" wide	G Lay-in grid	1	17 17W T8 (24")	Louvers
NAT 12" wide	F Flanged	2	25 25W T8 (36")	152 1-1/2" louver - 2" center-to-center blades
6CNAT 6" wide			32 32W T8 (48")	203 2" louver - 3" center-to-center blades
CNAT 12" wide				

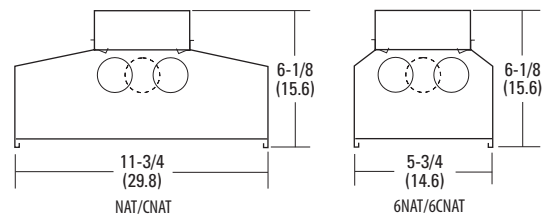
Voltage	Ballast	Options
MVOLT 347 ³	GEB10IS T8 electronic ballast, ≤10% THD, instant start GEB10RS T8 electronic ballast, ≤10% THD, programmed rapid start	EL Emergency battery pack ⁴ GLR Internal fast-blow fuse ⁵ CSA Meets Canadian standards NOM Meets Mexican standards

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

SERIES	NOMINAL LENGTH	NUMBER OF LAMPS	LAMP TYPE	NUMBER OF CELLS		HEIGHT IN.(CM)
				2" SPACING	3" SPACING	
NAT/CNAT	2' (standard)	1, 2	17	12	8	6-1/8 (15.6)
NAT/CNAT	3' (standard)	1, 2	25	18	12	6-1/8 (15.6)
NAT/CNAT	4' (standard)	1, 2	32	24	16	6-1/8 (15.6)
TCNAT	6' (tandem) ⁶	1, 2	25	18x2	12x2	6-1/8 (15.6)
TCNAT	8' (tandem) ⁶	1, 2	32	24x2	16x2	6-1/8 (15.6)

ACCESSORIES ORDER SEPARATELY	
_CNATGEP	One pair of end plates for CNAT with G trim. End plate trim supports ceiling tile. Order one pair per row. Specify 6 for 6" or leave blank for 12".
_CNATFEP	One pair of end plates for CNAT with F trim. End plate trim supports ceiling tile. Order one pair per row. Specify 6 for 6" or leave blank for 12".

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For CNAT tandem double-length unit, add prefix T. Example: TCNAT. Other widths available.
- Other finishes available.
- Available only with CSA options.
- Consult www.lithonia.com for available options.
- Specify voltage.
- T (tandem) units use two louvers.

PRODUCT INFORMATION

Intended Use

Provides high-performance, uniform wall illumination to highlight artwork and signage. Displays are accenting in retail or office environments.

Construction

Provides maximum wall illumination with minimum brightness. Eliminates hot spots, scalloping and shadows on vertical surfaces.

High performance: 92% of light output illuminates wall.

12" wide assembly easily adapts to common ceiling systems.

2' or 4' lengths, grid or flange mounting.

Electrical

Available with T8, T5 or compact fluorescent electronic ballast.

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

WW
Perceiva®



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: WW G 2 32 MVOLT IRLS GEB10IS

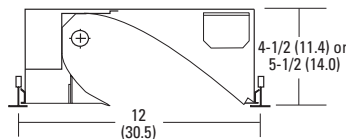
Series	Trim	Number of lamps	Lamp type	Voltage	Reflector	Ballast	Options
WW	Wallwash, 12" aperture	G Lay-in grid ¹	1 14T5 14W T5 (22")	MVOLT	IRLS Low iridescent specular silver	GEB10IS T8 and CF electronic ballast, ≤10% THD, instant start	EL Emergency battery pack ⁶
	2 17 17W T8 (24")		347 ⁷				
TWW	Tandem double-length units; 2' WW units only	ST Screw slot	24T5HO 24W T5 (22")		IRWD Low iridescent diffuse silver	GEB10PS T5 electronic ballast, ≤ 10% THD, programmed rapid start	CSA Meets Canadian standards
			28T5 28W T5 (46")				
			32 32W T8 (48")				
			54T5HO 54W T5 (46")				
			CF40 40W TTS RS (24") ³				
			CF50 50W TTS RS (24") ³		IRWH White		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS					
SERIES	NOMINAL LENGTH	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE	HEIGHT IN. (CM)
WW	2'	1	1	17, CF40, CF50, 14T5, 24T5HO	4-1/2 (11.4)
WW	4'	1	1	32, 28WT5, 54WT5HO	4-1/2 (11.4)
TWW	4'	1	2	CF40, CF50	4-1/2 (11.4)
WW	2'	2	2	17	5-1/2 (14.0)
WW	4'	2	2	32	5-1/2 (14.0)
WW	2'	2	2	14T5, 24T5HO	4-1/2 (11.4)
WW	4'	2	2	28T5, 54T5HO	4-1/2 (11.4)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Use G trim plus DGA accessory for fixture-trim flange and fixture support in plaster or plasterboard ceilings.
- 2 Flanged sides, grid ends used in grid applications only.
- 3 One-lamp only.
- 4 Available only with CSA option.
- 5 Consult www.lithonia.com for additional high-performance ballast options.
- 6 Consult www.lithonia.com for available options.
- 7 Specify voltage.

PRODUCT INFORMATION

Architectural Lighting

Intended Use

TZ5 is designed specifically for the Armstrong® TECHZONE™ ceiling system where a high-end appearance for large, open areas is desired without the expense of a custom or drywall ceiling. Together, the TZ5 and TECHZONE system can easily achieve a monolithic, uncluttered ceiling visual using standard components, and can help control the look of the space.

Construction

Impact-modified acrylic linear prismatic refractor.

Rigid, 20-gauge, cold-rolled steel housing. Polyester powder paint after fabrication.

Integral T-bar safety clips are standard. No need to install separate clips.

Two-piece refractive system obscures the lamp image and smoothly washes room surfaces.

Electrical

Highly efficient programmed start electronic ballasts, Class P, thermally protected, resetting, HPF, non-PCB, UL Listed, CSA Certified, sound rated A+. Lamp is TCLP-compliant and 85 CRI.

0.95 ballast factor standard.

Step-dimming option allows system to be switched to 50% power for compliance with common energy

codes while maintaining fixture appearance.

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed; CUL Listed or CSA Certified to Canadian Standards. NOM Certified – optional.

TZ5



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

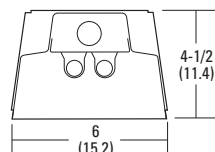
Example: TZ5

Series	Number of lamps	Lamp type	Ballast	Lamp color ²	Options
TZ5 TECHZONE™ square lay-in	(blank) Two lamps	(blank) 28W T5 (46")	(blank) Multi-volt, 0.95 ballast factor (standard)	(blank) Premium 3500°K, (standard)	EX5 Extended fixture length: 5' overall length
TZ5T TECHZONE™ tegular	1 One lamp		GEB95S Multi-volt, 0.95 ballast factor, step dimming ¹	LPM830P Premium 3000°K LPM841P Premium 4100°K	EL14 Emergency battery pack CSA Meets Canadian standards NOM Meets Mexican standards

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available in two-lamp version only.
- 2 All fixtures shipped with lamps installed.

ES8P

2'x2', 2'x4'



Intended Use
ES8P provides a high-performance T8 (HPT8) energy-saving alternative to 3-lamp, 18-cell parabolic fixtures. Used in place of parabolics, ES8P can provide 44% energy savings while meeting IESNA recommended illuminance levels. Ideal for retail, educational, and commercial applications requiring lighting power density as low as 0.6 watts/square foot. 2'x4', 2'x2' and 1'x4' sizes available to meet most general illumination layouts.

Designed and optimized for use with high-lumen T8 lamps and energy-efficient electronic ballasts.

Highly reflective surfaces combine with efficient design

to produce up to 86% photometric efficiency and a Luminaire Efficacy Rating (LER) of up to 86 using listed lamps and ballast.

Construction
Robust design, precision-tooling, and automated assembly combine to create the industry's strongest louver. Rotary sockets provide for simple lamp insertion and positive engagement into lamp contacts. Mechanical light seal requires no foam gasketing. Integral T-bar clips secure fixture to T-bar system. Housing formed of cold-rolled steel.

Five-stage iron-phosphate pre-treatment ensures superior paint adhesion and rust resistance. Housing painted

after fabrication with environmentally friendly, high-gloss, very high reflectivity polyester powder-coat.

Louver painted after fabrication with low-gloss, high reflectivity polyester powder coat.

Consult factory for air version configurations.

Optics
Mechanical shielding is provided with angled length blades, and linear faceted cross baffles. Contoured housing efficiently directs light downward. Lamp cut-out maximizes shielding even in shallow plenum applications and softens light distribution to deliver a balanced amount of light to both vertical and horizontal surfaces.

Electrical
Standard ballast is high-efficiency, instant start, ≤10% THD, universal voltage and sound rated A.

Optional programmed start and step-dimming ballasts available.

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

Protected by one or more of U.S. Patents Nos. 6,210,025; 6,231,213. Additional patents pending.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

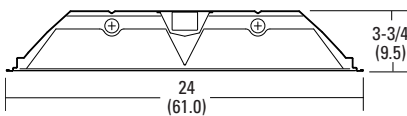
Example: 2E58P 2 32 BILP L835HT8

Series	Trim	Number of lamps	Lamp type	Voltage	Ballast
2E58P	(blank) Lay-in grid	2	17 17W T8 (24")	(blank) MVOLT 347 ¹	BILP T8 high-performance ballast, low ballast factor (.78), instant start
	F Overlapping flanged		32 32W T8 (48")		BINP T8 high-performance ballast, normal ballast factor (.88), instant start
			U31 31W T8 U (1-5/8" leg)		BIHP T8 high-performance ballast, high ballast factory (1.20), instant start ²
					BSNP T8 high-performance ballast, normal ballast factor (.88), step-dim programmed start, 2-lamp only ²
Lamp color			Options ^{3,6}		
L830HT8	3100 lumens, long life, 3000°K		EL	Emergency battery pack	
L835HT8	3100 lumens, long life, 3500°K		PWS1836	6' prewire, 3/8" dia, 18-gauge, 3 wires	
L841HT8	3100 lumens, long life, 4100°K		EL14	Emergency battery pack ⁴	
			QFC	Quick-Flex® fixture cable, factory installed prewired cable (RELOC ⁵)	
			CSA	Meets Canadian standards	
			NOM	Meets Mexican standards	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS				
NOMINAL SIZE	NUMBER OF LAMPS	LAMP TYPE	NUMBER OF CELLS (ROWS X NUMBER IN ROW)	HEIGHT IN. (CM)
2'x2'	2	17, U31	6 (2x3)	3-3/4 (9.5)
2'x4'	2	32	12 (2x6)	3-3/4 (9.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Available only with CSA option.
- Not available in 347V.
- Other options available may increase fixture depth up to 6". Consult factory if plenum space is a concern.
- Only available for 2E58P 2x4 (2 lamps, 32WT8).
- Must specify voltage.
- Consult www.lithonia.com for available options.

PRODUCT INFORMATION

Intended Use

Companion fixture to the ES8 2'x2' and 2'x4' versions. ES8P 1'x4' provides a high-performance T8 (HPT8) energy-saving alternative to traditional 3" parabolics. Improves the balance between horizontal and vertical light levels. Ideal for use in corridors, small spaces or continuous row mounting in retail, commercial or educational applications.

Designed and optimized for use with CEE (Consortium for Energy Efficiency) qualified, high-lumen T8 lamps and energy-efficient electronic ballasts.

Highly reflective surfaces, in conjunction with efficient design, produce up to 86%

photometric efficiency and a Luminaire Efficacy Rating (LER) of up to 86 using listed lamps and ballast.

Construction

Robust design and precision-tooling combine to create the industry's strongest louver. Rotary sockets provide for simple lamp insertion and positive engagement into lamp contacts.

Finish: Five-stage iron-phosphate pre-treatment ensures superior paint adhesion and rust resistance. Housing painted after fabrication with environmentally friendly, high-gloss, very high reflectivity polyester powder-coat. Louver painted after fabrication with

low-gloss, high reflectivity polyester powder coat.

Optics

Mechanical shielding is provided with angled length blades, and linear faceted cross baffles. Contoured housing efficiently directs light downward. Lamp cut-out maximizes shielding even in shallow plenum applications and softens light distribution to deliver a balanced amount of light to both vertical and horizontal surfaces.

Electrical

Standard ballast is high-efficiency, CEE qualified, instant start, ≤10% THD, universal voltage and sound rated A.

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Optional program start ballasts available.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

ES8P

1'x4'



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: ES8P 1 32 BIHP L835HT8

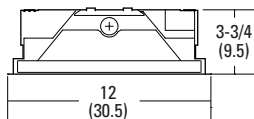
Series	Trim	Number of lamps	Lamp type	Voltage	Ballast
ES8P	(blank) Lay-in grid	1	32 32W T8 (48")	(blank) MVOLT	BILP T8 high-performance ballast, low ballast factor (.78), instant start ¹
	F Overlapping flanged	2		347 ³	BINP T8 high-performance ballast, normal ballast factor (.88), instant start ¹ BIHP T8 high-performance ballast, high ballast factor (1.2), instant start ¹ BSNP T8 high-performance ballast, normal ballast factor (.88) step-dim programmed start, 2-lamp only ^{1,5}
Lamp color			Options⁴		
L830HT8	3100 lumens, long life, 3000°K		EL	Emergency battery pack	
L835HT8	3100 lumens, long life, 3500°K		EL14	Emergency battery pack	
L841HT8	3100 lumens, long life, 4100°K		PWS1836	6' prewire, 3/8" dia., 18-gauge, 3 wires	
			QFC	Quick-Flex [®] fixture cable, factory installed prewired cable (RELOC [®]) ²	
			CSA	Meets Canadian standards	
			NOM	Meets Mexican standards	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

NOMINAL SIZE	CONFIGURATIONS			
	NUMBER OF LAMPS	LAMP TYPE	NUMBER OF CELLS (ROWS X NUMBER IN ROW)	HEIGHT IN. (CM)
1'x4'	1, 2	32	6 (1x6)	3-3/4 (9.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- 1 CEE qualified ballast is not available in 347V.
- 2 Must specify voltage.
- 3 Available only with CSA option.
- 4 Consult www.lithonia.com for available options.
- 5 Available in 2-lamp version only.

ES8X

2'x2', 2'x4'

**Intended Use**

For use in surface-mount applications. ES8X provides a high-performance T8 (HPT8) energy-saving alternative to 3-lamp, 18-cell parabolic fixtures. Used in place of parabolics, ES8X can provide 44% energy savings while meeting IESNA recommended illuminance levels. Ideal for retail, educational and commercial applications requiring lighting power density as low as 0.6 watts/square foot.

Designed and optimized for use with CEE (Consortium for Energy Efficiency) qualified, high-lumen T8 lamps and energy-efficient electronic ballasts.

Highly reflective surfaces combine with efficient design to produce up to 86%

photometric efficiency and a Luminaire Efficacy Rating (LER) of up to 86 using listed lamps and ballast.

Construction

Robust design, precision-tooling and automated assembly combine to create the industry's strongest louver. Rotary sockets provide for simple lamp insertion and positive engagement into lamp contacts. Mechanical light seal requires no foam gasketing. Housing formed of cold-rolled steel.

Finish: Five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance. Housing painted after fabrication with environmentally friendly, high-gloss, very high reflectivity polyester powder-coat. Louver painted after

fabrication with low gloss, high reflectivity polyester powder coat.

Optics

Mechanical shielding is provided with angled length blades and linear faceted cross baffles. Contoured housing efficiently directs light downward. Lamp cut-out maximizes shielding even in shallow plenum applications and softens light distribution to deliver a balanced amount of light to both vertical and horizontal surfaces.

Electrical

Standard ballast is high-efficiency, CEE qualified, instant start, <10% THD, universal voltage and sound rated A. Optional programmed start and step-dimming ballasts available.

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

Protected by one or more of U.S. Patents Nos. 6,210,025; 6,231,213. Additional patents pending.

**ORDERING INFORMATION**

For shortest lead times, configure products using **bolded options**.

Example: 2ES8X 2 32 BILP L835HT8

Series	Number of lamps	Lamp type	Voltage	Ballast	Lamp color	Options ³
2ES8X	2	17 17W T8 (24")	(blank) MVOLT 347 ¹	BILP T8 high-performance ballast, low ballast factor (.78), instant start	L830HT8 3100 lumens, long life, 3000°K	EL Emergency battery pack
		32 32W T8 (48")		BINP T8 high-performance ballast, normal ballast factor (.88), instant start	L835HT8 3100 lumens, long life, 3500°K	EL14 Emergency battery pack
		U31 31W T8 U (1-5/8" leg)		BIHP T8 high-performance ballast, high ballast factor (1.20), instant start ²	L841HT8 3100 lumens, long life, 4100°K	FTC Full top cover
				BSNP T8 high-performance ballast, normal ballast factor (.88), step-dim programmed start, 2-lamp only ²		CSA Meets Canadian standards NOM Meets Mexican standards

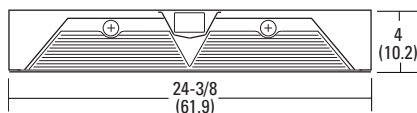
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS

NOMINAL SIZE	NUMBER OF LAMPS	LAMP TYPE	NUMBER OF CELLS (ROWS X NUMBER IN ROW)	HEIGHT IN. (CM)
2'x2'	2	17	6 (2x3)	4 (10.2)
2'x2'	2	U31	6 (2x3)	4 (10.2)
2'x4'	2	32	12 (2x6)	4 (10.2)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- Available only with CSA option.
- Not available in 347V.
- Consult www.lithonia.com for available options.

ES8R

2'x2', 2'x4'



Intended Use

The ES8R is an ideal solution for relighting a parabolic installation when a one-for-one upgrade is desired. ES8R is designed for installation into host parabolic fixtures that are a minimum of 4-3/8" deep. ES8R is not specifically designed for lensed troffer upgrades or lensed troffers with parabolic renovator kit installations*. Ideal for retail, educational, commercial and other general lighting applications.

ES8R delivers more balanced light levels vertically and horizontally while eliminating the "cave effect" produced by traditional parabolic fixtures.

ES8R provides substantial energy savings of up to 45% compared to a three-lamp T8 electronic ballast system and up to



56% savings compared to a three-lamp T12 ES magnetic system.

Construction

Universal end brackets containing the prewired ballast and sockets are constructed of 20-gauge painted steel. A ballast disconnect plug is installed standard.

Robust design, precision-tooling and automated assembly combine to create the industry's most rugged louver.

The reflector system is constructed from highly reflective white paint and easily attaches to the end brackets with quarter-turn fasteners.

Louver assembly is painted after fabrication with low-gloss, high reflectivity polyester powder coat that is easy to clean and resists



fingerprints. Reflectors are finished in highly reflective computer-controlled gloss white paint.

Optics

Mechanical shielding is provided with angled length blades and linear faceted cross baffles. Contoured housing efficiently directs light downward. Lamp cut-outs maximize shielding while minimizing overall assembly depth to provide consistent performance in any host fixture application. Vertical light levels are improved, providing a balanced amount of light across all surfaces.

Electrical

Standard ballast is high-efficiency, CEE (Consortium for Energy Efficiency) qualified, instant start, <10% THD, universal voltage and

sound rated A. Suggested lamps are high-lumen, long-life Super T8 lamps which contribute to maximizing system performance. Optional programmed start and step-dimming ballasts are available as well as several ballast factor options.

Installation

Louver assembly hinges from either side for access to lamps. For ballast access, continue process by removing quarter-turn fasteners and reflectors.

Listings

UL Listed/CUL Classified. Does not impact existing UL listing. Labeled for use in air-handling fixtures.

Protected by one or more U.S. Patent Nos. 6,210,025; 6,231,213. Additional patents pending.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: 2ES8R 2 32 BINP

Series	Number of lamps	Lamp type	Voltage	Ballast	Options
2ES8R	2	17 17W T8 (24") 32 32W T8 (48") U31 31W T8 U (1-5/8" leg)	(blank) MVOLT ¹ 347	BILP T8 high-performance ballast, low ballast factor (.78), instant start BINP T8 high-performance ballast, normal ballast factor (.88), instant start BIHP T8 high-performance ballast, high ballast factor(1.20), instant start ² BSNP T8 high-performance ballast, normal ballast factor (.88), step-dim programmed start, 2-lamp only ²	JP18 Job pack 18 (2'x4') JP24 Job pack 24 (2'x2')

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ENERGY AND LIGHT LEVEL COMPARISON

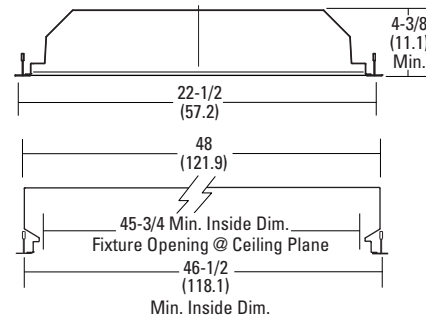
SYSTEM	LIGHT LEVEL	INPUT WATTS	WATTS/SF	WATTS SAVED	% SAVINGS	\$ SAVINGS PER YEAR	LER
Parabolic, three 2800 lumen T8 lamps, .88 ballast factor	69	88	1.1	Base	Base	Base	65
ES8P, two 3100 lumen T8 lamps, .78 ballast factor	51	48	0.60	40	45%	\$12.80	85

Light level in footcandles is calculated based on 8x10 mounting centers, 9 foot ceilings, 60x60 room, 80/50/20 reflectances, .95 LLD, .90 LDD, horizontal light level on 2.5 foot workplane height. Annual savings based on 4000 operating hours, \$.08/kwh. Luminaire Efficacy Rating (LER) is fixture lumen output divided by fixture input wattage.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

FIT COMPATIBILITY

The ES8 relight assembly (ES8R) was engineered to upgrade parabolic fixtures from all major manufacturers conforming to the following dimensions.



Relight assemblies also will upgrade many existing "deep" lensed troffers conforming to these dimensions. Relight assemblies will not upgrade "contractor-grade" lensed troffers or lensed troffers previously upgraded with parabolic renovator kits. In addition to conforming to the dimensions above, Lithonia Lighting recommends a trial installation prior to purchasing project quantities.

Notes

- 1 MVOLT standard for 120V-277V applications.
- 2 Not available in 347V.

PRODUCT INFORMATION

PMO

Optimax®



Intended Use
Full family of light-controlling parabolic luminaires designed to control screen glare in VDT open office environments.

Construction
Compound parabolic louver provides optimum light control.

Design optimized for use with T8 lamps and electronic ballasts.

Latest development in aluminum finishing minimizes

louver iridescence. Ideal for use with triphosphor lamps.

Only listed lamp and cell configurations will provide Optimax® light control performance.

Hemmed sides and ends provide smooth edges for easy handling during installation.

Integral T-bar safety clips standard on most models.

Available in metric sizes. Consult factory.

Surface-mounted versions also available.

Electrical
Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

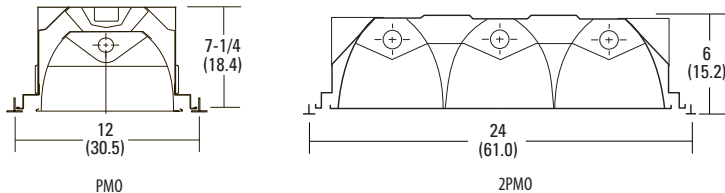
Example: 2PMO G B 3 32 27LS MVOLT 1/3 GEB10IS

Series	Trim	Air function	Number of lamps ²	Lamp type	Number of cells/Louwer
PMO	1' wide	G Grid	1	17 17W T8 (24")	9
2PMO	2' wide	F Flanged	2	32 32W T8 (48")	LS Low-iridescent anodized specular silver LD Low-iridescent anodized diffuse silver
		ST Screw slot	3	CF40 40W TT5 (24")	
			Not included.	U31 31W T8 U (1-5/8" leg)	
Voltage		Ballast configuration	Ballast		Options ^{1,3}
MVOLT	(blank)	1- and/or 2-lamp ballasts per Lithonia Lighting standards	GEB10IS	T8 and CF electronic ballast, ≤10% THD, instant start	EL Emergency battery pack
347 ⁴	1/3	One 3-lamp ballast	GEB10RS	T8 and CF electronic ballast, ≤10% THD, programmed rapid start	CSA Meets Canadian standards
			BINP	T8 high-performance ballast, normal ballast factor (.88), instant start ⁵	NOM Meets Mexican standards
			BSNP	T8 high-performance ballast, normal ballast factor (.87), step-dim programmed start, 2-lamp only ⁶	EL14 Emergency battery pack

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

NOMINAL SIZE	SERIES	NUMBER OF LAMPS	LAMP TYPE	CONFIGURATIONS		HEIGHT ¹ IN. (CM)
				NUMBER OF CELLS (ROWS X NUMBER IN ROW)		
1'x4'	PMO	1	32	9 (1x9)		7-1/4 (18.4)
1'x4'	PMO	2	32	9 (1x9)		7-1/4 (18.4)
2'x2'	2PMO	3	17, U31, CF40	12 (3x4)		6 (15.2)
2'x2'	2PMO	2	17, U31, CF40	12 (3x4)		6 (15.2)
2'x4'	2PMO	3	32	27 (3x9)		6 (15.2)
2'x4'	2PMO	2	32	27 (3x9)		6 (15.2)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Some options increase fixture depth. Consult factory if plenum depth is a factor.
- See Configurations table for lamp and cell compatibility.
- Consult www.lithonia.com for available options.
- Available only with CSA option.
- Consult www.lithonia.com for additional high-performance ballast options.
- Not available in 347V.

9PMO

Optimax®



Intended Use

Ideal for corridors, stack lighting or wallwash indoor applications where superior glare control is important.

Construction

Superior performance provided with a 9" aperture design.

Available in three distribution patterns: symmetric, asymmetric and bi-asymmetric, for efficient and precise illumination.

Asymmetric distribution provides uniform wallwash for

improved spatial brightness and visual brightness.

Symmetric distribution meets the industry's most rigorous standards for VDT lighting applications.

Bi-asymmetric distribution delivers high-angle light distribution on two vertical surfaces parallel to luminaire.

Complements design and style of other Optimax® and Paramax® products.

Electrical

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards optional. NOM Certified – optional.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: 9PMO G B 2 32 10LD MVOLT GEB10IS

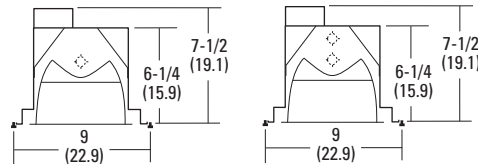
Series	Trim	Air function	Number of lamps	Lamp type	Number of cells/Louver
9PMO 9" wide	G Lay-in grid	B No air function	1	32 32W T8 (48")	Number of cells
	F Flanged	A Air supply/return	2		Louver
	GF Grid trim ends and flange sides		Not included.		10 1 row of 10
	GF1 Grid trim ends, one grid side and one flange side				LS Low-iridescent anodized specular silver LD Low-iridescent anodized diffuse silver
Distribution	Voltage	Ballast	Lamp color	Options ¹	
(blank) Symmetric	MVOLT	GEB10IS T8 electronic ballast, ≤10% THD, instant start	LP835 Lamped with 800 series, 3500°K	EL Emergency battery pack	
ASY Asymmetric	347 ²	GEB10RS T8 and CF electronic ballast, ≤10% THD, programmed rapid start	LP735 Lamped with 700 series, 3500°K	CSA Meets Canadian standards	
BIAS Bi-asymmetric		BINP T8 high-performance ballast, normal ballast factor (.88), instant start ³	L835HT8 Lamped with 3100 lumen, long life, 3500°K	NOM Meets Mexican standards	
		BSNP T8 high-performance ballast, normal ballast factor (.87), step-dim programmed start, 2-lamp only ⁴	L841HT8 Lamped with 3100 lumen, long life, 4100°K		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS					
NOMINAL SIZE	SERIES	NUMBER OF LAMPS	LAMP TYPE	NUMBER OF CELLS	HEIGHT IN. (CM)
9"x4'	9PMO	1	32	10	7-1/2 (19.1)
9"x4'	9PMO	2	32	10	7-1/2 (19.1)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Consult www.lithonia.com for available options.
- 2 Available only with CSA option.
- 3 Consult www.lithonia.com for additional high-performance ballast options.
- 4 Not available in 347V.

PRODUCT INFORMATION

2PM3N

Paramax®



Intended Use
High-performance parabolic luminaires for light control, visual comfort and light cutoff in open area indoor applications.

Construction
Contoured housing for light control.

Design optimized for use with T8 lamps and electronic ballasts.

Hemmed sides and ends provide smooth edges for easy handling during installation.

Integral T-bar safety clips standard.

Premium-grade aluminum louvers in choice of finishes, shipped in thermally sealed polyethylene wrapper.

Mitered corners and interlocking construction assure precise parabolic shape.

Choice of cell configuration and lamping.

Compatible with most common ceiling types.

Electrical
Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: 2PM3N G B 3 32 18LD MVOLT 1/3 GEB10IS

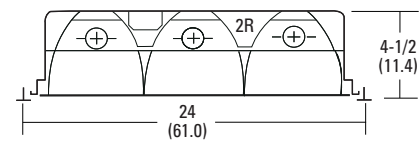
Series	Trim	Air function	Number of lamps ⁶	Lamp type ⁶	Number of cells/Louver	Voltage ▶▶▶	
2PM3N	2' wide	G Lay-in grid	B No air function	2	17 17W T8 (24")	Number of cells	MVOLT 347 ⁴
		F Flanged	A Air supply/return	3	32 32W T8 (48")	Louver	
		ST Screw slot	D Dual function supply/return/heat removal	4	CF40 40W TTS (24")	LD Low-iridescent anodized diffuse silver	
				Not included.	U31 31W T8 U (1-5/8" leg)	LS Low-iridescent anodized specular silver	
				U316 31W T8 U (6" leg) ²	6		
					9		
					12		
					16		
					18		
					24		
					32		

Ballast configuration		Ballast	Lamp color	Options ^{1,3}
(blank)	1- and/or 2-lamp ballasts per Lithonia Lighting standards	GEB10IS T8 and CF electronic ballast, ≤10% THD, instant start	L830HT8 Long life, 3000°K	EL Emergency battery pack
1/3	One 3-lamp ballast	GEB10RS T8 and CF electronic ballast, ≤10% THD, programmed rapid start	L835HT8 Long life, 3500°K	EL14 Emergency battery pack
1/4	One 4-lamp ballast	BINP T8 high-performance ballast, normal ballast factor (.88), instant start ⁵	L841HT8 Long life, 4100°K	ACS Air closure strips
		BSNP T8 high-performance ballast, normal ballast factor (.87), step-dim programmed start, 2-lamp only ⁷	LP735 700 series, 3500°K	PWS1836 6' prewire, 3/8" diameter, 18-gauge, one circuit
			LP741 700 series, 4100°K	CSA Meets Canadian standards
			LP835 800 series, 3500°K	NOM Meets Mexican standards

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

NOMINAL SIZE	SERIES	NUMBER OF LAMPS	LAMP TYPE	CONFIGURATIONS		HEIGHT ³ IN. (CM)
				NUMBER OF CELLS (ROWS X NUMBER IN ROW)		
2'x2'	2PM3N	2	17, U31, CF40	6 (2x3), 9 (3x3), 12 (4x3), 16 (4x4)		4-1/2 (11.4)
2'x2'	2PM3N	2	U316	6 (2x3), 9 (3x3), 12 (3x4)		4-1/2 (11.4)
2'x2'	2PM3N	3	17, U31, CF40	9 (3x3), 16 (4x4)		4-1/2 (11.4)
2'x2'	2PM3N	4	17, CF40	9 (3x3), 12 (4x3), 16 (4x4)		4-1/2 (11.4)
2'x4'	2PM3N	2	32	12 (2x6), 18 (3x6)		4-1/2 (11.4)
2'x4'	2PM3N	3	32	18 (3x6), 24 (3x8)		4-1/2 (11.4)
2'x4'	2PM3N	4	32	12 (2x6), 16 (2x8), 18 (3x6),		4-1/2 (11.4)
2'x4'	2PM3N	4	32	24 (4x6), 32 (4x8)		4-1/2 (11.4)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Consult www.lithonia.com for available options.
- Not available on 3-lamp fixtures. Use U31.
- Some options increase fixture height. Consult factory if plenum height is a factor.
- Available only with CSA option.
- Consult www.lithonia.com for additional high-performance ballast options.
- See Configurations table for lamp and cell compatibility.
- Not available in 347V.

PM3

Paramax®



Intended Use

High-performance parabolic luminaires for light control, visual comfort and light cut-off in open area indoor applications.

Construction

Contoured housing for light control.

Design optimized for use with T8 lamps and electronic ballasts.

Hemmed sides and ends provide smooth edges for easy handling during installation.

Integral T-bar safety clips standard on most models.

Premium-grade aluminum louvers in choice of finishes, shipped in thermally sealed polyethylene wrapper.

Mitered corners and interlocking construction assure precise parabolic shape.

Choice of cell configuration and lamping.

Compatible with virtually all ceiling types.

Surface-mounted versions also available.

Some fixtures available in 20" and metric sizes. Consult factory.

Electrical

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: PM3 G B 2 32 8LD MVOLT GEB10IS

Series	Trim	Air function	Number of lamps ¹	Lamp type ¹	Number of cells/Louver	Voltage	
PM3 1' wide	G Lay-in grid	B No air function	1	17 17W T8 (24")	Number of cells	MVOLT	
4PM3 4' wide	F Flanged MT Modular fit-in	A Air supply/return D Dual function supply/return/heat removal	2	32 32W T8 (48")	3	LD Low-irresdescent anodized diffuse silver	347 ³
			3	CF40 40W TT5 (24")	4	LS Low-irresdescent anodized specular silver	
			4	U31 31W T8 U (1-5/8" leg)	6		
			6	U316 31W T8 U (6" leg)	8		
			8		9		
			Not included.		12		
					16		
					36		
					64		

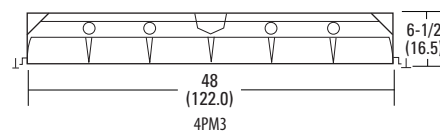
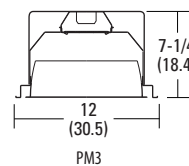
Ballast configuration	Ballast	Options ²
(blank) 1- and/or 2-lamp ballasts per Lithonia Lighting standards	GEB10IS T8 and CF electronic ballast, ≤10% THD, instant start	EL Emergency battery pack
1/3 One 3-lamp ballast	GEB10RS T8 and CF electronic ballast, ≤10% THD, programmed rapid start	EL14 Emergency battery pack
1/4 One 4-lamp ballast	BINP T8 high-performance ballast, normal ballast factor (.88), instant start ⁴	CSA Meets Canadian standards
	BSNP T8 high-performance, normal ballast factor (.87), step-dim programmed start, 2-lamp only ⁵	NOM Meets Mexican standards

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

NOMINAL SIZE	SERIES	CONFIGURATIONS			HEIGHT ⁶ IN. (CM)
		NUMBER OF LAMPS	LAMP TYPE	NUMBER OF CELLS (ROWS X NUMBER IN ROW)	
1'x2'	PM3	1, 2	17, U31, CF40	3 (1x3), 4 (1x4), 6 (2x3), 8 (2x4)	7-1/4 (18.4)
1'x2'	PM3	1	U316	3 (1x3), 4 (1x4), 6 (2x3), 8 (2x4)	7-1/4 (18.4)
1'x4'	PM3	1, 2, 3	32	6 (1x6), 8 (1x8), 9 (1x9)	7-1/4 (18.4)
1'x4'	PM3	2	32	12 (2x6), 16 (2x8)	7-1/4 (18.4)
4'x4'	4PM3	6	32	36 (6x6), 64 (8x8)	6-1/2 (16.5)
4'x4'	4PM3	8	32	36 (6x6), 64 (8x8)	6-1/2 (16.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See Configurations table for lamp and cell compatibility.
- Consult www.lithonia.com for available options.
- Available only with CSA option.
- Consult www.lithonia.com for additional high-performance ballast options.
- Not available in 347V.
- Some options increase fixture height. Consult factory if plenum height is a factor.

PRODUCT INFORMATION

2PM3

Paramax®



Intended Use
High-performance deep-cell parabolic luminaires for light control, visual comfort and light cutoff in open area applications.

Construction
Black reveal provides floating louver appearance and conceals optional air-supply slots. Optional heat-removal dampers and air-pattern control blades allow airflow control.

Overlapping flange and modular ceiling trims are factory-installed with standard swing-gate hangers

or are field-convertible with optional trim and hangers.

Housing formed from cold-rolled steel. Louvers formed from anodized aluminum. No asbestos is used in this product.

Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

Optics
Choice of diffuse or specular louvers utilize the latest developments in louver

finishing for minimized louver iridescence. Models available to meet IES RP-1 minimum luminance criteria for office lighting systems in VDT applications. Optimax® products are available to meet preferred criteria.

Electrical
Thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA Certified ballast is standard. Electronic ballasts are sound rated A.

Luminaire is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

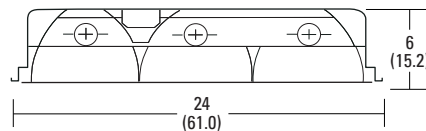
Example: 2PM3 G B 3 32 18LD MVOLT 1/3 GEB10IS

Series	Trim	Air function	Number of lamps ¹	Lamp type ¹	Number of cells/Louver	Voltage ▶▶▶
2PM3 Paramax® 3" deep cell parabolic, 2' wide	G Lay-in grid	B No air function	2	17 17W T8 (24")	Number of cells	MVOLT 347 ⁶
	F Flanged	A Air supply/return	3	32 32W T8 (48")	Louver	
	ST Screw slot	D Dual function supply/return/heat removal	4	CF40 40W TT5 (24")	LD Low-iridescent anodized diffuse silver	
			6	U31 31W T8 U (1-5/8" leg)	LS Low-iridescent anodized specular silver	
			Not included.	U316 31W T8 U (6" leg)		
					6 9 12 16 18 24 32	
Ballast configuration		Ballast	Lamp color	Options ²		
(blank)	1- and/or 2-lamp ballasts per Lithonia Lighting standards	GEB10IS T8 and CF electronic ballast, ≤10% THD, instant start	LP835 800 series, 3500°K ⁵ LP735 700 series, 3500°K ⁴	EL Emergency battery pack EL14 Emergency battery pack (nominal 1400 lumens) PWS1836 6' prewire, 3/8" dia., 18-gauge, 1 circuit	ACS Air closure strips (A and D models only) APB Air-pattern control blades (A and D models only) CSA Meets Canadian standards NOM Meets Mexican standards	
1/3	One 3-lamp ballast	GEB10RS T8 and CF electronic ballast, ≤10% THD, programmed rapid start	LP741 700 series, 4100°K	GLR Internal fast-blow fuse ³ GMF Internal slow-blow fuse ³		
1/4	One 4-lamp ballast	BINP T8 high-performance ballast, normal ballast factor (.88), instant start ⁷				

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

NOMINAL SIZE	SERIES	CONFIGURATIONS		
		NUMBER OF LAMPS	LAMP TYPE	NUMBER OF CELLS (ROWS X NUMBER IN ROW)
2'x2'	2PM3	2, 3, 4	CF40	6 (2x3), 9 (3x3), 12 (3x4), 16 (4x4)
2'x2'	2PM3	2, 3	U31	6 (2x3), 9 (3x3), 12 (3x4), 16 (4x4)
2'x2'	2PM3	2	U316	6 (2x3), 9 (3x3), 12 (3x4), 16 (4x4)
2'x2'	2PM3	2, 3, 4	17	6 (2x3), 9 (3x3), 12 (3x4), 16 (4x4)
2'x4'	2PM3	2, 3, 4, 6	32	12 (2x6), 16 (2x8), 18 (3x6), 24 (4x6), 32 (4x8)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See Configurations table for lamp and cell compatibility.
- Consult www.lithonia.com for available options.
- Must specify voltage.
- 32 T8 lamps only.
- Not available with U316 lamp.
- Available only with CSA option.
- Consult www.lithonia.com for additional high-performance ballast options.

2PM4 2PM2

Paramax®



Intended Use

Louvered (2PM4 deep-cell) parabolic luminaires for use in open-area indoor applications where optical control, visual comfort and light cut-off are important.

Construction

4"-deep, (2PM2: 2"-deep), premium-grade aluminum louvers in choice of finishes, shipped in thermally sealed polyethylene wrapper.

Design optimized for use with T8 lamps and electronic ballasts.

Hemmed sides and ends provide smooth edges for easy handling during installation.

Integral T-bar safety clips standard.

Mitered louver corners and interlocking construction assure precise parabolic shape.

Choice of cell configuration and lamping.

Compatible with virtually all ceiling types and air functions.

PM2: Contoured housing for superior light control.

Electrical

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed, CUL Listed or CSA Certified to Canadian standards – optional. NOM certified – optional.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: 2PM4 G B 3 32 18LD MVOLT 1/3 GEB10IS

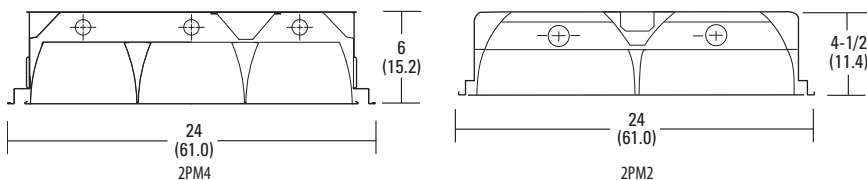
Series	Trim	Air function	Number of lamps ¹	Lamp type ¹	Number of cells/Louver	Voltage		
2PM4	Paramax®	G Lay-in grid F Flanged ST Screw slot	B No air function A Air supply/return D Dual function supply/return/ heat removal	2 3 4 Not included.	17 17W T8 (24")	Number of cells Louver LD Low-iridescent anodized diffuse silver LS Low-iridescent anodized specular silver	MVOLT 347 ³	
	4" deep, cell louver parabolic, 2' wide				U31 31W T8 U (1-5/8" leg)			6
					U316 31W T8 U (6" leg) ²			9
2PM2	Paramax®	2" deep, cell louver parabolic, 2' wide		32 32W T8 (48")	12			
					CF40 40W TTS (24")		16	
							18	
							24	
							32	
Ballast configuration		Ballast	Options^{6,7}					
(blank)	1- and/or 2-lamp ballasts per Lithonia Lighting standards	GEB10IS	T8 electronic ballast, ≤10% THD, instant start		EL	Emergency battery pack		
1/3	One 3-lamp ballast	GEB10RS	T8 electronic ballast, ≤10% THD, programmed rapid start		EL14	Emergency battery pack		
1/4	One 4-lamp ballast	BINP	T8 high-performance ballast, normal ballast factor (.88), instant start ⁴		CSA	Meets Canadian standards		
		BSNP	T8 high-performance ballast, normal ballast factor (.87), step-dim programmed start, 2-lamp only ⁵		NOM	Meets Mexican standards		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

NOMINAL SIZE	NUMBER OF LAMPS	LAMP TYPE	CONFIGURATIONS		2PM2 HEIGHT ⁷ IN. (CM)	2PM4 HEIGHT ⁷ IN. (CM)
			NUMBER OF CELLS (ROWS X NUMBER IN ROW)			
2'x2'	2	U316	6 (2x3), 9 (3x3), 12 (3x4), 16 (4x4)		4-1/2 (11.4)	6 (15.2)
2'x2'	2	17, U31, CF40	6 (2x3), 9 (3x3), 12 (4x3), 16 (4x4)		4-1/2 (11.4)	6 (15.2)
2'x2'	3	17, U31, CF40	9 (3x3), 12 (3x4), 16 (4x4)		4-1/2 (11.4)	6 (15.2)
2'x2'	4	17, CF40	6 (2x3), 9 (3x3), 12 (4x3), 16 (4x4)		4-1/2 (11.4)	6 (15.2)
2'x4'	2	32	12 (2x6), 16 (2x8), 18 (3x6), 24 (4x6), 32 (4x8)		4-1/2 (11.4)	6 (15.2)
2'x4'	3	32	18 (3x6), 24 (3x8), 32 (4x8)		4-1/2 (11.4)	6 (15.2)
2'x4'	4	32	12 (2x6), 16 (2x8), 18 (3x6), 24 (4x6), 32 (4x8)		4-1/2 (11.4)	6 (15.2)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See Configurations table for lamp and cell compatibility.
- Not available on three-lamp fixtures. Use U31.
- Available only with CSA option.
- Consult www.lithonia.com for additional high-performance ballast options.
- Not available in 347V.
- Consult www.lithonia.com for other options.
- Some options increase fixture depth. Consult factory if plenum depth is a factor.

PRODUCT INFORMATION

HPM3

Paramax®



Intended Use
High-performance parabolic troffer for office lighting systems in VDT applications.

Construction
High-efficiency 1'x4' Paramax® fixtures.

Lamps stacked vertically for uniform louver brightness

in multi-level switching applications.

Design optimized for use with T8 lamps and electronic ballasts.

Hemmed sides and ends provide smooth edges for easy handling during installation.

Integral T-bar safety clips standard.

Choice of louver finish and air function. Consult factory.

Compatible with virtually all ceiling types. Available in surface-mount versions.

Electrical
Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

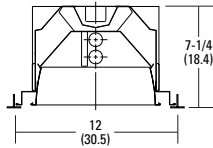
Example: HPM3 G B 2 32 8LD MVOLT GEB10IS

Series	Trim	Air function	Number of lamps	Lamp type	Number of cells/Louver	Voltage	Ballast configuration	Ballast	Options ¹
HPM3	1' wide	G Lay-in grid	2	32 32W T8 (48")	Number of cells	347 ²	(blank)	GEB10IS T8 electronic ballast, ≤10% THD, instant start	EL Emergency battery pack
		F Flanged							
		A Air supply/return	8	LS Low-iridescent anodized specular silver	1/3	1- and/or 2-lamp ballasts per Lithonia Lighting standards	LP835 Lamped with 800 series, 3500°K lamp	CSA Meets Canadian standards	
		D Dual function supply/return/heat removal	9						1/4
						BSNP T8 high-performance, normal ballast factor (.87), step-dim programmed start, 2-lamp only ⁴			

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Consult www.lithonia.com for available options.
- 2 Available only with CSA option.
- 3 Consult www.lithonia.com for additional high-performance ballast options.
- 4 Not available in 347V.

PRODUCT INFORMATION

20PM3

Paramax®

20"



Intended Use
High-performance deep-cell parabolic luminaires for superior light control, visual comfort and light cutoff in open area applications.

Construction
20"x2" models also available using straight, U-bent or compact lamps.

Optional side-pans kit available for use in 2'x4' and 5'x5' ceiling openings. Black reveal provides floating louver

appearance, conceals optional air-supply slots. Optional heat-removal dampers and air-pattern control blades allow airflow control.

Overlapping flange and modular ceiling trims factory-installed with standard swing-gate hangers or field convertible with optional trim and hangers.

T-hinges die-formed for maximum strength.

Latches spring-loaded, concealed in reveal.

Housing formed from cold-rolled steel. Louvers formed from anodized aluminum. No asbestos is used in this product.

Electrical
Thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA certified ballast is standard. Electronic ballasts are sound rated A.

Luminaire is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

Ballast disconnect provided standard where required to comply with US and Canadian Electrical Codes.

Installation
UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

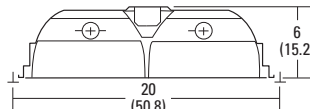
Example: 20PM3 G B 3 32 18LD MVOLT 1/3 GEB10IS

Series	Trim	Air function	Number of lamps ¹	Lamp type	Number of cells/Louver	Voltage	Ballast configuration	Ballast	Options					
20PM3	20" wide	G Lay-in grid	2	17 17W T8 (24")	Number of cells	347 ²	(blank)	GEB10IS T8 and CF electronic ballast, ≤10% THD, instant start	EL Emergency battery pack					
		F Flanged								3	LD Low-iridescent anodized diffuse silver	LP835 Lamped with 800 series, 3500°K lamp		
		MT Modular fit-in								4			LS Low-iridescent anodized specular silver	CSA Meets Canadian standards
		ST Screw slot												
		D Dual function supply/return/heat removal		1/4	1- and/or 2-lamp ballast per Lithonia Lighting standards	GEB10RS T8 and CF electronic ballast, ≤10% THD, programmed rapid start	NOM Meets Mexican standards							
				U31 31W T8 U (1-5/8", leg)	9									
				32 32W T8 (48")	12									
					16									
					18									

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 6" wide U-lamps not available.
- 2 Available only with CSA option.

Louvered

PRODUCT INFORMATION

Intended Use

Surface-mounted parabolic luminaires designed to control screen glare in VDT open office environments.

Surface or stem-mounting. A perfect companion to Optimax® recessed luminaires.

Floating louver appearance with full black reveal.

Provides optimum light control to eliminate objectionable glare on VDT screens caused by reflections from overhead lighting.

standard where required to comply with U.S. and Canadian electrical codes.

Construction

Optimax® light-controlling optical assembly.

Standard exterior finish is gloss white.

Full top cover available.

Electrical

Ballast disconnect provided

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

PMOX
Optimax®



Example: 2PMOX 3 32 27LS MVOLT 1/3 GEB10IS

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Series	Number of lamps	Lamp type ¹	Number of cells/Louvers		Voltage	Ballast configuration	Ballast	Options ²	
			Number of cells	Louvers				EL	CSA
PMOX	1' wide	17	17W T8 (24")	9	LD	347³	GEB10RS	T8 and CF electronic ballast, ≤10% THD, programmed rapid start	EL Emergency battery pack
2PMOX	2' wide	32	32W T8 (48")	12	LD	1/3	GEB10IS	T8 and CF electronic ballast, ≤10% THD, instant start	CSA Meets Canadian standards
		CF40	40W TT5 (24")	27	LS		BINP	T8 High-performance ballast, normal ballast factor (.88), instant start ⁴	NOM Meets Mexican standards
		U31	31W T8 U (1-5/8" leg)				BSNP	T8 High-performance ballast, normal ballast factor (.87), step-dim programmed start, 2-lamp only ⁵	

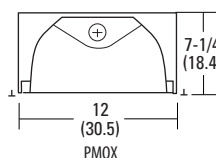
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS

NOMINAL SIZE	SERIES	NUMBER OF LAMPS	LAMP TYPE	NUMBER OF CELLS (ROWS X NUMBER IN ROW)	HEIGHT IN. (CM)
1'x4'	PMOX	1, 2	32	9 (1x9)	7-1/4 (18.4)
2'x2'	2PMOX	2, 3	17, U31, CF40	12 (3x4)	6-1/8 (15.6)
2'x4'	2PMOX	2, 3	32	27 (3x9)	6-1/8 (15.6)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See Configurations table for lamp and cell compatibility.
- Consult www.lithonia.com for available options.
- Available only with CSA option.
- Consult www.lithonia.com for additional high-performance ballast options.
- Not available in 347V.

PRODUCT INFORMATION

Intended Use

High-performance surface-mounted parabolic luminaires for superior light control, visual comfort and light cutoff in open area indoor applications.

Paramax® 3" premium-grade aluminum louver.

For surface or stem mounting. A perfect companion to Paramax® recessed luminaires.

Choice of size, lampping, cell configuration and louver finish.

Floating louver appearance with full black reveal.

Standard exterior finish is gloss white. Full top cover available.

Electrical

Ballast disconnect provided standard where required to comply with U.S. and

Canadian electrical codes.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

PM3X
Paramax®



Example: 2PM3X 3 32 18LD MVOLT 1/3 GEB10IS

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Series	Number of lamps	Lamp type ¹	Number of cells/Louvers		Voltage	Ballast configuration	Ballast	Options ²	
			Number of cells	Louvers				EL	CSA
PM3X	1' wide	17	17W T8 (24")	9	LD	347³	GEB10IS	T8 and CF electronic ballast, ≤10% THD, instant start	EL Emergency battery pack
2PM3X	2' wide	32	32W T8 U (1-5/8" leg)	12	LD	1/3	GEB10RS	T8 and CF electronic ballast, ≤10% THD, programmed rapid start	CSA Meets Canadian standards
		U316	31W T8 U (6" leg)	4	LS		BINP	T8 high-performance ballast, normal ballast factor (.88), instant start ⁴	NOM Meets Mexican standards
HPM3X	1' wide	6	32W T8 (48")	8	32	1/4	BSNP	T8 high-performance ballast, normal ballast factor (.87), step-dim programmed start, 2-lamp only ⁵	
		8	40W TT5 (24")	9	36				
		Not included.		12	64				

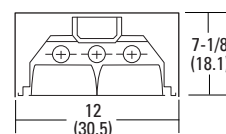
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS

NOMINAL SIZE	SERIES	NUMBER OF LAMPS	LAMP TYPE	NUMBER OF CELLS (ROWS X NUMBER IN ROW)	HEIGHT ² IN. (CM)
1'x4'	PM3X	1, 2, 3	32	6 (1x6), 8 (1x8), 9 (1x9)	7-1/8 (18.1)
1'x4'	PM3X	2	32	12 (2x6), 16 (2x8)	7-1/8 (18.1)
1'x4'	HPM3X	1, 2	32	6 (1x6), 8 (1x8), 9 (1x9)	6-5/8 (16.8)
2'x2'	2PM3X	2	17, U31, CF40, U316	6 (2x3), 9 (3x3), 12 (4x3), 16 (4x4)	6-1/8 (15.6)
2'x2'	2PM3X	3	17, U31, CF40	9 (3x3), 12 (3x4), 16 (4x4)	6-1/8 (15.6)
2'x2'	2PM3X	4	17, CF40	9 (3x3), 12 (4x3), 16 (4x4)	6-1/8 (15.6)
2'x4'	2PM3X	2, 4	32	12 (2x6), 16 (2x8), 18 (3x6), 24 (4x6), 32 (4x8)	6-1/8 (15.6)
2'x4'	2PM3X	3	32	18 (3x6), 24 (3x8), 32 (4x8)	6-1/8 (15.6)
4'x4'	4PM3X	6, 8	32	36 (6x6), 64 (8x8)	6-1/2 (16.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See Configurations table for lamp and cell compatibility.
- Consult www.lithonia.com for available options.
- Available only with CSA option.
- Consult www.lithonia.com for additional high-performance ballast options.
- Not available in 347V.

PRODUCT INFORMATION

PARABOLICS

2'x2', 2'x4'



Intended Use

Designed for use in open area applications where optical control, visual comfort and light cut-off are important.

Construction

Hemmed sides and ends provide smooth edges for easy handling during installation.

Mitered corners and interlocking construction assure precise parabolic-shaped louver.

Integral T-bar safety clips hold fixture to T-bar securely; no fasteners required.

Heavy-gauge hinges die-formed for maximum strength.

Spring-action latches concealed in black reveal.

Semi-specular (diffuse) louver finish.

CONTRACTOR
SELECT

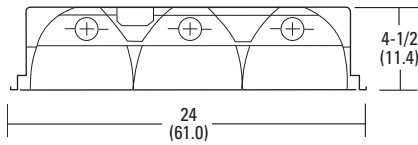
ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	NUMBER OF LAMPS	LAMP TYPE	VOLTAGE	BALLAST	PRE-WIRE	LAMP INCLUDED	LAMP COLOR
PT2U MV	2x2 recessed, static	2	32 U-lamp	120 - 277	NEMA Premium®, instant start	N	N	-
PT2UA MV	2x2 recessed, supply/return air w/closure strips	2	32 U-lamp	120 - 277	NEMA Premium®, instant start	N	N	-
PT2UALW MV	2x2 recessed, supply/return air w/closure strips	2	32 U-lamp	120 - 277	NEMA Premium®, instant start	Y	Y	700 series, 3500° K
PT3 2MV	2x4 recessed, static	3	32	120 - 277	NEMA Premium®, instant start	N	N	-
PT3 MV	2x4 recessed, static	3	32	120 - 277	NEMA Premium®, instant start	N	N	-
PT3A MV	2x4 recessed, supply/return air w/closure strips	3	32	120 - 277	NEMA Premium®, instant start	N	N	-
PT3L MV	2x4 recessed, static	3	32	120 - 277	NEMA Premium®, instant start	N	Y	700 series, 3500° K
PT3LW MV	2x4 recessed, static	3	32	120 - 277	NEMA Premium®, instant start	Y	Y	700 series, 3500° K
PT3ALW MV	2x4 recessed, air	3	32	120 - 277	NEMA Premium®, instant start	Y	Y	700 series, 3500° K

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

Intended Use

Recessed lensed fixture for grid T-bar ceilings.

Construction

Unique doorframe design features a mechanical light seal that does not require foam gasketing. Smooth hemmed sides and smooth ends promote easy, safe handling during installation.

Large, easy-to-position integral T bar clips are

designed into the end plate for securely attaching the fixture to Tbar system.

100% acrylic lens with prism pattern.

Low-profile design ideal for restricted plenum applications.

Electrical

Fixtures equipped with T8 instant start electronic ballasts for use on 120/277V circuits. Ballasts operate energy-

saving, full-wattage F32T8 lamps down to 25W. Where applicable ("L" designation), factory-installed lamps are T8 700 series. Ballasts are sound-rated A and suitable for starting at 0° F. This ballast meets all requirements of ANSI C 82.11 Consolidated 2002.

Listings

UL Listed.

TROFFERS



CONTRACTOR
SELECT

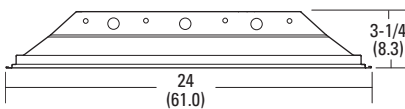
ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	NUMBER OF LAMPS	LAMP TYPE	NUMBER OF BALLASTS	VOLTAGE	BALLAST	PRE-WIRED	LAMP INCLUDED	LAMP COLOR
GT2 MV	2'x4' recessed troffer	2	32	1	120 - 277	NEMA Premium®, instant start	N	N	-
GT3 2MV	2'x4' recessed troffer	3	32	2	120 - 277	NEMA Premium®, instant start	N	N	-
GT3 MV	2'x4' recessed troffer	3	32	1	120 - 277	NEMA Premium®, instant start	N	N	-
GT3L MV	2'x4' recessed troffer	3	32	1	120 - 277	NEMA Premium®, instant start	N	Y	700 series, 3500° K
GT3L41 MV	2'x4' recessed troffer	3	32	1	120 - 277	NEMA Premium®, instant start	N	Y	700 series, 4100° K
GT3LW MV	2'x4' recessed troffer	3	32	1	120 - 277	NEMA Premium®, instant start	Y	Y	700 series, 3500° K
GT4 2MV	2'x4' recessed troffer	4	32	2	120 - 277	NEMA Premium®, instant start	N	N	-
GT4 MV	2'x4' recessed troffer	4	32	1	120 - 277	NEMA Premium®, instant start	N	N	-
GT4L MV	2'x4' recessed troffer	4	32	1	120 - 277	NEMA Premium®, instant start	N	Y	700 series, 3500° K
GT4L41 MV	2'x4' recessed troffer	4	32	1	120 - 277	NEMA Premium®, instant start	N	Y	700 series, 4100° K
GT4L41W MV	2'x4' recessed troffer	4	32	1	120 - 277	NEMA Premium®, instant start	Y	Y	700 series, 4100° K
GT4LW MV	2'x4' recessed troffer	4	32	1	120 - 277	NEMA Premium®, instant start	Y	Y	700 series, 3500° K
GT2U MV	2'x2' recessed troffer	2	32-U lamp	1	120 - 277	NEMA Premium®, instant start	N	N	-

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

SP5 SP8

Static



Intended Use
Specification premium, high-performance, static T5/T8 luminaires provide general illumination for recessed indoor applications; ideal for restricted plenum spaces.

Construction
Innovative low-profile design optimized around T5/T8 lamps, low-profile electronic ballasts and T5/T8 compact sockets.

Hemmed sides provide smooth edges for easy handling during installation.

Standard steel door frame features precise flush-mitered corners.
Unique door frame design delivers a premium extruded appearance.
Housing and door frame interface provides a superior mechanical light seal without the use of foam gasketing.
Standard rotary cam latch. Door latches and hinges from either side.

Improved performance – higher fixture efficiency and reduced lamp image.
Integral T-bar safety clips are standard; no need to install separate clips.
Aluminum door frames available, flush or regressed.
Compatible with virtually all ceiling types. Field trim modification kits also available.

Electrical
Ballast disconnect provided standard where required

to comply with U.S. and Canadian electrical codes.
Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.
SP8: Protected by one or more of U.S. Patent Nos. 6,210,025; 6,231,213; 6,213,625; 2,288,471.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: 2SP8 G 3 32 A12 MVOLT 1/3 GEB10IS

Series	Trim	Number of lamps ¹	Lamp type ¹	Door	Diffuser	Voltage
SP5	1' wide G Grid F Flanged	1	SP5	(blank)	A12	MVOLT
			SP8			
2SP5	2' wide	2	14T5 14W T5 (22")	FN	A15	347 ^{3,4}
			24T5HO 24W T5HO (22")	FM	A12125	
SP8	1' wide	3	U31 31W T8 U (1-5/8" leg)	FW	RA125	
			28T5 28W T5 (46")			
2SP8	2' wide	4	U316 31W T8 U (6" leg) ²	RM	K20	
			54T5HO 54W T5HO (46")			
		6	CF40 40W TTS (24")		PC2S	
					PC3S	

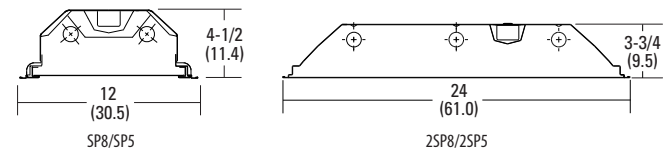
Ballast configuration	Ballast	Lamp color	Options
(blank)	1- and/or 2-lamp ballast per Lithonia standards	LP735 Lamped with 700-series 3500°K	EL Emergency battery pack ⁷
1/3	One 3-lamp ballast	LPM835P Lamped with premiere, 800 series 3500°K	GLR Internal fast-blow fuse ⁸
1/4	One 4-lamp ballast	LP835 Lamped with 800-series 3500°K	GMF Internal slow-blow fuse ⁸
		LP841 Lamped with 800-series 4100°K	PWS1836 6' prewire, 3/8" dia., 18-gauge, 1 circuit
			PWS1846 6' prewire, 3/8" dia., 18-gauge, 2 circuit

Ballast	Options
SP5	JP JP palletized and stretch-wrapped without individual cartons; grid trim only
GEB95	CSA Meets Canadian standards
GEB95S	NOM Meets Mexican standards
GEB10PS	
GEB115	
GEB115S	
S5	

PRODUCT INFORMATION For additional product information, visit www.lithonia.com.

NOMINAL SIZE	SERIES	NUMBER OF LAMPS	CONFIGURATIONS		
			LAMP TYPE	HEIGHT IN. (CM)	BALLAST
1'x4'	SP8	1, 2, 3	32	4-1/2 (11.4)	GEB10IS, GEB10RS, BINP, BPNP
2'x2'	2SP8	2	17, U31, U316	3-3/4 (9.5)	GEB10IS, GEB10RS, BINP, BPNP
2'x2'	2SP8	2, 3	CF40	3-3/4 (9.5)	GEB10IS, GEB10RS
2'x2'	2SP8	4	17	3-3/4 (9.5)	GEB10IS, GEB10RS, BINP, BPNP
2'x4'	2SP8	2, 3, 4, 6	32	3-3/4 (9.5)	GEB10IS, GEB10RS, BINP, BPNP
2'x2'	2SP8	3	17, U31	3-3/4 (9.5)	GEB10IS, GEB10RS, BINP, BPNP
1'x4'	SP5	1, 2	54T5HO	4-1/2 (11.4)	GEB10PS
1'x4'	SP5	1	28T5	4-1/2 (11.4)	GEB10PS
1'x4'	SP5	2	28T5	4-1/2 (11.4)	GEB95, GEB95S, GEB115, GEB115S, GEB10PS
2'x2'	2SP5	2, 4	14T5	3-3/4 (9.5)	GEB115, GEB115S
2'x2'	2SP5	2, 3	14T5	3-3/4 (9.5)	GEB10PS
2'x2'	2SP5	2, 3	24T5HO	3-3/4 (9.5)	GEB10PS
2'x4'	2SP5	2, 3, 4	54T5HO	3-3/4 (9.5)	GEB10PS
2'x4'	2SP5	2, 4	28T5	3-3/4 (9.5)	GEB95, GEB95S, GEB10PS, GEB115, GEB115S
2'x4'	2SP5	3	28T5	3-3/4 (9.5)	GEB10PS

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See Configurations table for lamp and ballast compatibility.
- SP8 fixtures: Not available on 3-lamp fixtures. Use U31.
- SP5 fixtures: For 347, use GEB95S or GEB10PS.
- Available only with CSA option.
- SP5 fixtures: SIMPLY5™ system includes 13' S5 RELOC® wiring system. Specify voltage unless HW (hardwire) or PWS1836 is ordered. For 2SP5 two-lamp 28T5 and 14T5 only.
- Consult www.lithonia.com for additional high-performance ballast options.
- Consult www.lithonia.com for available options.
- Must specify voltage.

GT8

Static



Intended Use
Low-profile, static T8 luminaire provides general illumination for recessed indoor applications. Ideal for restricted plenums.

Construction
Innovative low-profile design optimized around T8 lamps and low-profile electronic ballasts.

Hemmed sides provide smooth edges for easy handling during installation.

Standard steel door frame features precise flush mitered corners and spring-action latches.

Unique design delivers a premium extruded appearance.

Housing and door frame interface provides a superior mechanical light seal without the use of foam gasketing.

Improved performance – higher fixture efficiency.

Integral T-bar safety clips are standard – no need to install separate clips.

Aluminum door frames available, flush or regressed.

Compatible with most ceiling types. Field trim modification kits also available.

Electrical
Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

Protected by one or more of U.S. Patent Nos. 6,210,025; 6,231,213; 2,288,471.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: 2GT8 4 32 A12 MVOLT 1/4 GEB10IS

Series	Trim	Number of lamps ¹	Lamp type ¹	Door	Diffuser	Voltage		
GT8	1' wide	(blank)	Grid	1	17 17W T8 (24")	(blank) Flush steel, white	A12 #12 pattern acrylic	MVOLT
2GT8	2' wide	F	Flanged	2	32 32W T8 (48")	FN Flush aluminum, natural	A12125 #12 pattern acrylic, .125" thick	347 ⁵
				3	CF40 40W TT5 (24") ²	FM Flush aluminum, matte black	A19 #19 pattern acrylic, .156" thick	
				4	U31 31W T8 U (1-5/8" leg)	FW Flush aluminum, white	PC15 1/2"x1/2"x1/2" plastic cube louver, silver	
		Not included.			U316 31W T8 U (6" leg) ²	RN Regressed aluminum, natural	PC25 1-1/2"x1-1/2"x1" plastic cube louver, silver with flange ³	
						RM Regressed aluminum, matte black	PC3S 3/4"x3/4"x1/2" plastic cube louver, silver	
						RW Regressed aluminum, white		

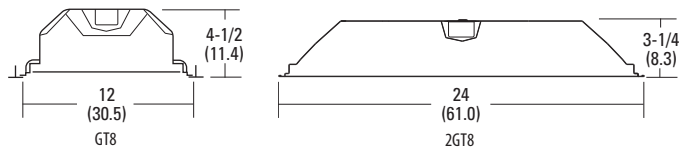
Ballast configuration	Ballast	Lamp color	Options
(blank) 1- and/or 2-lamp ballasts per Lithonia Lighting standards	GEB10IS T8 and CF electronic ballast, ≤10% THD, instant start	LP735 Lamped with 700 series, 3500° K	EL Emergency battery pack ⁴
1/3 One 3-lamp ballast	GEB10RS T8 and CF electronic ballast, ≤10% THD, programmed rapid start	LP741 Lamped with 700 series, 4100° K	PWS1836 6' prewire, 3/8" dia., 18-gauge, 1 circuit
1/4 One 4-lamp ballast	BINP T8 high-performance ballast, normal ballast factor (.88), instant start ⁶		CSA Meets Canadian standards
	BPNP T8 high-performance ballast, normal ballast factor (.88), program rapid start		NOM Meets Mexican standards

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS				
NOMINAL SIZE	SERIES	NUMBER OF LAMPS	LAMP TYPE	HEIGHT IN.(CM)
1'x4'	GT8	1, 2, 3	32	4-1/2 (11.4)
2'x2'	2GT8	2	17, U31, U316, CF40	3-1/4 (8.3)
2'x2'	2GT8	3	17, U31	3-1/4 (8.3)
2'x2'	2GT8	4	17	3-1/4 (8.3)
2'x4'	2GT8	2, 3, 4	32	3-1/4 (8.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See Configurations table for lamp compatibility.
- Not available on 3-lamp fixtures. Use U31.
- Available with flush door frames only. Some 2x2 lamp and electrical combinations not available with PC2 louvers. Consult factory.
- Consult www.lithonia.com for available options.
- Available only with CSA option.
- Consult www.lithonia.com for additional high-performance ballast options.

PRODUCT INFORMATION

SP

Static Air-Handling



Intended Use
Complete selection of specification premium air-handling luminaires recommended for all recessed general illumination applications.

Construction
Fully gasketed door frame with spring-loaded latches.

Full black reveal has floating door appearance.

Aluminum door frames available; flush or regressed. Air-flow control available with optional heat removal

dampers and air pattern control blades.

Integral T-bar safety clips are standard on 1'x4', 2'x2' and 2'x4' fixtures. No need to install separate clips.

Compatible with virtually all ceiling types. Field trim modification kits also available.

Some fixtures available in 20" and metric sizes. Consult factory.

Electrical
Ballast disconnect provided standard where required

to comply with U.S. and Canadian electrical codes.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: 2SP G A 3 32 A12 MVOLT 1/3 GEB10IS LP735

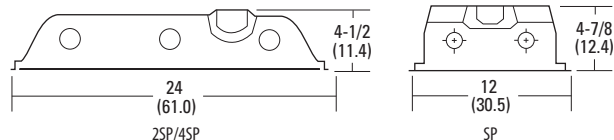
Series	Trim	Air function	Number of lamps ³	Lamp type ³	Door	Diffuser type ⁵	Voltage
SP 1' wide	G Grid	(blank) Static, no reveal	1	17 17W T8 (24")	(blank) Flush steel, white	A12 #12 pattern acrylic	MVOLT
2SP 2' wide	F Flanged	B No air function (with reveal)	2	32 32W T8 (48")	FN Flush aluminum, natural	A12125 #12 pattern acrylic, 0.125" thick	347 ⁸
4SP 4' wide ^{1,6}	ST Screw slot ^{1,2}	A Air supply/return	3	CF40 40W TT5 (24")	FM Flush aluminum, matte black	A19 #19 pattern acrylic, 0.156" thick	
		H Heat removal	4	U31 31W T8 U (1-5/8" leg)	FW Flush aluminum, white	PC1S 1/2"x1/2"x1/2" plastic cube louver, silver ⁷	
		D Dual function supply/ return/ heat removal	6	U316 31W T8 U (6" leg) ⁴	RN Regressed aluminum, natural	PC2S 1-1/2"x 1-1/2"x1" plastic cube louver, silver with flange ⁷	
			8		RM Regressed aluminum, matte black	PC3S 3/4"x3/4"x1/2" plastic cube louver, silver ⁷	
			Not included.		RW Regressed aluminum, white	K20 #20 pattern acrylic, .140" thick	
						84Y Holophane 8224 with overlay	

Ballast configuration	Ballast	Lamp color	Options
(blank) 1- and/or 2-lamp ballasts per Lithonia Lighting standards	GEB10IS T8 and CF electronic ballast, ≤10% THD, instant start	LP735 Lamped with 700 series, 3500°K	EL Emergency battery pack ¹⁰
1/3 One 3-lamp ballast	GEB10RS T8 and CF electronic ballast, ≤10% THD, programmed rapid start	LP741 Lamped with 700 series, 4100°K	PWS1836 6' prewire, 3/8" dia., 18-gauge, 1 circuit
1/4 One 4-lamp ballast	BINP T8 high-performance ballast, normal ballast factor (.88), instant start ⁹		JP Job pack without individual cartons, G trim only
2/3 Two 3-lamp ballasts	BPNP T8 high-performance ballast, normal ballast factor (.88), programmed rapid start		LATC T-bar clips
2/4 Two 4-lamp ballasts			CSA Meets Canadian standards
			NOM Meets Mexican standards

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS				
NOMINAL SIZE	SERIES	NUMBER OF LAMPS	LAMP TYPE	HEIGHT IN. (CM)
1'x4'	SP	1, 2, 3	32	4-7/8 (12.4)
2'x2'	2SP	2	17, U31, U316, CF40	4-1/2 (11.4)
2'x2'	2SP	3	17, U31, CF40	4-1/2 (11.4)
2'x2'	2SP	4	17, CF40	4-1/2 (11.4)
2'x4'	2SP	2, 3, 4	32	4-1/2 (11.4)
4'x4'	4SP ^{5,6}	4, 6, 8	32	5 (12.7)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Not available with flush steel door.
- Not available with static fixtures. Consult factory for fixture height.
- See Configurations table for lamp compatibility.
- Not available on 3-lamp fixtures. Use U31.
- Center mullion standard on 4SP AIR. 4'x4' lens optional.
- Integral T-bar clips not available. Use LATC option.
- Not available with air handling.
- Available only with CSA option.
- Consult www.lithonia.com for additional high-performance ballast options.
- Consult www.lithonia.com for available options.

SP

Small-Cell Louvers Static Air-Handling



Intended Use

Specification premium air-handling luminaires recommended for all indoor general illumination applications.

Construction

Premium-grade troffer with architectural small-cell aluminum louvers.

Choice of 1-1/2" and 3/4" deep cells.

Louver available in low-iridescent silver or low-iridescent diffuse anodized finish.

Full black reveal and floating louver when air function is specified.

Integral T-bar clips standard on 1'x4', 2'x2' and 2'x4' fixtures. Eliminates the need to install separate clips.

Spring action latches standard.

Some fixtures available in metric sizes. Consult factory.

Electrical

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: 2SP G D 3 32 10515LD MVOLT 1/3 GEB10IS

Series	Trim	Air function	Number of lamps ¹	Lamp type ¹	Louver type	Louver finish
SP 1' wide ³	G Grid	(blank) Static, no reveal	1	17 17W T8 (24")	<u>1'X4'</u>	LD Low-iridescent anodized diffuse silver
2SP 2' wide	F Flanged	B No air function (with reveal)	2	32 32W T8 (48")	1315 13 cells, 1-1/2" deep	LS Low-iridescent anodized specular silver
		A Air supply/return	3	CF40 40W TT5 (24")	2615 26 cells, 1-1/2" deep	
		H Heat removal	4	U31 31W T8 U (1-5/8" leg)	4915 49 cells, 1-1/2" deep	
		D Dual function supply/return/ heat removal	6	U316 31W T8 U (6" leg) ²	3915 39 cells, 1-1/2" deep	
			Not included.		4515 45 cells, 1-1/2" deep	
					18675 186 cells, 3/4" deep	
					<u>2'X2'</u>	7815 78 cells, 1-1/2" deep
					3615 36 cells, 1-1/2" deep	10515 105 cells, 1-1/2" deep
					4915 49 cells, 1-1/2" deep	37775 377 cells, 3/4" deep
					<u>2'X4'</u>	

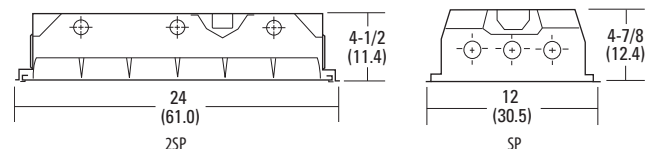
Voltage	Ballast configuration	Ballast	Lamp color	Options
MVOLT 347 ⁵	(blank) 1- and/or 2-lamp ballasts per Lithonia Lighting standards	GEB10IS T8 and CF electronic ballast, ≤10% THD, instant start	LP835 Lamped with 800 series, 3500° K	EL Emergency battery pack ⁴
	1/3 One 3-lamp ballast	GEB10RS T8 and CF electronic ballast, ≤10% THD, programmed rapid start	LP741 Lamped with 700 series, 4100° K	PWS1836 6' prewire, 3/8" dia., 18-gauge, 1 circuit
	1/4 One 4-lamp ballast	BINP T8 high-performance ballast, normal ballast factor (.88), instant start ³	LP735 Lamped with 700 series, 3500° K	CSA Meets Canadian standards
		BPNP T8 high-performance ballast, normal ballast factor (.88), program med rapid start		NOM Meets Mexican standards

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS				
NOMINAL SIZE	SERIES	NUMBER OF LAMPS	LAMP TYPE	HEIGHT IN.(CM)
1'x4'	SP	1, 2, 3	32	4-7/8 (12.4)
2'x2'	2SP	2	17, U31, U316, CF40	4-1/2 (11.4)
2'x2'	2SP	3	17, U31, CF40	4-1/2 (11.4)
2'x2'	2SP	4	17, CF40	4-1/2 (11.4)
2'x4'	2SP	2, 3, 4, 6	32	4-1/2 (11.4)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See Configurations table for lamp compatibility.
- Not available on 3-lamp fixtures. Use U31.
- Consult www.lithonia.com for additional high-performance ballast options.
- Consult www.lithonia.com for available options.
- Available only with the CSA option.

PRODUCT INFORMATION

MRT



Intended Use

The MRT troffer retrofit kit is designed to fit easily in most commercial fluorescent troffers to provide maximum efficiency and full, even lamp imaging below. This series delivers high light levels for general lighting retrofits of normally spaced 2'x4', 2'x2' and 1'x4' recessed troffer fixtures. Typical applications include classrooms, offices, hospitals and commercial areas.

Features

Reflectors are precision-formed aluminum for optimal performance. Segmented reflectors are available in a variety of finishes with choice of reflectances (standard shown below; consult factory for additional finishes). Reflector optics offer varying photometric distributions and spacing criteria to best meet application and budget requirements.

Socket brackets are white pre-painted die-formed aluminum and are designed to fit in most troffers. Socket brackets may be mounted either to end plates or to the top panel of the existing fixture.

Installs quickly and easily using only four self-tapping screws (included). All products ship as components packaged in job packs for minimal waste at the installation site. Consult factory for component job-pack quantities.

Lamps are secured with rotary locking lamp sockets for ease of relamping and to withstand vibration or incidental contact. Lamp socket accepts #18ga. wire (solid, solder-dipped or twisted-tinned).

Listings

UL/CUL classified (standard except for 347V; consult factory for NOM availability).

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: 2MRT 2 32

Series	Number of lamps ¹	Lamp type	Voltage	Ballast ¹	Reflector ¹
MRT 1' wide ²	1	17 17WT8 (24")	(blank) No ballast, instant start ³	(blank) No ballast	(blank) White powder coat, normal beam
2MRT 2' wide	2	32 32WT8 (48")	L/BRS No ballast, rapid start	T8	SSR Specular spread beam 95% reflective
		14T5 14WT5 (22")	MVOLT Multi-volt	BINP T8 high-performance ballast, normal ballast factor (.88), instant start	
		28T5 28WT5 (46")	347 347V ⁴	BILP T8 high-performance ballast, normal ballast factor (.78), instant start	
		24T5HO 24WT5HO (22")		BIHP T8 high-performance ballast, normal ballast factor (1.20), instant start	
		54T5HO 54WT5HO (46")		T5	
				GEB95 Ballast factor .95, program start	
				T5HO	
				GEB10PS Ballast factor 1.0, program start	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Notes

- All components (reflectors, sockets, socket brackets and lamps) ship separately in bulk quantities. Consult factory for details.
- 1'x4' troffer internal dimensions can vary greatly. Please consult factory before ordering 1'x4' kits to ensure compatibility with host fixture.
- When no ballast is selected, standard lampholders shipped will be instant start (IS) sockets. If rapid start (RS) sockets are required, select "L/BRS".
- Consult factory for ballast availability / compatibility.

M



Intended Use

Surface or stem-mounted lensed fixture for general illumination in commercial offices and indoor retail applications.

Construction

Die-formed, cold-rolled steel housing finished with baked white enamel.

Standard door is fully gasketed flush steel with sturdy tee hinges and opposing, rotary-action cam latches.

Spring-loaded latches optional.

Aluminum doors available, flush or regressed with choice of finish.

For surface or stem mounting, unit or row installation.

For unit mounting on stems: Minimum of two mounting stems required on 1'x4' models. Four stems required on 2'x4' models and 4'x4' models.

For row mounting on stems: Use half the number of stems required for unit mounting except on last fixture in row.

Example: on 2'x4' two-lamp and four-lamp fixtures, use two stems per fixture plus two per row.

Electrical

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian Standards. NOM Certified – optional.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: 2M 2 32 RW A19 MVOLT GEB10IS

Series	Number of lamps ³	Lamp type ³	Door	Diffuser	Voltage
M 1' wide	1	17 17W T8 (24")	(blank) Flush steel, white	A12 #12 pattern acrylic	MVOLT
2M 2' wide	2	32 32W T8 (48")	FN Flush aluminum, natural	A12125 #12 pattern acrylic, .125" thick	347 ⁶
4M 4' wide ⁴	3 ¹	CF40 40W TTS (24")	FM Flush aluminum, matte black	A19 #19 pattern acrylic, .156" thick	
	4	U31 31W T8 U (1-5/8" leg)	FW Flush aluminum, white	PC1S Parabolic plastic cube louver, specular silver	
	6	U316 31W T8 U (6" leg) ²	RN Regressed aluminum, natural		
	8		RM Regressed aluminum, matte black		
	Not included.		RW Regressed aluminum, white		

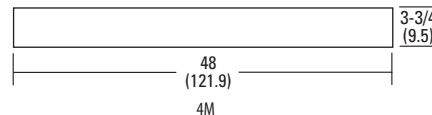
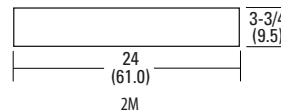
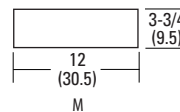
Ballast configuration	Ballast	Lamp color	Options
(blank) 1- and/or 2-lamp ballasts per Lithonia Lighting standards	GEB10IS T8 and CF electronic ballast, ≤10% THD, instant start	LP735 Lamped with 700 series, 3500° K	EL Emergency battery pack ⁵
1/3 One 3-lamp ballast	GEB10RS T8 and CF electronic ballast, ≤10% THD, programmed rapid start		CSA Meets Canadian standards
1/4 One 4-lamp ballast			NOM Meets Mexican standards

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS						
NOMINAL SIZE	SERIES	NUMBER OF LAMPS	LAMP TYPE	LENGTH IN.(CM)	WIDTH IN.(CM)	HEIGHT IN.(CM)
1'x4'	M	1, 2, 3	32	48 (121.9)	12 (30.5)	3-3/4 (9.5)
2'x2'	2M	1, 2	U316	24 (61.0)	24 (61.0)	3-3/4 (9.5)
2'x2'	2M	2, 3	17, U31, CF40	24 (61.0)	24 (61.0)	3-3/4 (9.5)
2'x2'	2M	4	17, CF40	24 (61.0)	24 (61.0)	3-3/4 (9.5)
2'x4'	2M	2, 3, 4	32	48 (121.9)	24 (61.0)	3-3/4 (9.5)
4'x4'	4M	4, 6, 8	32	48 (121.9)	48 (121.9)	3-3/4 (9.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Stem mounting not available on 3-lamp 2x4 models.
- 2 Not available on 3-lamp models. Use U31.
- 3 See Configurations table for lamp compatibility.
- 4 Center mullion standard on 4M.
- 5 Consult www.lithonia.com for available options.
- 6 Available only with CSA option.

AW



Intended Use
For surface ceiling-mount or suspended applications that require a low-profile architectural appearance. Provides high vertical and horizontal illumination for walkways, corridors, offices and retail applications.

Construction
Flat-bottom acrylic prismatic diffuser with sonic-welded, injection-molded, luminous ends.

Diffuser held by four torsion springs. Hinges or latches from either side for easy cleaning and service.

Choice of width; models available with two, three or four lamps. For 5-1/4" width, see companion CA Series.

Optional high-impact-resistant acrylic (AR) diffuser includes 50% DR additive for strength.

Two 4' diffusers provided on tandem models.

White housing standard. Matte black optional.

For surface or stem mounting, unit or row installation. For stem mounting on two-lamp and four-lamp models, order two stem accessories. Three-lamp models not available for stem mounting.

Electrical
Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards—optional. NOM Certified—optional.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: AW 2 32 AR MVOLT GEB10IS

Series ¹	Number of lamps	Lamp type	Diffuser	Voltage	Ballast configuration
AW Standard width	2	28T5 28W T5 (46") ⁶	(blank) Prismatic	MVOLT	(blank) 1- and/or 2- lamp ballasts per Lithonia Lighting standards
2AW Two lamps in wide housing	3	32 32W T8 (48")	AR High-impact prismatic	347 ²	1/3 One 3-lamp ballast
	4	54T5HO 54W T5 (46") ⁶			1/4 One 4-lamp ballast
	Not included.				

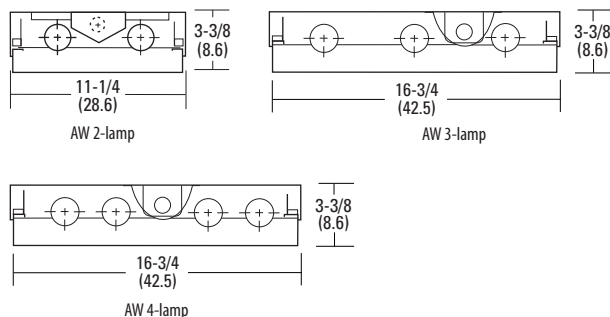
Ballast	Options
GEB10IS T8 electronic ballast, ≤10% THD, instant start	EL Emergency battery pack ^{4,5}
GEB10RS T8 electronic ballast, ≤10% THD, programmed rapid start	MB Matte black
GEB10PS T5 electronic ballast ≤10% THD, programmed rapid start	CSA Meets Canadian standards
BINP T8 high-performance ballast, normal ballast factor (.88), instant start ³	NOM Meets Mexican standards

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

SERIES	CONFIGURATIONS					
	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE	LENGTH IN. (CM)	WIDTH IN. (CM)	HEIGHT IN. (CM)
AW	2	2	32, 28T5, 54T5HO	48 (121.9)	11-1/4 (28.6)	3-3/8 (8.3)
AW	3	3	32, 28T5, 54T5HO	48 (121.9)	16-3/4 (42.5)	3-3/8 (8.3)
AW	4	4	32, 28T5, 54T5HO	48 (121.9)	16-3/4 (42.5)	3-3/8 (8.3)
2AW	2	2	32, 28T5, 54T5HO	48 (121.9)	16-3/4 (42.5)	3-3/8 (8.3)
TAW	2	4	32	96 (243.8)	11-1/4 (28.6)	3-3/8 (8.3)
TAW	3	6	32	96 (243.8)	16-3/4 (42.5)	3-3/8 (8.3)
TAW	4	8	32	96 (243.8)	16-3/4 (42.5)	3-3/8 (8.3)
T2AW	2	4	32	96 (243.8)	16-3/4 (42.5)	3-3/8 (8.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For tandem double-length unit, add prefix T. Example: TAW.
- Available only with CSA option.
- Consult www.lithonia.com for additional high-performance ballast options.
- Consult www.lithonia.com for available options.
- T8 4' fixtures only.
- T5 configurations not available in tandem lengths.

CA



Intended Use

For surface ceiling-mount applications where a narrow-profile architectural appearance is desired. Ideal for areas such as corridors or stairwells where narrow width is important.

Construction

Companion to AW Series, only 5-1/4" wide.

Choice of flat-bottom diffusers – prismatic acrylic or matte

white opal acrylic. Both available in high-impact versions.

Diffuser held by four torsion springs. Hinges open from either side for easy cleaning and service.

Slim, low-profile housing for ceiling or wall mounting.

White housing standard. Matte black optional.

For surface or stem mounting, unit or row installation. For stem mounting on two-

lamp and four-lamp, order two stem accessories.

Electrical

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards—optional. NOM Certified—optional.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: CA 2 32 MVOLT GEB10IS

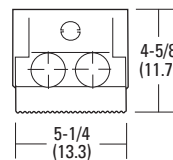
Series ¹	Number of lamps	Lamp type	Diffuser	Voltage	Ballast configuration
CA	1	14T5 14W T5 (22")	(blank) Prismatic	MVOLT 347 ²	(blank) 1- and/or 2-lamp ballasts per Lithonia Lighting standards 1/4 One 4-lamp ballast
	2 Not included.	17 17W T8 (24")	AR High-impact prismatic		
		21T5 21W T5 (34") ⁵	ACW Matte white		
		25 25W T8 (36")	AWR High-impact matte white		
		28T5 28W T5 (46") ⁵			
32 32W T8 (48")					
Ballast				Options	
GEB10IS T8 electronic ballast, ≤10% THD, instant start				EL Emergency battery pack ⁴	
GEB10RS T8 electronic ballast, ≤10% THD, programmed rapid start				MB Matte black	
GEB10PS T5 electronic ballast, ≤ 10% THD, programmed rapid start				CSA Meets Canadian standards	
BINP T8 high-performance ballast, normal ballast factor (.88), instant start ³				NOM Meets Mexican standards	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

SERIES	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	CONFIGURATIONS			
			LAMP TYPE	LENGTH IN. (CM)	WIDTH IN. (CM)	HEIGHT IN. (CM)
CA	1	1	17, 14T5	24-1/2 (62.2)	5-1/4 (13.3)	4-5/8 (11.7)
CA	2	2	17, 14T5	24-1/2 (62.2)	5-1/4 (13.3)	4-5/8 (11.7)
CA	1	1	25, 21T5	36-1/2 (92.7)	5-1/4 (13.3)	4-5/8 (11.7)
CA	2	2	25, 21T5	36-1/2 (92.7)	5-1/4 (13.3)	4-5/8 (11.7)
CA	1	1	32, 28T5	48-1/2 (123.2)	5-1/4 (13.3)	4-5/8 (11.7)
CA	2	2	32, 28T5	48-1/2 (123.2)	5-1/4 (13.3)	4-5/8 (11.7)
TCA	1	2	32	97 (246.4)	5-1/4 (13.3)	4-5/8 (11.7)
TCA	2	4	32	97 (246.4)	5-1/4 (13.3)	4-5/8 (11.7)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For tandem double-length unit, add prefix T. Example: TCA.
- Available only with CSA option.
- Consult www.lithonia.com for additional high-performance ballast options.
- Consult www.lithonia.com for available options.
- T5 configurations not available in tandem lengths.

PRODUCT INFORMATION

LB



Intended Use

For surface ceiling-mount applications requiring a clean, decorative appearance. Provides high vertical illumination and brightness control.

Construction

Acrylic prismatic diffuser with sonic-welded, injection-molded, luminous ends. Matches CB Series in appearance.

White enamel end plates.

Linear side prisms control brightness; pyramidal bottom prisms minimize lamp image.

Continuous, interlocking-diffuser support prevents accidental opening and simplifies cleaning and service.

For surface or stem mounting, unit or row installation. Snap-in aligners permit row mounting without tools.

For surface ceiling-mount, two stems required. For row installation, one stem accessory per fixture plus one per row required. Three-lamp models not available for stem mounting. Stem mounting not available on TLB.

Electrical

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards—optional. NOM Certified—optional.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: LB 2 32 MVOLT GEB10IS

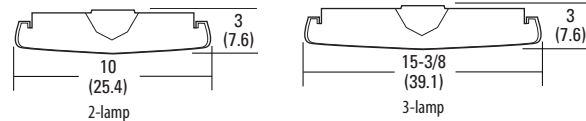
Series ¹	Number of lamps	Lamp type	Voltage	Ballast configuration
LB Standard width	2	14T5 14W T5 (22")	MVOLT	(blank) 1- and/or 2- lamp ballasts per Lithonia Lighting standards
2LB Two lamps in wide housing	3²	17 17W T8 (24")	347⁴	1/3 One 3-lamp ballast
	4	28T5 28W T5 (46")		1/4 One 4-lamp ballast
	Not included.	32 32W T8 (48")		
		54T5HO 54W T5 (46") ³		

Ballast	Options
GEB10IS T8 electronic ballast, ≤10% THD, instant start ³	EL Emergency battery pack ⁶
GEB10RS T8 electronic ballast, ≤10% THD, programmed rapid start	LSC Lens-securing clips for wall-mount fixtures; two per fixture
GEB10PS T5 electronic ballast, ≤ 10% THD, programmed rapid start ³	NOM Meets Mexican standards
BINP T8 high-performance ballast, normal ballast factor (.88), instant start ³	CSA Meets Canadian standards

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

SERIES	CONFIGURATIONS					
	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE	LENGTH IN. (CM)	WIDTH IN. (CM)	HEIGHT IN. (CM)
LB	2	2	17	24 (61.0)	10 (25.4)	3 (7.6)
LB	2	2	14T5	22 (55.9)	10 (25.4)	3 (7.6)
LB	4	4	17	24 (61.0)	15-3/8 (39.1)	3 (7.6)
LB	4	4	14T5	22 (55.9)	15-3/8 (39.1)	3 (7.6)
LB	2	2	32	48 (121.9)	10 (25.4)	3 (7.6)
LB	2	2	28T5, 54T5HO	46 (116.8)	10 (25.4)	3 (7.6)
LB	3	3	32	48 (121.9)	15-3/8 (39.1)	3 (7.6)
LB	3	3	28T5	46 (116.8)	15-3/8 (39.1)	3 (7.6)
LB	4	4	32	48 (121.9)	15-3/8 (39.1)	3 (7.6)
LB	4	4	28T5	46 (116.8)	15-3/8 (39.1)	3 (7.6)
2LB	2	2	32	48 (121.9)	15-3/8 (39.1)	3 (7.6)
2LB	2	2	28T5, 54T5HO	46 (116.8)	15-3/8 (39.1)	3 (7.6)
TLB	2	4	32	96 (243.8)	10 (25.4)	3 (7.6)
TLB	2	4	28T5, 54T5HO	92 (233.7)	10 (25.4)	3 (7.6)
TLB	3	6	32	96 (243.8)	15-3/8 (39.1)	3 (7.6)
TLB	3	6	28T5	92 (233.7)	15-3/8 (39.1)	3 (7.6)
TLB	4	8	32	96 (243.8)	15-3/8 (39.1)	3 (7.6)
TLB	4	8	28T5	92 (233.7)	15-3/8 (39.1)	3 (7.6)
T2LB	2	4	32	96 (243.8)	15-3/8 (39.1)	3 (7.6)
T2LB	2	4	28T5, 54T5HO	92 (233.7)	15-3/8 (39.1)	3 (7.6)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For tandem double-length unit, add prefix T. Example: TLB.
- Available with 28T5 and 32 only.
- Not available in three- and four-lamp configurations.
- Available only with CSA options.
- Consult www.lithonia.com for additional high-performance ballast options.
- Consult www.lithonia.com for available options.

CB

Intended Use

For surface ceiling-mount applications requiring a narrow profile and decorative appearance. Ideal for corridors or spaces where medium light levels in a compact design are preferred.

Construction

Acrylic prismatic diffuser with sonic-welded, injection-molded, luminous ends. Matches LB Series in appearance.

White enamel end plates.

Linear side prisms control brightness; pyramidal bottom prisms minimize lamp image.

Continuous, interlocking-diffuser support prevents accidental opening and simplifies cleaning and service.

For surface or stem mounting, unit or row installation. Snap-in couplers permit row mounting without tools.

For unit mounting, two stems are required. For row installation, one stem access-

sory per fixture plus one per row required.

Electrical

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian Standards—optional. NOM Certified—optional.



Example: CB 2 32 MVOLT GEB10IS

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

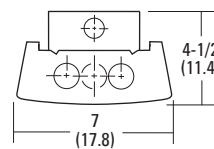
Series ¹	Number of lamps	Lamp type	Voltage	Ballast configuration
CB	1	14T5 14WT5 (22")	MVOLT	(blank) 1- and/or 2- lamp ballasts per Lithonia Lighting standards 1/4 One 4-lamp ballast
	2	17 17W T8 (24")		
	Not included.	28T5 28WT5 (46") ⁶		
		32 32W T8 (48")		
Ballast				Options
GEB10IS	T8 electronic ballast, ≤10% THD, instant start			EL Emergency battery pack ^{4,5}
GEB10PS	T5 electronic ballast, ≤10% THD, programmed rapid start			CSA Meets Canadian standards
BINP	T8 high-performance ballast, normal ballast factor (.88), instant start			NOM Meets Mexican standards
BPNP	T8 high-performance ballast, normal ballast factor (.88), programmed rapid start			

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

SERIES	CONFIGURATIONS					
	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE	LENGTH IN. (CM)	WIDTH IN. (CM)	HEIGHT IN. (CM)
CB	1	1	17, 14T5	24 (61.0)	7 (17.8)	4-1/2 (11.4)
CB	2	2	32, 28T5	48 (121.9)	7 (17.8)	4-1/2 (11.4)
TCB	1	2	32	96 (243.8)	7 (17.8)	4-1/2 (11.4)
TCB	2	4	32	96 (243.8)	7 (17.8)	4-1/2 (11.4)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For tandem double-length unit, add prefix T. Example: TCB.
- Available only with CSA option.
- Consult www.lithonia.com for additional high-performance ballast options.
- Consult www.lithonia.com for available options.
- T8 4' fixtures only.
- T5 configurations not available in tandem lengths.

SB



Intended Use
For surface ceiling-mount applications that require the clean appearance of a flat-bottom diffuser. Provides high light levels for storage rooms, offices or retail applications.

Construction
Flat-bottom acrylic prismatic diffuser. Matches CS Series in appearance.

Full-depth, white enamel end plates.

Linear side prisms control brightness; pyramidal

bottom prisms minimize lamp image.

Diffuser hinges open from either side for easy cleaning and service.

For surface or stem mounting (4' models only), unit or row installation.

For unit mounting, two stems are required. For row installation, one stem accessory per fixture plus one per row required.

Electrical
Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards. NOM Certified—optional.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: SB 2 32 MVOLT GEB10IS

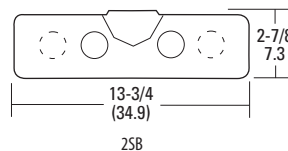
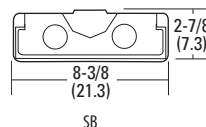
Series ^{1,2}	Number of lamps	Lamp type	Voltage	Ballast configuration
SB Standard width	2	17 17W T8 (24")	MVOLT	(blank) 1- and/or 2- lamp ballasts per Lithonia Lighting standards
2SB Two lamps in wide housing	4² Not included.	32 32W T8 (48")	347 ⁵	1/4 One 4-lamp ballast

Ballast	Options
GEB10IS T8 electronic ballast, ≤10% THD, instant start	EL Emergency battery pack ^{3,4}
GEB10RS T8 electronic ballast, ≤10% THD, programmed rapid start	CSA Meets Canadian standards
BINP T8 high-performance ballast factor (.88), instant start ⁶	NOM Meets Mexican standards
BPNP T8 high-performance ballast factor (.88), program med rapid start	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS						
SERIES	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE	LENGTH IN. (CM)	WIDTH IN. (CM)	HEIGHT IN. (CM)
SB	2	2	17	24 (61.0)	8-3/8 (21.2)	2-7/8 (7.3)
SB	2	2	32	48 (121.9)	8-3/8 (21.2)	2-7/8 (7.3)
SB	4	4	32	48 (121.9)	13-3/4 (34.9)	2-7/8 (7.3)
2SB	2	2	32	48 (121.9)	13-3/4 (34.9)	2-7/8 (7.3)
TSB	2	4	32	96 (243.8)	8-1/3 (21.2)	2-7/8 (7.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For tandem double-length unit, use prefix T. Example: TSB.
- Tandem not available with 2SB or SB four-lamp configurations.
- Consult www.lithonia.com for available options.
- Not available in 2' configurations.
- Available only with CSA option.
- Consult www.lithonia.com for additional high-performance ballast options.



Intended Use

For applications that require a narrow-profile design with flat-bottom diffuser. Provides medium light levels in a compact fixture.

Construction

Contemporary style with flat-bottom acrylic prismatic diffuser. Matches SB Series in appearance.

Linear side prisms control brightness. Pyramidal bottom prisms minimize lamp image.

Diffuser hinges open from either side for easy cleaning and service.

Two 4' diffusers provided on 8' units.

For surface or stem mounting, unit or row installation.

For surface ceiling-mount, two stems are required. For row installation, one stem accessory per fixture plus one per row required.

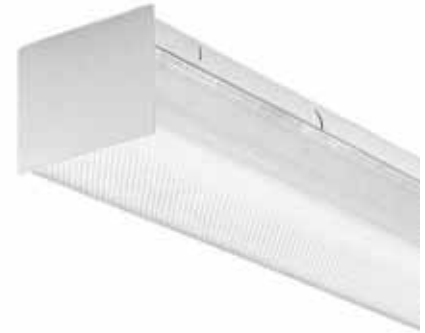
Suitable for wall mounting with diffuser mounting clips (included with fixture).

Electrical

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards—optional. NOM Certified—optional.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: CS 2 32 MVOLT GEB10IS

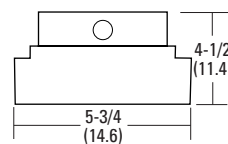
Series ¹	Number of lamps	Lamp type	Voltage	Ballast configuration
CS	1	14T5 14W T5(22")	MVOLT 347 ²	(blank) 1- and/or 2- lamp ballasts per Lithonia Lighting standards
	2	17 17W T8 (24")		1/4 One 4-lamp ballast
	Not included.	28T5 28W T5(46") ⁶		
		32 32W T8 (48")		
Ballast			Options	
GEB10IS	T8 electronic ballast, ≤10% THD, instant start		EL	Emergency battery pack ^{4,5}
GEB10RS	T8 electronic ballast, ≤10% THD, programmed rapid start		CSA	Meets Canadian standards
GEB10PS	T5 electronic ballast, ≤10% THD, programmed rapid start		NOM	Meets Mexican standards
BINP	T8 high-performance ballast, normal ballast factor (.88), instant start ³			

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

SERIES	CONFIGURATIONS					
	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE	LENGTH IN. (CM)	WIDTH IN. (CM)	HEIGHT IN. (CM)
CS	1	1	17, 14T5	24 (61.0)	5-3/4 (14.6)	4-1/2 (11.4)
CS	2	2	17, 14T5	24 (61.0)	5-3/4 (14.6)	4-1/2 (11.4)
CS	1	1	32, 28T5	48 (121.9)	5-3/4 (14.6)	4-1/2 (11.4)
CS	2	2	32, 28T5	48 (121.9)	5-3/4 (14.6)	4-1/2 (11.4)
TCS	1	2	32	96 (243.8)	5-3/4 (14.6)	4-1/2 (11.4)
TCS	2	4	32	96 (243.8)	5-3/4 (14.6)	4-1/2 (11.4)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For tandem double-length unit, add prefix T. Example: TCS.
- Available only with CSA options.
- Consult www.lithonia.com for additional high-performance ballast options.
- Consult www.lithonia.com for available options.
- T8 4' fixtures only.
- T5 configurations not available in tandem lengths.

PRODUCT INFORMATION

CLM

Classmate™



Intended Use
For applications where brightness and vertical illumination are beneficial. Ideal for schools and other applications that require high light levels.

Construction
High-impact, vandal-resistant acrylic diffuser with white, sonic-welded, injection-mold-

ed ends standard. Optional Holophane® injection-molded acrylic Controlens®.

Shielding is secured by spring-loaded metal latches; hinges open from either side.

For surface or stem mounting, unit or row installation. Unit installation requires

two single-stem hangers or one double-stem hanger on 4' units. Row installation requires one hanger per fixture plus one per row.

Rotary, anti-vibration lampholders standard.

Electrical
Ballast disconnect provided standard where required

to comply with U.S. and Canadian electrical codes.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards—optional. NOM Certified—optional.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

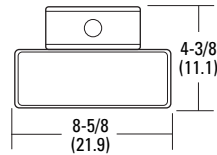
Example: CLM 2 32 MVOLT GEB10IS

Series ^{1,5}	Number of lamps	Lamp type	Diffuser ²	Voltage	Ballast configuration	Ballast	Options
CLM	1	32 32W T8 (48")	(blank) High-impact acrylic IM Holophane #7100 injection-molded acrylic	MVOLT 347 ⁴	(blank) 1- and/or 2- lamp ballasts per Lithonia Lighting standards	GEB10IS T8 electronic ballast, ≤ 10% THD, instant start	EL Emergency battery pack ³ CSA Meets Canadian standards NOM Meets Mexican standards
	2						
	3						
	Not included.						
					1/3 One 3-lamp ballast	BINP T8 high-performance ballast, normal ballast factor (.88), instant start	
				1/4 One 4-lamp ballast	BILP T8 high-performance ballast, low ballast factor (.79), instant start		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For double-length unit, add prefix T. Example: TCLM.
- Diffuser shipped separately.
- Consult www.lithonia.com for available options.
- Available only with CSA option.
- Consult www.lithonia.com for dimensions and lamp compatibility.

PRODUCT INFORMATION

VC



Intended Use
For surface-mount applications that require optimum optical control with low-brightness. Ideal for public areas such as schools, airports, libraries, retail stores and offices.

Construction
Injection-molded, flat-bottom acrylic prismatic

diffuser provides optimum controlled, low-brightness illumination. Linear side prisms control brightness. Pyramidal bottom prisms minimize lamp image.

Concealed latch system permits diffuser to be hinged from either side.

Design minimizes ceiling shadows and sharp contrasts.

For surface or stem mounting, individual or row installation. For row installation, one hanger per fixture plus one per row required.

End plates shipped as accessories, one pair required for individual or end-of-row mount.

Electrical
Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards—optional. NOM Certified—optional.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

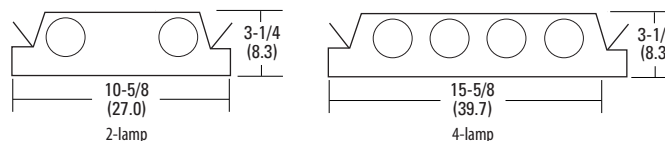
Example: VC 2 32 MVOLT GEB10IS

Series ^{1,4}	Number of lamps	Lamp type	Voltage	Ballast configuration	Ballast	Options
VC Standard width	2	32 32W T8 (48")	MVOLT 347 ³	(blank) 1- and/or 2-lamp ballasts per Lithonia Lighting standards	GEB10IS T8 electronic ballast, ≤ 10% THD, instant start	(blank) No end plates (for continuous runs)
2VC Two lamps in wide housing	4					
	Not included.				BINP T8 high-performance ballast, normal ballast factor (.88), instant start	VC4WH Two end plates, wide width, white (for individual fixture or end of row)
					BILP T8 high-performance ballast, low ballast factor (.79), instant start	EL Emergency battery pack ² CSA Meets Canadian standards NOM Meets Mexican standards

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For tandem double-length unit, add prefix T. Example: TVC.
- Consult www.lithonia.com for available options.
- Available only with CSA option.
- Consult www.lithonia.com for dimensions and lamp compatibility.

Intended Use
Small profile ideal for light commercial and residential applications.

Construction
One-piece channel/end plate design.

Acrylic prismatic diffuser lifts and shifts into place.

Intended for surface mounting, unit installation.

FCC Part 18 for commercial and residential applications.

Energy Star® qualified.

NARROW-BASKET WRAPS



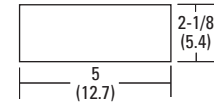
CONTRACTOR SELECT



ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	NUMBER OF LAMPS	LAMP TYPE	NUMBER OF BALLASTS	VOLTAGE	BALLAST	ENERGY STAR® QUALIFIED	LAMP INCLUDED
RB232	Economy wrap	2	32WT8	1	120	Electronic, instant start	Y	N

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

Intended Use
Designed for applications requiring the clean appearance of a flat-bottom diffuser.

Construction
100% acrylic prismatic diffuser hinges from both sides for easy maintenance.

Intended for surface or stem mounting, unit or row installation.

SQUARE-BASKET WRAPS



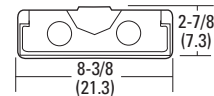
CONTRACTOR SELECT



ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	NUMBER OF LAMPS	LENGTH	NUMBER OF BALLASTS	LAMP TYPE	VOLTAGE	BALLAST	ENERGY STAR® QUALIFIED	LAMP INCLUDED
SB232 MV	Basket wrap	2	48"	1	32 32WT8	120-277	NEMA premium®, instant start	N	N
SB432 MV	Basket wrap	4	48"	1	32 32WT8	120-277	NEMA premium®, instant start	N	N
SB217 MV	Basket wrap	2	24"	1	17 17WT8	120-277	NEMA premium®, instant start	N	N
SB232	Basket wrap	2	48"	1	32 32WT8	120	Electronic, instant start	Y	N
SB432	Basket wrap	4	48"	1	32 32WT8	120	Electronic, instant start	Y	N
SB217	Basket wrap	2	24"	1	17 17WT8	120	Electronic, instant start	Y	N

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

Intended Use
Designed for applications requiring a clean, decorative appearance.

Construction
Provides high-angle brightness control acrylic prismatic

diffuser with luminous ends softens appearance.

Intended for surface or stem mounting, unit or row installation.

Snap-in aligners permit row mounting without tools.

CURVED-BASKET WRAPS

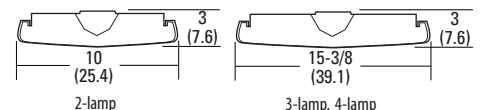


CONTRACTOR SELECT

ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	NUMBER OF LAMPS	LAMP TYPE	NUMBER OF BALLASTS	VOLTAGE	BALLAST	LAMP INCLUDED
LB232 MV	Profile wrap	2	32WT8	1	120-277	NEMA Premium®, instant start	N
LB432 MV	Profile wrap	4	32WT8	1	120-277	NEMA Premium®, instant start	N

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

UNDERCABINETS

T5
T8



Intended Use
Ideal for use in school, display or residential applications.

Separate, hingeable service tray for easy installation and maintenance.

Construction
Trim, low-profile design.

FCC part 18 for commercial and residential applications.

Snap-fit, shatter-resistant, milk-white diffuser.

Energy Star® qualified.

Rocker switch and paint-after-fabrication standard.

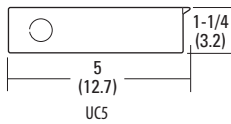
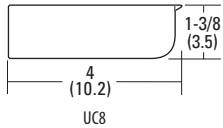


ORDERING INFORMATION

CATALOG NUMBER	NUMBER OF LAMPS	LENGTH	WATTAGE	NUMBER OF BALLAST	VOLTAGE	BALLAST	ENERGY STAR® QUALIFIED	LAMP INCLUDED	LAMP TYPE
UC512	1	12"	8W	1	120	Electronic, instant start	Y	Y	Preheat T5
UC521	1	21"	13W	1	120	Electronic, instant start	Y	Y	Preheat T5
UC524	2	24"	8W	1	120	Electronic, instant start	Y	Y	Preheat T5
UC533	2	33"	One 8W & one 13W	1	120	Electronic, instant start	Y	Y	Preheat T5
UC542	2	42"	13W	1	120	Electronic, instant start	Y	Y	Preheat T5
UC818	1	18"	15W	1	120	Electronic, instant start	Y	N	T8
UC824	1	24"	17W	1	120	Electronic, instant start	Y	N	T8
UC836	1	36"	25W	1	120	Electronic, instant start	Y	N	T8
UC848	1	48"	32W	1	120	Electronic, instant start	Y	N	T8

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

Undercabinet

Intended Use

For undercabinet applications that require additional shielding from direct glare. Ideal for offices, hospitals, laboratories and kitchens.

Paint-after-fabrication, gloss-white enamel finish on all metal parts.

Solid-front housing eliminates direct glare.

Snap-in, positive lens retention.

Proprietary, shatter-resistant diffuser provides optimum uniformity of light distribution.

Separate, hingeable service tray for easy installation

and maintenance - no tools required for relamping.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards—optional. NOM Certified—optional.

N2S
Finesse®



Construction

Trim, 1-5/8" low-profile design with a smooth fascia surface, free of knockouts.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

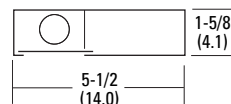
Example: N2S 32 MVOLT GEB10IS

Series	Lamp type ³	Voltage	Ballast	Options
N2S	17 17W T8 (24") ¹	MVOLT 347 ⁸	GEB10IS T8 electronic ballast, ≤10% THD, instant start	GLR Internal fast blow fuse ²
	25 25W T8 (36")		GEB10RS T8 electronic ballast, ≤10% THD, programmed rapid start	GMF Internal slow-blow fuse ²
	32 32W T8 (48")			CSW 6-foot, 3-wire grounded cordset, right end ^{3,4,5}
	Not included.			CO Convenience outlet, bottom right ^{3,6}
				SWR Rocker switch, bottom right ^{3,7}
				CSA Meets Canadian standards
				NOM Meets Mexican standards

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Not available with SWRC options.
- 2 Must specify voltage.
- 3 Available with 120V ballast only.
- 4 Not available with CO/COL.
- 5 Cordset must always be specified for installation on same end of fixture as switch location. For left end location, order CSWL. For back center, order CSWC.

- 6 Not available with CSW/CSWL/CSWC cordset options. For bottom left location, order COL.
- 7 For bottom left location, order SWRL. For bottom center, order SWRC.
- 8 Available only with CSA option.
- 9 Consult www.lithonia.com for dimensions and lamp compatibility.

PRODUCT INFORMATION

Undercabinet

Intended Use

For undercabinet or display lighting where a compact luminaire design is required. Provides medium light levels.

Construction

All-purpose profile. Available in four lengths. T8 or T12 lamp source.

Fastener-free show surface.

Separate, hingeable service tray for easy installation and maintenance; no tools required for relamping.

Flanged, shatter-resistant, milk-white diffuser.

Gloss-white enamel finish.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards—optional. NOM Certified—optional.

2UC



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

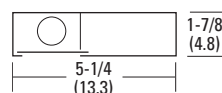
Example: 2UC 25 AR MVOLT GEB10PS

Series	Lamp type ³	Diffuser	Voltage	Ballast	Options
2UC	17 17W T8 (24")	(blank) Standard white	MVOLT 347 ⁴	GEB10IS T8 electronic ballast, ≤10% THD, instant start	SWR Rocker switch, installed ^{1,8}
	25 25W T8 (36")	AR High-impact white		GEB10RS T8 electronic ballast, ≤10% THD, programmed rapid start	GLR Internal fast-blow fuse ²
	32 32W T8 (48")	OP Opaque front, clear acrylic bottom		GEB10PS T5 electronic ballast, ≤10% THD, programmed rapid start	CSW 6-foot, 3-wire grounded cordset, right end ^{1,5,6}
	14T5 14W T5 (22")				CO Grounded convenience outlet ^{1,7}
	21T5 21W T5 (34")				RIF1 Radio interference filter (one per fixture)
	28T5 28W T5 (46")				CSA Meets Canadian standards
	Not included.			NOM Meets Mexican standards	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 120V only.
- 2 Must specify voltage.
- 3 Consult www.lithonia.com for dimensions and lamp compatibility.
- 4 Available only with CSA option.
- 5 Not available with CO/COL.
- 6 Cordset must always be specified for installation on same end of fixture as switch location. For left end location, order CSWL. For back center, order CSWC.
- 7 Not available with CSW/CSWL/CSWC cordset options. For bottom left location, order COL.
- 8 For bottom left location, order SWRL. For bottom center, order SWRC.

PRODUCT INFORMATION

WP



Intended Use
For applications that require a contemporary, low-profile appearance. Ideal for stairwells, restrooms, patient care lobbies or corridors.

Construction
Available in 2', 3' or 4' lengths with one or two lamps in cross-section.

All fabricated components of 20-gauge CRS. All metal parts finished after fabrication with electrostatically deposited, thermally set polyester powder paint.

Proprietary, snap-in diffuser of tinted 50% DR acrylic with prismatic pattern.

Direct or direct/indirect distribution available.

Detachable, hinged electrical service tray for easy installation and maintenance. No tools required for relamping.

Fluorescent and incandescent night-light capabilities.

Through-wire/row-mount capabilities.

Standard finish post-paint, gloss-white enamel on all metal parts. Optional architectural black, 40% gloss post-paint available as an option.

Electrical
Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards—optional. NOM Certified—optional.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: WP 2 32 MVOLT GEB10IS

Series	Number of lamps	Lamp type	Shielding ¹	Voltage	Ballast configuration	Ballast		
WP	1	14T5 14W T5 (22") ³	(blank) #12 pattern inverted, .125" thick acrylic, upright	MVOLT 347 ⁴	(blank) 1- and/or 2-lamp ballasts per Lithonia Lighting standards	GEB10IS T8 electronic ballast, ≤10% THD, instant start		
	2	17 17W T8 (24")	ACF125 Matte white flat acrylic, .125" thick, upright ²				2/1 Two 1-lamp ballasts	GEB10PS T5 electronic ballast, ≤10% THD, programmed rapid start
	Not included.	25 25W T8 (36")	PCL12125V #12 pattern inverted, .125" thick polycarbonate, upright ²					
		28T5 28W T5(46") ³						
		32 32W T8 (48")						
	54T5HO 54W T5HO(46") ³							

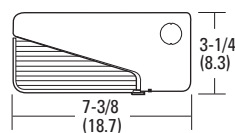
Options

- S1 Left-mounted on/off pull-switch (all lamps)⁵
- S2 Left-mounted on/off pull-switch for downlight, remote upright switching^{5,6,7}
- S4 Left-mounted four-position pull-switch (front only, rear only, all on, all off)^{5,6,7}
- BF Internal baffle to divide upright and downlight²
- SWR Rocker switch, bottom right⁵
- CO Grounded convenience outlet, right-mounted⁵
- EL Emergency battery pack^{8,10}
- MB Matte black
- RIF1 Radio interference filter (one per fixture)
- TPS Tamperproof screw
- DO Downlight only; solid-top metal housing
- CSA Meets Canadian standards
- NOM Meets Mexican standards

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS					
SERIES	NUMBER OF LAMPS	LAMP TYPE	LENGTH IN. (CM)	WIDTH IN. (CM)	HEIGHT IN. (CM)
WP	1, 2	17, 14T5	24-1/2 (62.2)	7-3/8 (18.7)	3-1/4 (8.3)
WP	1, 2	25, 21T5	36-1/2 (92.7)	7-3/8 (18.7)	3-1/4 (8.3)
WP	1, 2	32, 28T5, 54T5HO	48-1/2 (123.2)	7-3/8 (18.7)	3-1/4 (8.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Supplied with standard high-impact acrylic lower diffuser.
- 2 Not available with DO option.
- 3 T5 configurations require GEB10PS ballast and DO option.
- 4 Available only with CSA option.
- 5 120V only.
- 6 Requires BF option.
- 7 Requires 2/1 option for two-lamp fixtures.
- 8 Consult www.lithonia.com for available options.
- 9 Not available in 2' configurations.
- 10 Must specify DO option.

PRODUCT INFORMATION

Wall Brackets

WC

Intended Use

For multi-purpose areas such as corridors, utility rooms and lavatories where high vertical illumination is required.

Can be mounted vertically or horizontally. For individual or row mounting (RMT option).

Easy-maintenance design. Standard end caps are spring-loaded for easy diffuser removal; no tools required.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards—optional. NOM Certified—optional.

Construction

Available in 2', 3' and 4' models.

Steel housing with opal acrylic diffuser standard. Clear, prismatic #12 pattern acrylic lens and front metal fascia available.

Electrical

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.



Example: WC 2 32 MVOLT GEB10IS

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Series	Number of lamps	Lamp type	Diffuser	Voltage	Ballast	Options
WC	1	14T5 14W T5 (22")	(blank) Matte white opal acrylic	MVOLT 347 ¹	GEB10IS T8 electronic ballast, ≤ 10% THD, instant start	RMT Row mount ²
	2	17 17W T8 (24")	A12 #12 pattern acrylic			GEB10PS T5 electronic ballast, ≤ 10% THD, programmed rapid start
	Not included.	21T5 21W T5 (34")	FAC Matte white opal acrylic with front metal fascia		CO Grounded convenience outlet, lower right ³	
		25 25W T8 (36")	FA12 #12 pattern acrylic with front metal fascia		MB Architectural matte black finish	
		28T5 28W T5 (46")			EL Emergency battery pack ^{4,5}	
32	32W T8 (48")		CSA Meets Canadian standards			
					NOM Meets Mexican standards	

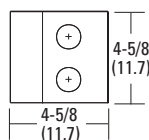
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS

SERIES	NUMBER OF LAMPS	LAMP TYPE	LENGTH IN. (CM)	WIDTH IN. (CM)	HEIGHT IN. (CM)
WC	1, 2	17, 14T5	24 (61.0)	4-5/8 (11.7)	4-5/8 (11.7)
WC	1, 2	25, 21T5	36 (91.4)	4-5/8 (11.7)	4-5/8 (11.7)
WC	1, 2	32, 28T5	48 (121.9)	4-5/8 (11.7)	4-5/8 (11.7)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available only with CSA options.
- 2 Includes continuous row joiner band. N/A with CSA; models requiring CSA labeling shipped standard with joiner band.
- 3 120V only.
- 4 Consult www.lithonia.com for available options.
- 5 Not available in 2' configurations.

PRODUCT INFORMATION

Wall Brackets

FCW

Intended Use

For wall or ceiling mounting – vertical or horizontal. Ideal for stairwells, corridors, lavatories or any utility application.

Available with infrared or ultrasonic occupancy sensor.

provide superior adhesion and corrosion resistance.

Installation

End caps spring-loaded for easy diffuser removal.

Finish: Standard paint after fabrication premium polyester powder coat finish, utilizing a 7-stage pretreatment process of iron phosphate, a non-chromium sealer and a de-ionized water rinse to

Optics
Acrylic prismatic diffuser.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards. NOM Certified—optional.

Construction

Heavy-duty code gauge steel.

Electrical
Linear lamps secured with rotary sockets.

Easy maintenance design for individual mounting.



Example: FCW2 1 17 120 GEB10IS

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Series	Number of lamps	Lamp type	Voltage	Ballast configuration	Ballast	Options
FCW2	1	17 17W T8 (24")	MVOLT 120 277	(blank) 1- and/or 2-lamp ballasts per Lithonia Lighting standards	GEB10IS T8 electronic ballast, ≤ 10% THD, instant start	1CF9 9W compact fluorescent night-light
FCW4	2	32 32W T8 (48")				1/4 One 4-lamp ballast
FCW8						
						SNSEW1 360° infrared ceiling mount, > 25', all lamps on/off
						SNUTZW Ultrasonic, wall mount, night-light stays on
						SNREZW1 360° infrared ceiling mount, < 25', night-light stays on
						SNSEZW1 360° infrared ceiling mount, > 25', night-light stays on

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS

SERIES	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE	WIDTH IN. (CM)	DEPTH IN. (CM)	LENGTH IN. (CM)
FCW2	1, 2	1, 2	17	5-3/8 (13.7)	4-3/8 (11.1)	24 (61.0)
FCW4	1, 2	1, 2	32	5-3/8 (13.7)	4-3/8 (11.1)	48 (121.9)
FCW8	1, 2	2, 4	32	5-3/8 (13.7)	4-3/8 (11.1)	96 (243.8)

PRODUCT INFORMATION

WS



Intended Use
For applications where direct distribution is preferred in a simple, unobtrusive design.

Construction
Trim, contemporary design fits any wall-mount application.

Steel housing with high-gloss white enamel PAF finish standard.

Available in 2', 3' and 4' models.

Welded 20-gauge steel construction.

Designed for easy installation and maintenance.

Electrical
Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards—optional. NOM Certified—optional.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: WS 2 32 A12 MVOLT GEB10IS

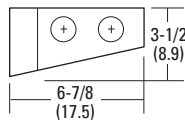
Series	Number of lamps	Lamp type	Diffuser	Voltage	Ballast configuration	Ballast	Options
WS	1	17 17W T8 (24")	A12 #12 pattern acrylic	MVOLT 347 ³	(blank) 1- and/or 2-lamp ballasts per Lithonia Lighting standards	GEB10IS T8 electronic ballast, ≤10% THD, instant start	S1 On/off pull-switch (all lamps), lower left ¹
	2	25 25W T8 (36")	A12125 #12 pattern acrylic, .125" thick				CO Grounded convenience outlet, lower right ¹
	Not included.	32 32W T8 (48")	A19 #19 pattern acrylic, .156" thick				SWR Rocker switch installed ¹
					1/3 One 3-lamp ballast		EL Emergency battery pack ²
					1/4 One 4-lamp ballast	GEB10RS T8 electronic ballast, ≤10% THD, programmed rapid start	CSA Meets Canadian standards
							NOM Meets Mexican standards

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS

SERIES	NOMINAL LENGTH	NUMBER OF LAMPS	LAMP TYPE	LENGTH IN. (CM)	WIDTH IN. (CM)	HEIGHT IN. (CM)
WS	2'	1, 2	17	25 (63.5)	6-7/8 (17.5)	3-1/2 (8.9)
WS	3'	1, 2	25	37 (94.0)	6-7/8 (17.5)	3-1/2 (8.9)
WS	4'	1, 2	32	49 (124.5)	6-7/8 (17.5)	3-1/2 (8.9)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 120V only.
- Consult www.lithonia.com for available options.
- Available only with CSA option.

PRODUCT INFORMATION

W



Intended Use
For applications where a sleek, brushed aluminum fixture body in a direct lighting pattern will enhance the space.

Construction
One-piece, brushed aluminum housing assembly.

Injection-molded end plates standard with woodgrain vinyl finish.

Acrylic diffusers standard (prismatic lower .125"; matte white upper panel .187").

Grounded convenience outlet available on 120V unit.

Standard configuration: Uplight and down-light; optional downlight only available with DO option.

Lens housing secured to channel assembly by spring-loaded latches.

Electrical
Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards—optional. NOM Certified—optional.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: W 2 32 MVOLT GEB10IS

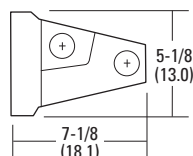
Series	Number of lamps	Lamp type	Diffuser	Voltage	Ballast	Options
W	1	U16 16W T8 U (12") ¹	(blank) #12 pattern diffuser, .187" thick, upper lens	MVOLT 347 ²	GEB10IS T8 electronic ballast, ≤10% THD, instant start	DO Downlight only
	Not included.	17 17W T8 (24")	A12U #12 pattern diffuser, .125" thick, upper lens		GEB10RS T8 and CF electronic ballast, ≤10% THD, programmed rapid start	S1 On/off pull-switch (all lamps) ³
		CF18 18W TT5 RS (12")	A19 #19 pattern diffuser, .156" thick			BF Baffle to divide uplight and downlight ⁵
		25 25W T8 (36")	ACF Flat acrylic matte white diffuser, .125" thick			N Night-light, unswitched, 7W C7 lamp (included), top left
	32 32W T8 (48")				NS Night-light with push-switch, 7W C7 (included), top left	
				CO Grounded convenience outlet ³	AE Brushed aluminum end cap appliques	MB Matte black finish
						MW Matte white finish
						EL Emergency battery pack ⁴
						CSA Meets Canadian standards
						NOM Meets Mexican standards

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS

NOMINAL LENGTH	SERIES	NUMBER OF LAMPS	LAMP TYPE	LENGTH IN. (CM)	WIDTH IN. (CM)	HEIGHT IN. (CM)
1'	W	1	U16	13-5/8 (34.6)	7-1/8 (18.1)	5-1/8 (13.0)
1'	W	1, 2	CF18	13-5/8 (34.6)	7-1/8 (18.1)	5-1/8 (13.0)
2'	W	1, 2	17	24-3/8 (61.9)	7-1/8 (18.1)	5-1/8 (13.0)
3'	W	1, 2	25	36-3/8 (92.4)	7-1/8 (18.1)	5-1/8 (13.0)
4'	W	1, 2	32	48-3/8 (122.9)	7-1/8 (18.1)	5-1/8 (13.0)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- One-lamp only.
- Available only with CSA option.
- 120V only.
- Consult www.lithonia.com for available options.
- Not available with DO option.

**WB
WM**



Intended Use

For applications where a controllable direct or indirect component is desired. Ideal for corridors, dressing rooms, hospitals or other patient-care facilities.

Construction

Available in 2', 3' and 4' models.

Die-cast aluminum ends and matching aluminum door. Woodgrain vinyl finish standard.

Door locks open for easy relamping.

Heavy-gauge steel housing and wireway assembly.

Internal baffle for uplight and/or downlight; four-position pull-switch and grounded convenience outlet are standard on WM, optional on WB.

WM available in 120V only. Pull-switches and convenience outlets available on 120V only.

Electrical

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards—optional. NOM Certified—optional.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: WB 2 32 A12 MVOLT GEB10IS

Series	Number of lamps	Lamp type	Shielding	Voltage	Ballast configuration	Ballast
WB Commercial	1	17 17W T8 (24")	A12 #12 pattern acrylic (uplight and downlight)	MVOLT	(blank) 1- and/or 2-lamp ballasts per Lithonia Lighting standards	GEB10IS T8 electronic ballast, ≤10% THD, instant start
WM Medical	2	25 25W T8 (36")	A12L #12 pattern acrylic (downlight only) - WB only	120	1/3 One 3-lamp ballast	GEB10RS T8 electronic ballast, ≤10% THD, programmed rapid start
	3 ¹	32 32W T8 (48")	A12U #12 pattern acrylic (uplight only)	347 ⁸	1/4 One 4-lamp ballast	
	3Y ¹		3EA KSH 3-E asymmetric lens (no direct light away from wall)			
	4					

Options

S1 On/off pull-switch (all lamps); WB only²

S2 On/off pull-switch for downlight; remote uplight switching^{2,3,4}

BF Baffle to divide uplight and downlight⁵

CO Grounded convenience outlet^{2,5}

N Night-light, unswitched, top left; 7W C7 lamp (included)²

NS Night-light with push-switch, top left; 7W C7 lamp (included)²

XB Mounting bracket and power supply for examination light^{2,7}

WH White finish

EL Emergency battery pack⁶

CSA Meets Canadian standards

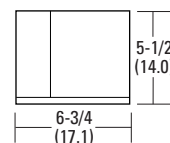
NOM Meets Mexican standards

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS						
NOMINAL LENGTH	SERIES	NUMBER OF LAMPS	LAMP TYPE	LENGTH IN. (CM)	WIDTH IN. (CM)	HEIGHT IN. (CM)
2'	WB	1, 2, 3, 3Y, 4	17	24-1/4 (61.6)	6-3/4 (17.1)	5-1/2 (14.0)
3'	WB	1, 2, 3, 3Y, 4	25	36-1/4 (92.1)	6-3/4 (17.1)	5-1/2 (14.0)
3'	WM	2, 3, 3Y, 4	25	36-1/4 (92.1)	6-3/4 (17.1)	5-1/2 (14.0)
4'	WB	1, 2, 3, 3Y, 4	32	48-1/4 (122.6)	6-3/4 (17.1)	5-1/2 (14.0)
4'	WM	2, 3, 3Y, 4	32	48-1/4 (122.6)	6-3/4 (17.1)	5-1/2 (14.0)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Three-lamp models are standard with two lamps bottom, one top. Order Y option for one bottom, two top. Example: WB 3Y 32 A12 120.
- 120V only.
- Requires BF option.
- Requires 2/1 option for two-lamp fixtures.
- Standard on WM; not available in Canada.
- Consult www.lithonia.com for available options.
- Available on 4' WM only.
- Available only with CSA option.

PRODUCT INFORMATION

SS
SST



Intended Use
Use for applications requiring uninterrupted illumination levels such as coves or displays.

Construction
Channel is offset at both ends to accept adjoining fixtures in row applications.

Lamps in adjacent fixtures overlap 4" to provide continuous illumination.

High-gloss, baked-polyester finish.

Channel connectors furnished.

Telescoping version provides even, continuous environment without shadows.

Optional aluminum fixtures feature corrosion-resistant fasteners for use in damp and harsh locations.

For reflector options, see pages 94-95.

Electrical
Ballast: Thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA Certified ballast is standard. Sound

rating depends on lamp/ballast combination.

AWM, TFN or THHN wire used throughout, rated for required temperatures.

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards—optional. NOM Certified—optional.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: SS 2 32 MVOLT GEB10IS

Series	Number of lamps	Lamp type	Voltage	Ballast configuration
SS Staggered ^{1,6}	1	14T5 14W T5 (22")	MVOLT	(blank) 1- and/or 2-lamp ballast per Lithonia Lithonia standards
SST Telescoping ^{2,6}	2	17 17W T5 (24")	347 ³	1/4 One 4-lamp ballast
	Not included.	21T5 21W T5 (34")		
		24T5HO 24W T5HO (22")		
		25 25W T8 (36")		
		28T5 28W T5 (46")		
		32 32W T8 (48")		
		39T5HO 39W T5HO (34")		
		54T5HO 54W T5HO (46")		
		96T8 59W T8 (96")		
		96T8HO 86W T8 380mA (96")		

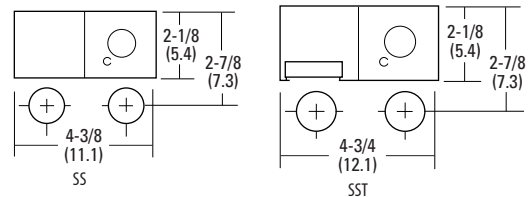
Ballast	Options
GEB10IS T8 electronic ballast, ≤10%THD, instant start	EL14 Emergency battery pack
GEB Electronic ballasts, ≤20% THD	EL55 Emergency battery pack (nominal 390-700 lumens) ⁵
GEB10RS T8 electronic ballast, ≤10%THD, programmed rapid start	EL65 Emergency battery pack (nominal 725-1325 lumens) ⁵
BILP T8 high-performance ballast, low ballast factor (.79), instant start	PLF_ Plug-in wiring; specify 1, 2 or 3 branch circuits and hot wires (A=black, B=red, C=blue, AB or AC)
BINP T8 high-performance ballast, normal ballast factor (.88), instant start	TILW Tandem in-line wiring
BIHP T8 high-performance ballast, high ballast factor (1.2), instant start ⁴	AL Aluminum ¹
	CSA Meets Canadian standards
	NOM Meets Mexican standards

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

SERIES	CONFIGURATIONS					
	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE	WIDTH IN. (CM)	HEIGHT IN. (CM)	LENGTH IN. (CM)
SS / SS AL	1	1	14T5, 24T5HO	4-3/8 (11.1)	2-7/8 (7.3)	22 (56.7)
SS / SS AL	1	1	17	4-3/8 (11.1)	2-7/8 (7.3)	24 (61.0)
SS / SS AL	2	2	14T5, 24T5HO	4-3/8 (11.1)	2-7/8 (7.3)	22 (56.7)
SS / SS AL	2	2	17	4-3/8 (11.1)	2-7/8 (7.3)	28 (71.1)
SST	2	2	17	4-3/4 (12.1)	2-7/8 (7.3)	28 (71.1)
SS / SS AL	1	1	21T5, 39T5HO	4-3/8 (11.1)	2-7/8 (7.3)	34 (86.7)
SS / SS AL	1	1	25	4-3/8 (11.1)	2-7/8 (7.3)	36 (91.4)
SS / SS AL	2	2	21T5, 39T5HO	4-3/8 (11.1)	2-7/8 (7.3)	34 (86.7)
SS / SS AL	2	2	25	4-3/8 (11.1)	2-7/8 (7.3)	40 (101.6)
SST	2	2	25	4-3/4 (12.1)	2-7/8 (7.3)	40 (101.6)
SS / SS AL	1	1	28T5, 54T5HO	4-3/8 (11.1)	2-7/8 (7.3)	46 (116.7)
SS / SS AL	1	1	32	4-3/8 (11.1)	2-7/8 (7.3)	48 (121.9)
SS / SS AL	2	2	28T5, 54T5HO	4-3/8 (11.1)	2-7/8 (7.3)	46 (116.7)
SS / SS AL	2	2	32	4-3/8 (11.1)	2-7/8 (7.3)	52 (132.1)
SST	2	2	32	4-3/4 (12.1)	2-7/8 (7.3)	52 (132.1)
SS / SS AL	1	1	96T8, 96T8HO	4-3/8 (11.1)	2-7/8 (7.3)	96 (243.8)
SS / SS AL	2	2	96T8, 96T8HO	4-3/8 (11.1)	2-7/8 (7.3)	100 (254.0)
TSS / TSS AL	1	2	32	4-3/8 (11.1)	2-7/8 (7.3)	92 (233.7)
TSS / TSS AL	2	4	32	4-3/8 (11.1)	2-7/8 (7.3)	100 (254.0)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For optional aluminum channel, add suffix AL to catalog number. Example: SS 2 96 120 AL. For tandem-wired double-length unit, add prefix T. Example: TSS.
- Not available with T5 or T5HO lamp configurations.
- Available only with CSA options.
- Not available in 347V.
- Consult factory for additional battery packs.
- Consult factory for T12 and T12HO configurations.

SM



Intended Use
Ideal for displays or any application with limited space.

Construction
Low-profile body and side-mounted lamps permit installation in shallow spaces and provide good illumination.

High-gloss, baked polyester finish.

Channel cover secured by quarter-turn fasteners for easy access.

Finish: High-gloss, baked white enamel finish (white standard). Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Finish options: black (MB), smoke gray (SKGY) and galvanized (GALV).

Optics
Reflector options include solid or uplight designs in asymmetric configurations. See pages 94-95 for reflectors

Electrical
Thermally protected, resetting, Class P, HPF, non-PCB, UL Listed.

Suitable for damp locations. AWN, TFN or THHN wire used throughout, rated for required temperatures.

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

standards—standard except on 347V (see Options). NOM certified—optional.

Listings
UL Listed. UL Listed or CSA Certified to Canadian

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: SM 2 32 MVOLT GEB10IS

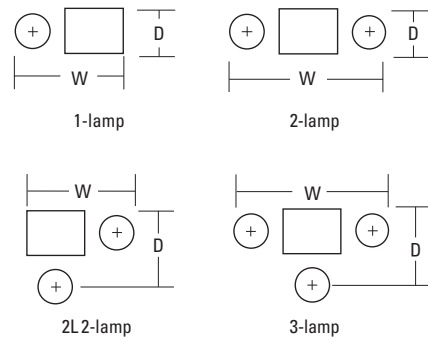
Series	Number of lamps ¹	Lamp type	Voltage	Ballast configuration	Ballast	Options
SM For tandem double-length unit, add prefix T. Example: TSM	1	15 15W T12 (18")	MVOLT	(blank)	GEB10IS T8 electronic ballast, instant start	EL14 Emergency battery pack
	2	14T5 14W T5 (22")	347 ³	1- and/or 2-lamp ballast per Lithonia standards	GEB10RS T8 electronic ballast, programmed rapid start	EL55 Emergency battery pack (nominal 390-700 lumens) ⁵
	2L	24T5SHO 24W T5HO (22")	120	Lithonia standards	GEB10PS T5 electronic ballast, ≤ 10% THD, programmed rapid start	EL65 Emergency battery pack (nominal 725-1325 lumens) ⁵
	3	17 17W T8 (24")	277	1/3 One 3-lamp ballast	GEB Electronic ballasts, ≤ 20% THD	PLF_ Plug-in wiring; specify 1, 2 or 3 branch circuits and hot wires (A=black, B=red, C=blue, AB or AC)
	Not included.	20 20W T12 (24")		1/4 One 4-lamp ballast	BILP T8 high-performance ballast, low ballast factor (.78), instant start	TILW Tandem in-line wiring
		21T5 21W T5 (34")			BINP T8 high-performance ballast, normal ballast factor (.88), instant start	CSA Meets Canadian standards
		39T5SHO 39W T5HO (34")			BIHP T8 high-performance ballast, high ballast factor (1.2), instant start ⁴	NOM Meets Mexican standards
					LPF Low power factor (for 15W, 20W, 30W)	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS						
SERIES	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE	WIDTH IN. (CM)	DEPTH IN. (CM)	LENGTH IN. (CM)
SM	1	1	15	4-1/2 (11.4)	1-7/8 (4.8)	18 (45.7)
SM	2	2	15	6 (15.1)	1-7/8 (4.8)	18 (45.7)
SM	2L	2	15	4-1/2 (11.4)	3 (7.6) ²	18 (45.7)
SM	1	1	14T5, 24T5HO	3-3/4 (9.6)	1-7/8 (4.8)	22 (56.9)
SM	2	2	14T5, 24T5HO	4-5/8 (11.7)	1-7/8 (4.8)	22 (56.9)
SM	2L	2	14T5, 24T5HO	3-3/4 (9.6)	2-3/8 (6.2) ²	22 (56.9)
SM	1	1	17, 20	4-1/2 (11.4)	1-7/8 (4.8)	24 (61.0)
SM	2	2	17, 20	6 (15.1)	1-7/8 (4.8)	24 (61.0)
SM	2L	2	17, 20	4-1/2 (11.4)	3 (7.6) ²	24 (61.0)
SM	1	1	21T5, 39T5HO	3-3/4 (9.6)	1-7/8 (4.8)	34 (86.4)
SM	2	2	21T5, 39T5HO	4-5/8 (11.7)	1-7/8 (4.8)	34 (86.4)
SM	2L	2	21T5, 39T5HO	3-3/4 (9.6)	2-3/8 (6.2) ²	34 (86.4)
SM	1	1	25, 30	4-1/2 (11.4)	1-7/8 (4.8)	36 (91.4)
SM	2	2	25, 30	6 (15.1)	1-7/8 (4.8)	36 (91.4)
SM	2L	2	25, 30	4-1/2 (11.4)	3 (7.6) ²	36 (91.4)
SM	3	3	25, 30	6 (15.1)	3 (7.6) ²	36 (91.4)
SM	1	1	28T5, 54T5HO	3-3/4 (9.6)	1-7/8 (4.8)	46 (116.8)
SM	2	2	28T5, 54T5HO	4-5/8 (11.7)	1-7/8 (4.8)	46 (116.8)
SM	2L	2	28T5, 54T5HO	3-3/4 (9.6)	1-7/8 (4.8) ²	46 (116.8)
SM	1	1	32	4-1/2 (11.4)	1-7/8 (4.8)	48 (121.9)
SM	2	2	32	6 (15.1)	1-7/8 (4.8)	48 (121.9)
SM	2L	2	32	4-1/2 (11.4)	3 (7.6) ²	48 (121.9)
SM	3	3	32	6 (15.1)	3 (7.6) ²	48 (121.9)
TSM	1	2	28T5, 54T5HO	3-3/4 (9.6)	1-7/8 (4.8)	92 (233.7)
TSM	2	4	28T5, 54T5HO	4-5/8 (11.7)	1-7/8 (4.8)	92 (233.7)
TSM	2L	4	28T5, 54T5HO	3-3/4 (9.6)	1-7/8 (4.8) ²	92 (233.7)
TSM	1	2	32	4-1/2 (11.4)	1-7/8 (4.8)	96 (243.8)
TSM	2	4	32	6 (15.1)	1-7/8 (4.8)	96 (243.8)
TSM	2L	4	32	4-1/2 (11.4)	3 (7.6) ²	96 (243.8)
TSM	3	6	32	6 (15.1)	3 (7.6) ²	96 (243.8)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See Configurations table for lamp compatibility.
- Maximum depth to center of lamps.
- Available only with CSA option.
- Not available in 347V.
- Consult factory for additional battery packs.

PRODUCT INFORMATION

MS5 SBL

Low-Profile Louvered Striplight



Intended Use
Use in surface or suspended applications such as retail, manufacturing or renovation, that require high light levels in a compact luminaire design.

Construction
Compact, low-profile design. High fixture performance. Heavy-duty-gauge channel. Full end cap for socket support.

Compact T5 socket features rotating collar and enclosed contracts.

Paint finish: High-gloss baked white polyester.

Choice of one or two lamps in 2', 3', 4' or 8' lengths.

Aircraft cable mounting hardware available.

Electrical
Thermally protected, resetting, Class P, UL Listed and CSA Certified ballast is standard. Sound rating depends on lamp/ballast combination.

AWM, TFN, THHN wire throughout, rated for required temperatures.

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards—optional. NOM Certified—optional.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: MS5 2 54T5HO SBL MVOLT GEB10PS

Series ⁹	Number of lamps	Lamp type	Louver
MS5	1	14T5 14W T5 (22")	SBL White straight blade louver assembly (solid, white reflectors included) ¹
	2	21T5 21W T5 (34")	
	Not included.	24T5HO 24W T5HO (22")	
		28T5 28W T5 (46")	
		39T5HO 39W T5HO (34")	
		54T5HO 54W T5HO (46")	

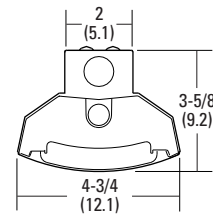
Finish	Voltage	Ballast	Options
(blank) White	MVOLT 347 ²	GEB10PS T5 electronic ballast, ≤ 10% THD, programmed rapid start	GLR Internal fast-blow fuse ^{3,4}
SAR95 Specular aluminum reflector, MIRO [®] (white channel)		S5 SIMPLY5™ (.95BF) ¹⁰	GMF Internal slow-blow fuse ^{3,4}
		S5115 SIMPLY5™ (1.15BF) ¹⁰	EL55 Emergency battery pack (nominal 390-700 lumens) ^{1,3,4,8}
			EL65 Emergency battery pack (nominal 725-1325 lumens) ^{1,3,4,8}
			CSA Meets Canadian standards
			NOM Meets Mexican standards

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS							
NOMINAL LENGTH	SERIES	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE	LENGTH IN. (CM)	WIDTH IN. (CM)	HEIGHT IN. (CM)
2'	MS5	1, 2	1, 2	14T5, 24T5HO	22-1/2 (57.1)	4-3/4 (12.1)	3-5/8 (9.2)
3'	MS5	1, 2	1, 2	21T5, 39T5HO	34-1/4 (87.0)	4-3/4 (12.1)	3-5/8 (9.2)
4'	MS5	1, 2	1, 2	28T5, 54T5HO	46-1/8 (117.2)	4-3/4 (12.1)	3-5/8 (9.2)
8'	MS5	1, 2	2, 4	28T5, 54T5HO	92-1/8 (234.0)	4-3/4 (12.1)	3-5/8 (9.2)

ACCESSORIES	
ORDER SEPARATELY	
THMS5	Tong hanger (1 pair)
MSSEP SBL	Full-depth end plate for louvered reflector (1 pair)
1B	Ceiling spacer (adjusts 1-1/2" to 2-1/2" from ceiling)
SQ	Swivel stem hanger (specify length in 2" increments)
MSSACF_	Adjustable aircraft cable system with power feed (specify length as 36, 72 or 108 inches) ^{5,6,7}
MSSAC_	Adjustable aircraft cable system (specify length as 36, 72 or 108 inches) ⁷

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Only available on 28T5 and 54T5HO.
- 2 Available with 54T5HO lamp type only. Available only with CSA option.
- 3 Specify voltage.
- 4 Not available in Canada.
- 5 Available with 3', 4' and 8' lengths only.
- 6 120-277V only for power feed.
- 7 Standard wire size for power feed is 18-gauge. For 12-gauge add 12AWG to the end of catalog number. Consult factory for length of runs and required wire size.
- 8 120-277V only.
- 9 For tandem double-length unit, add prefix T. Example: TMS5
- 10 SIMPLY5™ HW version.

Z

Low-Profile T5 Striplight



Intended Use

The industry's next generation in linear direct fluorescent products. This new compact, low-profile design offers our customers unique product features which improve the overall installation process and appearance while reducing labor costs, making it the most versatile solution for commercial, retail, manufacturing, warehouse, cove, and display applications.

Designed exclusively for use with T5 and T5HO lamp types. The channel offers gripper-back feature, which strengthens the overall

construction and allows for the use of the new Z spring hanger (see accessories on pages 92-93).

Patent-pending fastener-less channel cover offers a secure-fit design, allowing for quick attachment and easy access.

Construction

Compact-design channel and cover are formed from code-gauge cold-rolled steel. Locking lamp holder tracks bolster strength while creating improved lamp stability. Socket offers rotating collar and enclosed contacts. Improved easy "snap n' lock" end plates allow for

quick attachment. Finish: High-gloss, baked white enamel finish (white standard). Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Finish options; black (MB), smoke gray (SMG) and galvanized (GALV).

Optics

Reflector options include solid or upright designs in both symmetric and asymmetric configurations. See pages 94-95 for reflector configuration.

Electrical

Thermally protected, resetting, Class P, HPF, non-PCB,

UL Listed. Suitable for damp locations. AWN, TFN or THHN wire used throughout, rated for required temperatures.

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Installation

Patented-pending three-point row aligner locks channel together for straighter and faster row mounting, included as standard. Ideal for surface-mount or suspended.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards. NOM Certified—optional.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: Z 1 54T5HO Z5SMR46 MVOLT GEB10PS

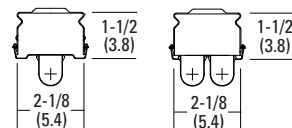
Series ^{1,2}	Number of lamps	Lamp type	Reflector	Distribution	Voltage
Z Low-profile strip	1	14T5 14W T5 (22")	(blank) No reflector	(blank) Solid	MVOLT
	2	21T5 21W T5 (34")	Z5ASR46 46" asymmetric reflector	A8 Apertured 8% upright	120
	Not included.	24T5HO 24W T5HO (22")	Z5SMR46 46" symmetric reflector	A5 Apertured 5% upright	277
		28T5 28W T5 (46")		A4 Apertured 4% upright ⁸	347 ^{3,4}
		39T5HO 39W T5HO (34")		A2 Apertured 2% upright ⁸	
	54T5HO 54W T5HO (46")				
Ballast		Options			Finish
GEB10PS	T5 electronic ballast, ≤10% THD, programmed rapid start	EL55	Emergency battery pack (nominal 390-700 lumens) ⁶	(blank)	White-gold
S5	SIMPLY [™] (.95 BF) ⁵	EL65	Emergency battery pack (nominal 725-1325 lumens) ⁶	MB	Matte black
S5115	SIMPLY [™] (1.15 BF) ⁵	PLF_	Plug-in wiring; specify 1, 2 or 3 branch circuits and hot wires (A = black, B = red, C = blue, AB or AC)	GALV	Galvanized
		TILW	Tandem in-line wiring	SKGY	Smoke gray
		CSA	Meets Canadian standards	SSR	Specular ⁷
		NOM	Meets Mexican standards		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ACCESSORIES	
ORDER SEPARATELY	
SQ_	Swivel-stem hanger (specify length in 2" increments)
ZSPRG	Tong and T-grid hanger
WGZ46	46" wireguard, white, light gauge
WGZ5SMR46	46" wireguard, white, for symmetric reflector
WGZ5ASR46	46" wireguard, white, for asymmetric reflector
M5SACF_	Adjustable aircraft cable system with power feed (specify length as 36, 72 or 108 inches)
M5SAC_	Adjustable aircraft cable system (specify length as 36, 72 or 108 inches)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available in multiple lengths. Consult factory.
- 2 For tandem double-length unit, add prefix T. Example: TZ
- 3 Available only with 28T5 and 54T5HO.
- 4 Available only with CSA option.
- 5 SIMPLY[™] system includes a 13' S5SSC RELOC[®] wiring system.
- 6 Specify voltage.
- 7 Specular finish in reflector only.
- 8 Asymmetric reflector only.

PRODUCT INFORMATION

Z

Low-Profile T8 Striplight



Intended Use
The industry's next generation in linear direct fluorescent products. This new compact, low-profile design offers our customers unique product features which improve the overall installation process and appearance while reducing labor costs, making it the most versatile solution for commercial, retail, manufacturing, warehouse, cove, and display applications.

Designed exclusively for use with T8 lamp types. The channel offers gripper-back feature, which strengthens the overall construction and allows for the use of the new Z spring hanger (see access-

ories on pages 92-93). Newly designed, patent-pending fastener-less channel cover offers a secure-fit design, allowing for easy access and quick attachment.

Construction
Compact-design channel and cover are formed from code-gauge cold-rolled steel. Innovative T8 two-lamp back plate offers compact design and additional socket protection. Locking lamp holder tracks bolster strength on the overall strip construction while creating improved lamp stability. Sockets feature rotating collar and enclosed contacts. Improved easy "snap n' lock" end plates allow for quick attachment.

Finish: High-gloss, baked white enamel finish (white standard). Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Finish options: black (MB), smoke gray (SKGY) and galvanized (GALV).

Optics
Reflector options include solid or upright designs in both symmetric and asymmetric configurations. See pages 94-95 for reflector configurations.

Electrical
Thermally protected, resetting, Class P, HPF, non-PCB, UL Listed.

Suitable for damp locations. AWN, TFN or THHN wire used throughout, rated for required temperatures.

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Installation
Patented-pending three-point row aligner locks channel together for straighter and faster row mounting, included as standard. Ideal for surface-mount or suspended.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards. NOM Certified—optional.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: Z 1 32 Z8SMR48 MVOLT GEB10IS

Series ¹	Number of lamps	Lamp type	Reflector	Distribution	Voltage	Ballast
Z Low-profile strip	1	17 17W T8 (24")	(blank) No reflector	(blank) Solid	MVOLT	GEB10IS T8 electronic ballast, ≤ 10% THD, instant start
	2	25 25W T8 (36")	Z8ASR48 48" asymmetric reflector	A8 Apertured 8% upright	120	GEB10RS T8 electronic ballast, ≤ 10% THD, programmed rapid start
	Not included.	32 32W T8 (48")	Z8SMR48 48" symmetric reflector	A5 Apertured 5% upright A4 Apertured 4% upright ² A2 Apertured 2% upright ²	277 347 ²	BINP T8 high-performance ballast, normal ballast factor (.88), instant start BIHP T8 high-performance ballast, high ballast factor (1.2), instant start ³ BILP T8 high-performance ballast, low ballast factor (.78), instant start S5 SIMPLY™ (0.95 BF) ⁶ S5115 SIMPLY™ (1.15 BF) ⁶

Options

- EL55 Emergency battery pack (nominal 390-700 lumens)
- EL65 Emergency battery pack (nominal 725-1325 lumens)
- PLF_ Plug-in wiring; specify 1, 2 or 3 branch circuits and hot wires (A = black, B = red, C = blue, AB or AC)
- CSA Meets Canadian standards
- NOM Meets Mexican standards

- Finish**
- (blank)** White
 - MB Matte black
 - GALV Galvanized
 - SKGY Smoke gray
 - SSR Specular⁴

ADDITIONAL INFORMATION

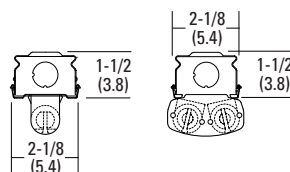
For additional product information, visit www.lithonia.com.

ACCESSORIES

ORDER SEPARATELY

SQ	Swivel-stem hanger (specify length in 2" increments)
ZSPRG	Tong and T-grid hanger
WGZ48	4' wireguard, white, light gauge
WGZ8SMR48	4' wireguard, white, for symmetric reflector
WGZ8ASR48	4' wireguard, white, for asymmetric reflector
MSSACF	Adjustable aircraft cable system with power feed (specify length as 36, 72 or 108 inches)
MSSAC	Adjustable aircraft cable system (specify length as 36, 72 or 108 inches)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For tandem double-length unit, add prefix T. Example: TZ.
- Available only with CSA option.
- Not available in 347V.
- Specular finish in reflector only.
- Asymmetric reflector only.
- SimplyS system includes 13" SSSS RELOC® wiring system.



Intended Use

For applications that require good illumination levels. Suitable for general purpose applications.

Construction

Steel channel (standard) with high-gloss, baked polyester finish.

Combination end plates/channel connector furnished for either unit-mounted or continuous-row application.

Channel cover retained by quarter-turn fastener.

Optional aluminum channel available, features corrosion-resistant fasteners for use in damp and harsh locations.

White specular reflectors available. For reflectors and wireguards options, see pages 93-95.

Electrical

Thermally protected, resetting, Class P, UL Listed and CSA Certified ballast is standard. Sound rating depends on lamp/ballast combination.

AWM, TFN, THHN wire used throughout, rated for required temperatures.

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed, CUL Listed or CSA Certified to Canadian standards. NOM Certified—optional.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: C 2 32 MVOLT GEB10IS

Series	Number of lamps	Lamp type	Voltage	Ballast configuration			
C ^{1,7}	1	17 17W T8 (24")	36HO 45W T12 800mA (36") ⁴	MVOLT 120 277 347 ⁵	(blank) 1- and/or 2-lamp ballasts per Lithonia Lighting standards 1/4 One 4-lamp ballast		
		20 20W T12 (24")	48 39W T12 slimline (48")				
	Not included.	24HO 35W T12 800mA (24") ⁴	48HO 60W T12 800mA (48") ⁴			96T8 59W T8 slimline (96") ³	96T8HO 86W T8 380mA (96") ³
	25 25W T8 (36")	72 55W slimline (72") ³	96HO 110W T12 800mA (96") ^{3,4}			CF39 39W CF lamp (18")	
	30 30W T12 (36")	72HO 85W T12 800mA (72") ^{3,4}	CF40 40W CF lamp (24")			CF40 40W CF lamp (24")	
	32 32W T8 (48") ¹	96 75W slimline (96") ³	CF50 50W CF lamp (24")			CF50 50W CF lamp (24")	

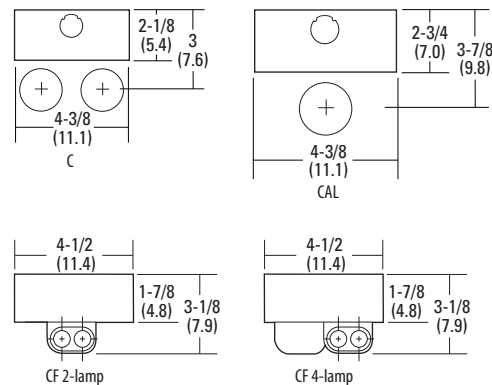
Ballast	Options
GEB10IS T8 electronic ballast, ≤ 10% THD, instant start	EL Emergency battery pack ²
GEB10RS T8 electronic ballast, ≤ 10% THD, programmed rapid start	AL Aluminum body
GEB T12 electronic ballast, ≤ 20% THD	GLR Internal fast-blow fuse (add X for external) ^{8,9}
BILP T8 high-performance ballast, low ballast factor (.79), instant start	GMF Internal slow-blow fuse (add X for external) ^{8,9}
BIHP T8 high-performance ballast, normal ballast factor (.88), instant start	PLF Plug-in wiring, specify 1, 2 or 3 branch circuits and hot wires (A = black, B = red, C = blue, AB or AC)
TIHP T8 high-performance ballast, high ballast factor (1.2), instant start ⁶	TILW Tandem in-line wiring
	CW Cold-weather ballast; 0°F starting temp
	CSA Meets Canadian standards
	NOM Meets Mexican standards

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS					
SERIES	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE	LENGTH IN. (CM)	WIDTH IN. (CM)
C/CAL	1,2	1,2	17, 20	24 (61.0)	4-1/4 (10.8)
CAL	1,2	1,2	24HO	24 (61.0)	4-1/4 (10.8)
C	1,2	1,2	CF39	24 (61.0)	4-1/2 (11.4)
C/CAL	1,2	1,2	25, 30	36 (91.4)	4-1/4 (10.8)
C	1,2	1,2	CF40	36 (91.4)	4-1/2 (11.4)
CAL	1,2	1,2	36HO	36 (91.4)	4-1/4 (10.8)
C/CAL	1,2	1,2	32, 48	48 (121.9)	4-1/4 (10.8)
CAL	1,2	1,2	48HO	48 (121.9)	4-1/4 (10.8)
C	1,2	1,2	CF50	48 (121.9)	4-1/2 (11.4)
C/CAL	1,2	1,2	72	72 (182.9)	4-1/4 (10.8)
CAL	1,2	1,2	72HO	72 (182.9)	4-1/4 (10.8)
TC/TCAL	1	2	25, 30	72 (182.9)	4-1/4 (10.8)
TC/TCAL	2	4	25, 30	72 (182.9)	4-1/4 (10.8)
C/CAL	1,2	1,2	96, 96T8, 96T8HO	96 (243.8)	4-1/4 (10.8)
CAL	1,2	1,2	96HO	96 (243.8)	4-1/4 (10.8)
TC/TCAL	1	2	32	96 (243.8)	4-1/4 (10.8)
TC/TCAL	2	4	32	96 (243.8)	4-1/4 (10.8)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For tandem double-length unit, add prefix T. Example: TC.
- Consult www.lithonia.com for available options.
- Order two 36" reflectors for 72" fixtures and two 48" reflectors for 96" fixtures.
- HO only available with aluminum (AL) version.
- Available only with CSA option.
- Not available in 347V.
- Consult factory for additional T12 AND T12HO configurations.
- Specify voltage.
- Not available in Canada.

PRODUCT INFORMATION

NARROW STRIPS



Intended Use
Suitable for tight spaces like cove and/or task lighting.

Construction
Die-formed from code-gauge steel with white polyester finish.

Sturdy channel cover secured by captive quarter-

turn latch for easy access to wireway.

Electrical
FCC Part 18 for residential and commercial application (120V only).

Ballast disconnect provided standard on MV products where required to comply

with U.S. and Canadian electrical codes.

Installation
Ideal for continuous row installation applications where a narrow profile is desired.

Designed for surface or suspended mounting.

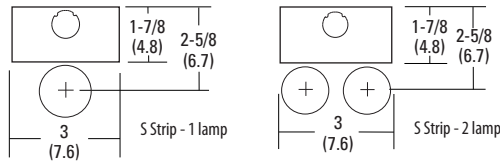
Listings
UL Listed. CUL Listed and CSA certified to Canadian Standards.



ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	NUMBER OF LAMPS	LENGTH	LAMP TYPE	VOLTAGE	BALLAST	ENERGY STAR® QUALIFIED	LAMP INCLUDED
S115	T12 narrow strip	1	18"	15	120	Electronic, rapid start	N	N
S117 MV	T8 narrow strip	1	24"	17	120 - 277	NEMA Premium®, instant start	N	N
S120	T12 narrow strip	1	24"	20	120	Electronic, rapid start	N	N
S125 MV	T8 narrow strip	1	36"	25	120 - 277	NEMA Premium®, instant start	N	N
S130	T12 narrow strip	1	36"	30	120	Electronic, rapid start	N	N
S132 MV	T8 narrow strip	1	48"	32	120 - 277	NEMA Premium®, instant start	N	N
S132	T8 narrow strip	1	48"	32	120	Electronic, instant start	Y	N
S140	T12 narrow strip	1	48"	40	120	Electronic, rapid start	N	N
TS132 MV	T8 narrow strip	2	96"	32	120 - 277	NEMA Premium®, instant start	N	N
TS132	T8 narrow strip	2	96"	32	120	Electronic, instant start	N	N
S217 MV	T8 narrow strip	2	24"	17	120 - 277	NEMA Premium®, instant start	N	N
S225 MV	T8 narrow strip	2	36"	25	120 - 277	NEMA Premium®, instant start	N	N
S232 MV	T8 narrow strip	2	48"	32	120 - 277	NEMA Premium®, instant start	N	N
TS232 2MV	T8 narrow strip	4	96"	32	120 - 277	NEMA Premium®, instant start	N	N

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

GENERAL-PURPOSE STRIPS



Intended Use
Suitable for applications such as retail, commercial and light industrial.

Construction
Die-formed from code-gauge steel with white polyester finish.

Sturdy channel cover secured by captive quarter-turn latch for easy access to wireway.

Electrical
FCC Part 18 for residential and commercial application (120V only).

Ballast disconnect provided standard on MV products

where required to comply with U.S. and Canadian electrical codes.

Installation
Ideal for surface or suspended mounting. End plate used for continuous row installation applications.

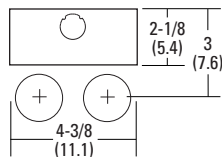
Listings
UL Listed. CUL Listed and CSA certified to Canadian standards.



ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	NUMBER OF LAMPS	LENGTH	LAMP TYPE	VOLTAGE	BALLAST	ENERGY STAR® QUALIFIED	LAMP INCLUDED
C217 MV	T8 general-purpose strip	2	24"	17	120 - 277	NEMA Premium®, instant start	N	N
C225 MV	T8 general-purpose strip	2	36"	25	120 - 277	NEMA Premium®, instant start	N	N
C232 MV	T8 general-purpose strip	2	48"	32	120 - 277	NEMA Premium®, instant start	N	N
C232	T8 general-purpose strip	2	48"	32	120	Electronic, instant start	Y	N
TC232 MV	T8 general-purpose strip	4	96"	32	120 - 277	NEMA Premium®, instant start	N	N
TC232	T8 general-purpose strip	4	96"	32	120	Electronic, instant start	Y	N
C296	T12 general-purpose strip	2	96"	75	120	Electronic, rapid start	N	N

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

Intended Use
Rugged, heavy-duty construction suitable for industrial applications.

code-gauge steel with white polyester finish.

Gripper-back design for superior strength and rigidity.

for -20° C cold weather environments.

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Installation
Heavy-duty aligner included for unit or row installation.

Ideal for heights up to 20', surface or suspended mounting.

Construction
Die-formed from heavy-duty

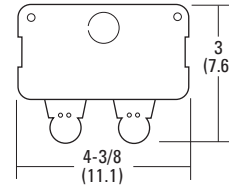
Electrical
High-output ballast rated

CONTRACTOR SELECT

ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	NUMBER OF LAMPS	LENGTH	LAMP TYPE	VOLTAGE	BALLAST	LAMP INCLUDED
UN248HO	T12 heavy-duty strip	2	48"	60	120	Electronic, rapid start	N
UN296HO	T12HO heavy-duty strip	2	96"	110	120	Electronic, rapid start	N

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



HEAVY-DUTY STRIPS



PRODUCT INFORMATION

Intended Use
Sturdy construction suitable for applications such as retail, light industrial and warehouses.

gauge steel with white enamel finish and 12" wide solid top reflector.

No tool assembly required for reflector assembly.

Electrical
Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Installation
Ideal for heights up to 16', surface or suspended mounting.

Construction
Die-formed from code-

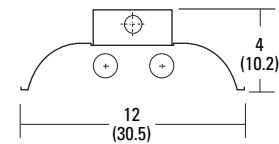
End plate used for continuous row installation applications.

CONTRACTOR SELECT

ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	NUMBER OF LAMPS	LENGTH	LAMP TYPE	VOLTAGE	BALLAST	LAMP INCLUDED
L232 MV	T8 general-purpose industrial	2	48"	32	120 - 277	NEMA premium®, instant start	N
TL232 MV	T8 general-purpose industrial	4	96"	32	120 - 277	NEMA premium®, instant start	N
L296	T12 general-purpose industrial	2	96"	75	120	Electronic, rapid start	N

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



GENERAL-PURPOSE INDUSTRIALS



PRODUCT INFORMATION

Intended Use
Rugged, heavy-duty industrial strip for medium to high mounting heights.

gauge steel with white enamel finish and 12" wide solid top reflector.

No tool assembly required for reflector assembly.

Gripper-back design for superior strength and rigidity.

Electrical
Ballast disconnect provided standard where required

to comply with U.S. and Canadian electrical codes.

Installation
Ideal for heights up to 20', surface or suspended mounting.

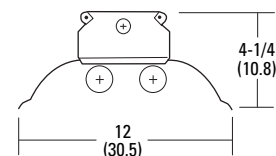
Construction
Die-formed from code-

CONTRACTOR SELECT

ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	NUMBER OF LAMPS	LENGTH	LAMP TYPE	VOLTAGE	BALLAST	LAMP INCLUDED
EJ296HO	T12 heavy-duty industrial	2	96"	110	120	Electronic, rapid start	N

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



HEAVY-DUTY INDUSTRIALS



PRODUCT INFORMATION

**L
LA**



Intended Use

For mounting heights up to 16' requiring low to medium light levels. Ideal for light-duty areas, utility, storage rooms or retail.

Construction

Solid-top reflector or 8% uplight is available. Sturdy combination reflector and channel cover secured by captive quarter-turn latch for easy access to wireway. Combination end plate/channel connector supplied with each fixture. High-gloss backed

white enamel finish. Reflector is painted after fabrication.

For replacement reflectors, see page 95. For wireguards and mounting accessories, see page 93.

Electrical

Ballast: Thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA Certified ballast is standard. Sound rating depends on lamp/ballast combination.

Wiring and electrical: AWM, TFN or THHN wire

used throughout, rated for required temperatures.

Available in tandem wired lengths. Accepts plug-ins for one, two or three primary circuits.

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Installation

For unit or row installations, surface or suspended mounting.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards. NOM Certified – optional.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: L 2 32 MVOLT GEB10IS

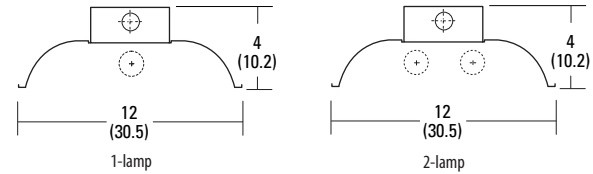
Series ^{1,2}	Number of lamps	Lamp type	Voltage	Ballast configuration	Ballast	Options
L Solid reflector	1	17 17W T8 (24")	MVOLT	(blank) 1- and/or 2-lamp ballasts per Lithonia Lighting standards	GEB10IS T8 electronic ballast, instant start	EL14 Emergency battery pack
LA 8% uplight	2	20 20W T12 (24") ¹	347 ³	1/4 One 4-lamp ballast	GEB10RS T8 electronic ballast, programmed rapid start	PLF_ Plug-in wiring; specify 1, 2 or 3 branch circuits and hot wires (A=black, B=red C=blue, AB or AC)
	Not included.	32 32W T8 (48")			BINP T8 high-performance ballast, normal ballast factor (.88), instant start	TILW Tandem in-line wiring
		48 38W slimline (48")			BILP T8 high-performance ballast, low ballast factor (.78), instant start	CSA Meets Canadian standards
		48T8HO 44W T8 (48")				NOM Meets Mexican standards
		96T8 59W T8 slimline (96")				
		96T8HO 86W T8 380mA (96")				

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

SERIES	CONFIGURATIONS					
	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE	WIDTH IN.(CM)	DEPTH IN.(CM)	LENGTH IN.(CM)
L, LA	1	1	17, 20 ¹	12 (30.5)	4 (10.2)	24 (61.0)
L, LA	2	2	17, 20 ¹	12 (30.5)	4 (10.2)	24 (61.0)
L, LA	1	1	32, 48	12 (30.5)	4 (10.2)	48 (121.9)
L, LA	2	2	32, 48, 48T8HO	12 (30.5)	4 (10.2)	48 (121.9)
TL, TLA	1	2	32, 48, 48T8HO	12 (30.5)	4 (10.2)	96 (243.8)
TL, TLA	2	4	32, 48	12 (30.5)	4 (10.2)	96 (243.8)
L, LA	1	1	96T8, 96T8HO	12 (30.5)	4 (10.2)	96 (243.8)
L, LA	2	2	96T8, 96T8HO	12 (30.5)	4 (10.2)	96 (243.8)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For tandem double-length unit, add prefix T. Example: TL.
- Consult factory for additional T12 and T12HO configurations.
- Available only with CSA option.

PRODUCT INFORMATION

UNS EJS



Intended Use
Use for applications requiring high illumination in mounting heights up to 20'. Ideal for warehouses, aisle and retail applications, and a rugged, heavy-duty strip design.

Construction
Premium-gauge channel features gripper-back design for strength and rigidity.

High-gloss, baked white polyester finish.

EJS: Solid-top reflector or uplight is available.

Lampholders secured by screwed-on end plates.

Heavy-duty row connector furnished for continuous mounting.

For replacement reflectors, see page 95. For wireguards and mounting accessories, see page 93.

Electrical
Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Ballast: Thermally protected, resetting, Class P, HPE, non-PCB, UL Listed, CSA Certified ballast standard. Sound rating depends on lamp/ballast combination.

Installation
For unit or row installation, surface or suspended mounting. Channel connector furnished standard.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards. NOM Certified – optional.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: UNS 2 96HO 120 GEB

Series ^{1,4}	Number of lamps ²	Lamp type ²	Voltage	Ballast configuration
UNS Heavy-duty strip	1	14T5 14W T5 (22")	MVOLT	(blank) 1- and/or 2-lamp ballasts per Lithonia Lighting standards
EJS Solid top	2	17 17W T8 (24")	120	1/3 One 3-lamp ballast
EJSA Uplight	3	21T5 21W T5 (34")	277	1/4 One 4-lamp ballast
		25 25W T8 (36")	347 ³	
		28T5 28W T5 (46")		
		32 32W T8 (48")		
		48HO 60W T12 800mA (48")		
		54T5HO 54W T5HO (46")		
		72 55W T12 slimline (72")		
		96T8HO 96W T8 T8HO (96")		
		96HO 110W T12 800m A (96")		

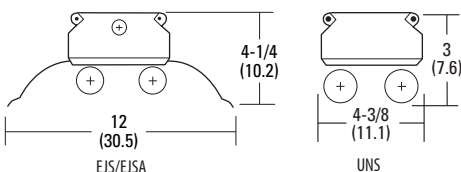
Ballast	Options
GEB10IS T8 electronic ballast, ≤10% THD instant start	EL14 Emergency battery pack
GEB10RS T8 electronic ballast, ≤10% THD, programmed rapid start	EL55 Emergency battery pack (nominal 390-700 lumens)
GEB10PS T5 electronic ballast, ≤10% THD, programmed rapid start	EL65 Emergency battery pack (nominal 725-1325 lumens)
GEB T12 electronic ballast, ≤20% THD	GLR Internal fast-blow fusing
	GMF Internal slow-blow fusing
	PLF Plug-in wiring; specify 1, 2 or 3 branch circuits and hot wires (A=black, B=red, C=blue, AB or AC)
	TILW Tandem in-line wiring
	CSA Meets Canadian standards
	NOM Meets Mexican standards

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

SERIES	CONFIGURATIONS					
	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE	WIDTH IN. (CM)	DEPTH IN. (CM)	LENGTH IN. (CM)
UNS	1, 2, 3	1, 2, 3	14T5, 17	4-3/8 (11.1)	3 (7.6)	24 (61.0)
UNS	1, 2, 3	1, 2, 3	21T5, 25	4-3/8 (11.1)	3 (7.6)	36 (91.4)
UNS	1, 2, 3	1, 2, 3	28T5, 32, 54T5HO	4-3/8 (11.1)	3 (7.6)	48 (121.9)
UNS	1, 2	1, 2	48HO	4-3/8 (11.1)	3 (7.6)	48 (121.9)
UNS	1, 2, 3	1, 2, 3	72	4-3/8 (11.1)	3 (7.6)	72 (182.9)
UNS	1, 2	1, 2	96T8HO, 96HO	4-3/8 (11.1)	3 (7.6)	96 (243.8)
TUNS	1, 2, 3	2, 4, 6	14T5, 17	4-3/8 (11.1)	3 (7.6)	48 (121.9)
TUNS	1, 2, 3	2, 4, 6	21T5, 25	4-3/8 (11.1)	3 (7.6)	72 (182.9)
TUNS	1, 2, 3	2, 4, 6	28T5, 32, 54T5HO	4-3/8 (11.1)	3 (7.6)	96 (243.8)
TUNS	1, 2	2, 4	96T8HO	4-3/8 (11.1)	3 (7.6)	192 (487.7)

SERIES	CONFIGURATIONS					
	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE	WIDTH IN. (CM)	DEPTH IN. (CM)	LENGTH IN. (CM)
EJS, EJSA	1, 2, 3	1, 2, 3	14T5, 17	12 (30.5)	4-1/4 (8.2)	24 (61.0)
EJS, EJSA	1, 2, 3	1, 2, 3	21T5, 25	12 (30.5)	4-1/4 (8.2)	36 (91.4)
EJS, EJSA	1, 2, 3	1, 2, 3	28T5, 32, 54T5HO	12 (30.5)	4-1/4 (8.2)	48 (121.9)
EJS, EJSA	1, 2	1, 2	48HO	12 (30.5)	4-1/4 (8.2)	48 (121.9)
EJS, EJSA	1, 2, 3	1, 2, 3	72	12 (30.5)	4-1/4 (8.2)	72 (182.9)
EJS, EJSA	1, 2	1, 2	96T8HO, 96HO	12 (30.5)	4-1/4 (8.2)	96 (243.8)
TEJS, TEJSA	1, 2, 3	2, 4, 6	14T5, 17	12 (30.5)	4-1/4 (8.2)	48 (121.9)
TEJS, TEJSA	1, 2, 3	2, 4, 6	21T5, 25	12 (30.5)	4-1/4 (8.2)	72 (182.9)
TEJS, TEJSA	1, 2, 3	2, 4, 6	28T5, 32, 54T5HO	12 (30.5)	4-1/4 (8.2)	96 (243.8)
TEJS, TEJSA	1, 2	2, 4	96T8HO	12 (30.5)	4-1/4 (8.2)	192 (487.7)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For tandem double-length unit, add prefix T. Example: TUNS.
- See Configurations table for lamp compatibility.
- Available only with CSA option.
- Consult factory for additional T12 and T12HO configurations.

UND EJD

Intended Use

Use for applications requiring magnetic or VHO ballast where high illumination is required. These products are suitable for mounting heights up to 20'. Ideal for task, aisle and warehouse lighting.

Construction

High-gloss, baked white polyester finish.

Premium-gauge channel features gripper-back design for strength and rigidity.

EJD: Solid-top reflector or uplight is available.

Lampholders secured by screwed-on end plates.

Heavy-duty row connector furnished for continuous mounting.

For wireguards and mounting accessories, see page 93.

Electrical

Ballast disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

Ballast: Thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA Certified

ballast standard. Sound rating depends on lamp/ballast combination.

Wiring and electrical: AWM, TFN and THHN wire used throughout, rated for required temperatures.

Installation

For unit or row installations, surface or suspended mounting.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards. NOM Certified – optional.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: UND 2 96HO 120 ES CW20

Series ^{1,3}	Number of lamps	Lamp type	Voltage	Ballast configuration	Ballast	Options
UND Heavy-duty strip	1	24HO 35W T12 800mA (24")	MVOLT	(blank) 1- and/or 2-lamp ballasts per Lithonia Lighting standards	ES T12 energy-saving ballast	EL14 Emergency battery pack
EJD Solid top	2	36HO 45W T12 800mA (36")	120	1/3 One 3-lamp ballast	MBX T12 magnetic ballast	GLR Internal fast-blow fusing ^{4,5}
EJDA Uplight		48HO 60W T12 800mA (48")	277	1/4 One 4-lamp ballast		GMF Internal slow-blow fusing ^{4,5}
		48VHO 110W T12 1500mA (48")	347 ²			PLF_ Plug-in wiring; specify 1, 2 or 3 branch circuits and hot wires (A=black, B=red, C=blue, AB or AC)
		72HO 85W T12 800mA (72")				TILW Tandem in-line wiring
		96HO 110W T12 800m A (96")				CSA Meets Canadian standards
		96VHO 210W T12 1500m A (96")				NOM Meets Mexican standards

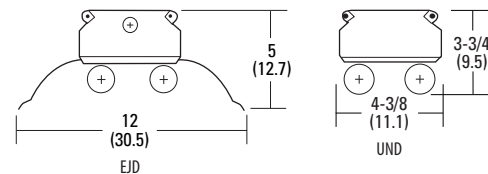
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS						
SERIES	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE	WIDTH IN. (CM)	DEPTH IN. (CM)	LENGTH IN. (CM)
UND	1, 2	1, 2	24HO	4-3/8 (11.1)	3-3/4 (9.3)	24 (61.0)
UND	1, 2	1, 2	36HO	4-3/8 (11.1)	3-3/4 (9.3)	36 (91.4)
UND	1, 2	1, 2	48HO, 48VHO	4-3/8 (11.1)	3-3/4 (9.3)	48 (121.9)
UND	1, 2	1, 2	72HO	4-3/8 (11.1)	3-3/4 (9.3)	72 (182.9)
UND	1, 2	1, 2	96HO, 96VHO	4-3/8 (11.1)	3-3/4 (9.3)	96 (243.8)
TUND	1, 2	2, 4	48HO, 48VHO	4-3/8 (11.1)	3-3/4 (9.3)	96 (243.8)
TUND	1, 2	2, 4	96HO, 96VHO	4-3/8 (11.1)	3-3/4 (9.3)	192 (487.7)

CONFIGURATIONS						
SERIES	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE	WIDTH IN. (CM)	DEPTH IN. (CM)	LENGTH IN. (CM)
EJD, EJDA	1, 2	1, 2	24HO	12 (30.5)	5 (12.7)	24 (61.0)
EJD, EJDA	1, 2	1, 2	36HO	12 (30.5)	5 (12.7)	36 (91.4)
EJD, EJDA	1, 2	1, 2	48HO, 48VHO	12 (30.5)	5 (12.7)	48 (121.9)
EJD, EJDA	1, 2	1, 2	72HO	12 (30.5)	5 (12.7)	72 (182.9)
EJD, EJDA	1, 2	1, 2	96HO, 96VHO	12 (30.5)	5 (12.7)	96 (243.8)
TEJD, TEJDA	1, 2	2, 4	48HO, 48VHO	12 (30.5)	5 (12.7)	96 (243.8)
TEJD, TEJDA	1, 2	2, 4	96HO, 96VHO	12 (30.5)	5 (12.7)	192 (487.7)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For tandem double-length unit, add prefix T. Example: TUND.
- Available only with CSA option.
- Consult factory for additional T12 and T12HO configurations.
- Must specify voltage.
- Not available in Canada.

PRODUCT INFORMATION

AF



Intended Use
For mounting heights up to 25' that require high light levels. Ideal for heavy-duty manufacturing areas, warehousing, storage or task lighting.

Construction
Solid-top, 10% uplight or 20% uplight reflector is die-embossed, constructed of heavy-gauge cold-rolled steel and painted after fabri-

cation. Baked white enamel finish standard; porcelain available. Pressure-lock lampholders enclosed in a snap-in turret housing.

Available in 4' or 8' tandem wired lengths. Full-depth end plates available (order separately; one per fixture or row). Accepts plug-in option for one, two or three primary circuits.

Electrical
Ballast: Thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA Certified ballast standard. Sound rating depends on lamp/ballast combination.

AWM, TFN and THHN wire used throughout, rated for required temperatures.

Ballast disconnect provided

standard where required to comply with U.S. and Canadian electrical codes.

Installation
For unit or row installations, surface or suspended mounting.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards. NOM Certified – optional.

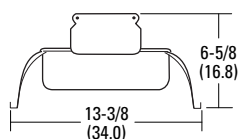
ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: AF 2 32 MVOLT GEB10IS

Series ^{1,4}	Number of lamps	Lamp type	Voltage	Ballast configuration	Ballast	Options
AF 20% uplight	1	32 32W T8 (48")	MVOLT 347 ²	(blank) 1- and/or 2-lamp ballasts per Lithonia Lighting standards	GEB Electronic ballast, ≤20% THD	PLF_ Plug-in wiring; specify 1, 2 or 3 branch circuits and hot wires (A=black, B=red, C=blue, AB or AC)
	2	48 38W slimline (48")				TILW Tandem in-line wiring
AF10 10% uplight	3	48HO 60W 800mA (48")	1/3	One 3-lamp ballast	GEB10IS T8 electronic ballast, ≤10% THD, instant start	EL14 Emergency battery pack (nominal 1400 lumens); see Life Safety section
	4	48T8HO 44W T8 (48")				PO White porcelain reflector finish
AFST Solid reflector	Not included.	48PG 110W 1500mA (48")	1/4	One 4-lamp ballast	GEB10RS T8 electronic ballast, programmed rapid start	ACEP Full-depth end plates (one pair) ³
		96HO 110W 800mA (96")				DLAF ME 30° x 30° metal eggcrate louver, 48" long ³
		96PG 215W 1500mA (96")				DLAF A12 Framed acrylic prismatic lens, #12 ³
		96T8 59W T8 slimline (96")				CSA Meets Canadian standards
		96T8HO 86W T8 380mA (96")				NOM Meets Mexican standards

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For tandem double-length unit, add prefix T. Example: TAFP.
- Available only with CSA option.
- Order accessories as separate catalog numbers.
- Consult factory for additional T12 and T12HO configurations.

PRODUCT INFORMATION

AFP



Intended Use
For mounting heights up to 25' that require high light levels. Ideal for heavy-duty areas, manufacturing, warehousing, storage or task lighting.

Construction
Solid-top or 10% uplight reflector is die-embossed, constructed of heavy-gauge cold-rolled steel and painted

after fabrication. Baked white enamel finish standard; porcelain available. Pressure-lock lampholders enclosed in a snap-in turret housing.

Available in 4' or 8' tandem wired lengths. Full-depth end plates available (order separately; one per fixture or row). Accepts plug-in option for one, two or three primary circuits.

Electrical
Ballast: Thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA Certified ballast standard. Sound rating depends on lamp/ballast combination.

AWM, TFN and THHN wire used throughout, rated for required temperatures.

Ballast disconnect provided standard where required

to comply with U.S. and Canadian electrical codes.

Installation
Mounting: For unit or row installations, surface or suspended mounting.

Listings
UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: AFP 2 32 MVOLT GEB10IS

Series ¹	Number of lamps	Lamp type	Voltage	Ballast configuration	Ballast	Options
AFP 10% uplight	1	28T5 28W T5 (46")	MVOLT 347 ⁴	(blank) 1- and/or 2-lamp ballasts per Lithonia Lighting standards	GEB10IS T8 electronic ballast, ≤10% THD, instant start	PLF_ Plug-in wiring; specify 1, 2 or 3 branch circuits and hot wires (A=black, B=red, C=blue, AB or AC)
	2	32 32W T8 (48")				TILW Tandem in-line wiring
AFPST Solid reflector	3	54T5HO 54W T5HO (46")	1/3	One 3-lamp ballast	GEB10RS T8 electronic ballast, ≤10% THD, programmed	EL55 Emergency battery pack (nominal 390-700 lumens) ⁵
	Not included.	1/4				One 4-lamp ballast
PO White porcelain reflector finish						
DLAF ME 30° x 30° metal eggcrate louver, 48" long ²						
						DLAF A12 Framed acrylic prismatic lens, #12 pattern, 48" long ²
						ACEP Full-depth endplates (1 pair) ²
						CSA Meets Canadian standards
						NOM Meets Mexican standards

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

Notes

- For tandem double-length unit, add prefix T. Example: TAFP.
- Order accessories as separate catalog numbers.
- For detailed mounting information, consult the product specification sheets.
- Available only with CSA option.
- Consult factory for additional battery pack.

PRODUCT INFORMATION

Intended Use

For mounting heights up to 25' requiring low to high light levels and excellent glare control. Ideal for manufacturing assembly lines, inspection areas and warehousing.

Construction

Heavy-duty formed channel with parabolic, deep die-embossed reflector with high-gloss baked polyester finish. Porcelain finish optional.

Center "V" provides 30° cross-wise shielding to minimize glare. 20% upright standard.

Full-depth end plates required. Order separately, one pair per fixture or row.

Reflector aligners and channel connector furnished for continuous-row mounting.

Spring-loaded sockets securely hold lamps in heavy-duty applications.

Electrical

Ballast: Thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA Certified ballast is standard. Sound rating depends on lamp/ballast combination.

AWM, TFN or THHN wire used throughout, rated for required temperatures.

Ballast disconnect provided standard where required

to comply with U.S. and Canadian electrical codes.

Installation

For unit or row installations, surface or suspended mounting. Order end plates separately, one per fixture or row.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

PV



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

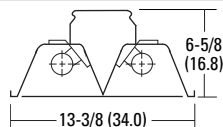
Example: PV 2 32 MVOLT GEB10IS

Series ^{1,3}	Number of lamps	Lamp type	Voltage	Ballast	Options									
PV	2 Not included.	28T5 28W T5 (46")	MVOLT 347 ²	GEB10IS	T8 electronic ballast, ≤ 10% THD, instant start	PO White porcelain reflector finish								
		32 32W T8 (48")					GEB Electronic ballast (F96T8 or F96T8HO only)	PCEP Full-depth end plates required (use one pair per fixture for single unit installations or one pair per row)						
		48 38W slimline (48")							GEB10RS T8 electronic ballast, ≤ 10% THD, programmed rapid start	CSA Meets Canadian standards				
		48HO 60W 800mA (48")									GEB10PS	NOM Meets Mexican standards		
		48T8HO 44W T8 (48")											BINP T8 high-performance ballast, normal ballast factor (.88), instant start	
		48PG 110W 1500mA (48")												BILP T8 high-performance ballast, low ballast factor (.78), instant start

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For tandem double-length unit, add prefix T. Example: TPV.
- Available only with CSA option.
- Consult factory for additional T12 and T12HO configurations.

PRODUCT INFORMATION

Heavy-Duty

Intended Use

Used for general illumination in areas such as manufacturing or warehousing where vibration is an issue.

Construction

Housing formed from cold-rolled steel.

Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Heavy-duty formed channel with high-gloss, baked white polyester finish.

Electrical

Ballast: Thermally protected, resetting, Class P, HPF, non-

PCB, UL Listed, CSA Certified ballast is standard. Sound rating depends on lamp/ballast combination.

AWM, TFN or THHN wire used throughout, rated for required temperatures.

Ballast disconnect provided

standard where required to comply with U.S. and Canadian electrical codes.

Listings

UL Listed. CUL Listed or CSA Certified to Canadian standards – optional. NOM Certified – optional.

SL



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

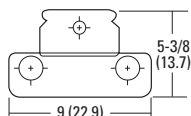
Example: SL 2 96HO 120 GEB CW20

Series ¹	Number of lamps	Lamp type	Voltage	Ballast	Options									
SL Heavy-duty turret strip	1 2 3 4 Not included.	32 32W T8 (48")	120 277 347 ⁶ Others available.	GEB10IS	T8 electronic ballast, ≤ 10% THD, instant start ²	EL Emergency battery pack ⁵								
		48 38W slimline (48")					EL14 Emergency battery pack (nominal 1400 lumens); see Life Safety section ⁶							
		48HO 60W 800 mA (48")						GLR Internal fast-blow fuse (add X for external) ^{7,8}						
		48T8HO 44W T8 (48")							GMF Internal slow-blow fuse (add X for external) ^{7,8}					
		48PG 110W T17 or T12 1500 mA (48")								CS1 6' cordset, NEMA 5-15P SJT, U-ground plug, 120V				
		96 75W slimline (96")									CS3 6' cordset, NEMA L5-15P SJT, twist-lock plug, 120V			
		96HO 110W 800 mA (96")										CS7 6' cordset, NEMA 5-15P SJT, U-ground plug, 277V ⁵		
		96PG 215W T17 or T12 1500 mA											CS11 6' cordset, NEMA L5-15P SJT, twist-lock plug, 277V ⁴	
		96T8 59W T8 slimline (96")												PLF_ Plug-in wiring; specify 1, 2 or 3 branch circuits and hot wires (A=black, B=red, C=blue, AB or AC)
		96T8HO 86W T8 380mA (96")												
	SW Palletized and stretch-wrapped													
		HC36 Chain hanger set packed in channel (36" length for 5" bodies only) ³												
			CSA Meets Canadian standards											
				NOM Meets Mexican standards										

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For tandem double-length unit, add prefix T. Example: TSL.
- Available only with slimline lamps and rapid start ballasts.
- Available only with high-output and very high-output lamps.
- Available only with rapid start lamps.
- Available only with high-output lamps and rapid start ballasts.
- Available only with CSA option.
- Must specify voltage.
- Not available in Canada.

MRS



Intended Use

The MRS strip and industrial retrofit kits are designed to convert existing 4' or 8' strip fixtures to more energy-efficient lamp and ballast technology. Universal bracket design allows easy retrofit to re-lamp or de-lamp, reduce energy consumption, and reduce lamp replacement costs.

Features

Channel covers for strip-to-strip conversion are high-reflectance white painted

aluminum and are secured by included quarter-turn brackets. Industrial reflectors are precision-formed aluminum for optimal performance and are available with high-reflectance white or with highly specular anodized aluminum.

Socket brackets are white pre-painted die-formed aluminum and are adjustable to fit strip widths from 4.0" to 5-1/4". Screw slots allow for easy 48" bracket center-

ing. Edges are rounded for installer safety.

Installs quickly and easily using self-taping Tek screws (included). All products ship as components packaged in job packs for minimal waste at the installation site. Consult factory for component job-pack quantities.

Listings

UL/CUL Listed (standard except for 347V; consult factory). Consult factory for NOM availability.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: MRS8 2 32 MVOLT 1/4 BINP WHR

Series	Number of lamps ¹	Lamp type	Voltage	Ballast configuration	Ballast ¹	Reflectors ¹
MRS4 4' long	1	32 32WT8 (48")	(blank) No ballast, IS ²	(blank) No ballast	(blank) No ballast ²	(blank) White painted channel cover (no reflector)
MRS8 8' long	2	28T5 28WT5 (46")	L/BRS No ballast, RS	1/4 One 4-lamp ballast	T8	WHR White industrial reflector
		54T5HO 54WT5HO (46")	MVOLT Multi-volt	1/2 One 2-lamp ballast	BINP T8 high-performance ballast, normal ballast factor (.88), instant start	SSR Specular industrial reflector, 95% reflective
			347 347V ³	1/3 One 3-lamp ballast	BILP T8 high-performance ballast, low ballast factor (.78), instant start	
				2/2 Two 2-lamp ballasts	BIHP T8 high-performance ballast, high ballast factor (1.2), instant start ⁴	
				T5		
					GEB95 Ballast factor (.95), program start	
					T5HO	
					GEB10PS Ballast factor (1.0), program start	

ADDITIONAL INFORMATION

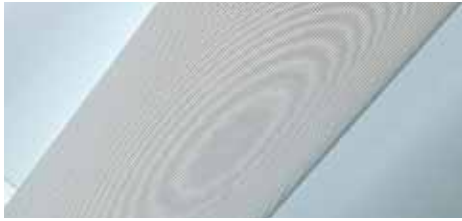
For additional product information, visit www.lithonia.com.

Notes

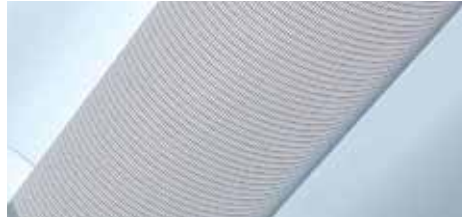
- 1 All components (channel covers or reflectors, sockets, socket brackets and lamps) ship separately in bulk quantities. Consult factory for details.
- 2 When no ballast is selected, standard lampholders shipped will be instant start (IS) sockets. If rapid start (RS) sockets are required, select "L/BRS".
- 3 Consult factory for ballast availability / compatibility.
- 4 Not available in 347V.

AVANTE®

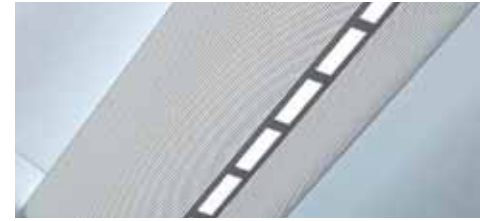
Options



MDR



MDM



MDC



MDS



SBL



ADP

OPTIONS

NOMENCLATURE	DESCRIPTION	AV 1X2	AV 1X2 ASY	AV 1X4	AV 1X4 ASY	2AV 2X2	2AV 2X2 SMD	2AV 2X4	2AV 2X4 SMD	AVSM 1X2	AVSM 1X4	AVSM 1X8
MDR	Metal diffuser round holes	■	■	■	■	■	■	■	■	■	■	■
MDM	Metal diffuser mini-slots	■	■	■	■	■	■	■	■	■	■	■
MDC	Metal diffuser center-slot					■		■				
MDS	Metal diffuser solid					■		■				
SBL	Straight blade louver	■		■		■	■	■		■	■	■
ADP	Acrylic diffuser prismatic					■		■				
ASR	Aluminum stepped reflector	■	■	■	■	■	■	■				
APB	Air pattern control blades	■		■		■		■				
ALG	Acrylic litter guard	■	■	■	■	■	■	■	■	■	■	■
GLR	Internal fast blow fuse	■	■	■	■	■	■	■	■	■	■	■
LP_	Lamped. Specify lamp type and color	■	■	■	■	■	■	■	■	■	■	■
EL	Emergency battery pack (nominal 300 lumens, see Life Safety section)	■	■	■	■	■	■	■	■		■	■
EL55	Emergency battery pack T5/T5HO (nominal 390-700 lumens, see Life Safety section)	■	■	■	■	■	■	■	■		■	■
PWS1836	6" prewire, 3/8" dia., 18-gauge, 3 wires	■	■	■	■	■	■	■	■			
LST	Labor-saving tandem	■	■	■	■	■	■	■	■			
NYC	New York City approved	■	■	■	■	■	■	■	■			
CP	Chicago plenum approved	■	■	■	■	■	■	■	■			

■ = Available

Light Distributions



Symmetric



Asymmetric



Side-Mounted Diffuser (SMD)

Notes

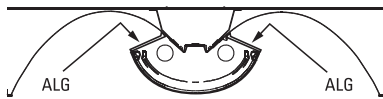
1 Compact fluorescent and T8 only.

AVANTE®

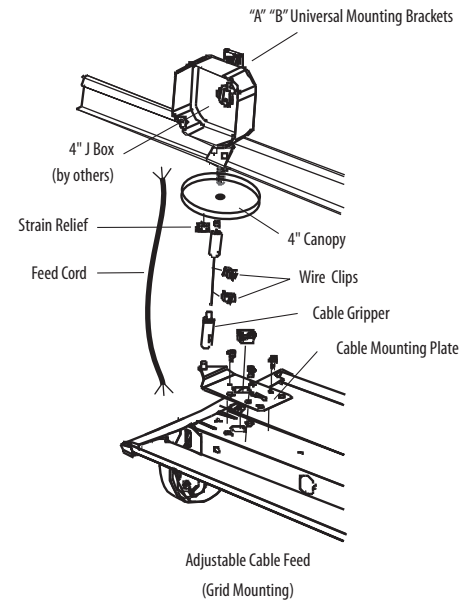
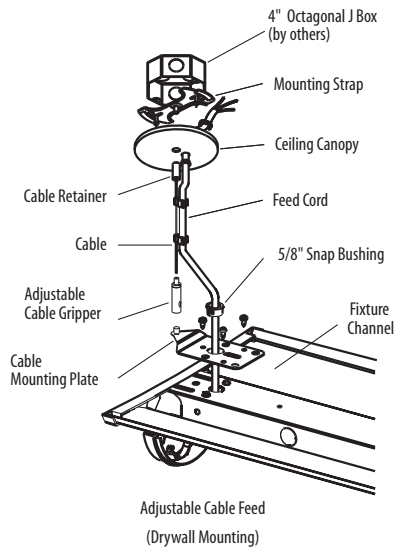
Accessories

AIRCRAFT CABLE ACCESSORIES					
	NOMENCLATURE	DESCRIPTION	AVSM 1X2	AVSM 1X4	AVSM 1X8
ACCESSORIES FOR AVSM ¹	AVAC_	For grid mounting, adjustable cables non-feed individual or row fixtures	■	■	■
	AVACF_	For grid mounting, adjustable cables feed individual fixtures (18 ga SJT)	■	■	■
	AVACF_12AWG	For grid mounting, adjustable cables feed row fixtures (12 ga SJT)	■	■	■
	AVAC_DWL	For j-box or dry wall mounting, adjustable cables non-feed individual or row fixtures	■	■	■
	AVACF_DWL	For j-box or dry wall mounting, adjustable cables feed individual fixtures (18 ga SJT)	■	■	■
	AVACF_DWL12AWG	For j-box or dry wall mounting, adjustable cables feed row fixtures (12 ga SJT)	■	■	■
	SQ_	30" swivel-stem hanger	■	■	■
LENGTHS FOR AVSM EXAMPLE: AVACF30	_30	3" to 30" below ceiling adjustable cable mounting	■	■	■
	_60	30" to 60" below ceiling adjustable cable mounting	■	■	■
	_96	60" to 96" below ceiling adjustable cable mounting	■	■	■
	_144	96" to 144" below ceiling adjustable cable mounting	■	■	■
	SQ_	Lengths up to 48"	■	■	■

DRYWALL CEILING ADAPTER ACCESSORIES ²				
	AV 1X2	AV 1X4	2AV 2X2	2AV 2X4
DGA12	■			
DGA14		■		
DGA22			■	
DGA24				■



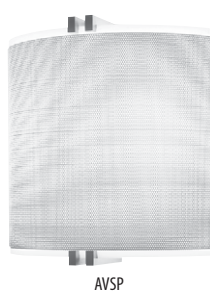
Acrylic litter guard (ALG) is a panel of clear acrylic permanently hinged to each reflector. It effectively prevents litter from gathering in diffuser, yet does not interfere with relamping.



Notes

- 1 Fixtures supplied with 15/16" t-grid mounting hardware standard.
- 2 Use G trim plus DGA accessory for fixture trim flange and fixture support in plaster or plasterboard ceilings.

Surface/Sconces



STATIC & AIR-HANDLING FIXTURES

Door Frames, Lenses and Louvers

Listed below are the door frames and shielding media available for Lithonia Lighting static and air-handling fixtures. The matrix shows the availability for each option within specific fixture families.

Other lenses and louvers are available. Contact your Lithonia Lighting sales representative.



DOOR FRAMES & DIFFUSERS FOR STATIC & AIR-HANDLING TROFFERS

	NOMENCLATURE	DESCRIPTION	SEE PAGE	GT8	SP8/SP5	SP	SP AIR
DOOR FRAMES ¹	RN	Regressed natural anodized aluminum	83	■	■	■	■
	RW	Regressed aluminum, white finish	83	■	■	■	■
	RM	Regressed aluminum, matte black finish	83	■	■	■	■
	FN	Flush natural anodized aluminum	83	■	■	■	■
	FW	Flush aluminum, white finish	83	■	■	■	■
	FM	Flush aluminum, matte black finish	83	■	■	■	■
LENSES AND LOUVERS	A12	#12 pattern acrylic	84	■	■	■	■
	A12125	#12 pattern acrylic, .125" thick	84	■	■	■	■
	RA125	#12 pattern acrylic, reverse apex, .125" thick ²	84		■		
	A19	#19 pattern acrylic, .156" thick	84	■	■	■	■
	ASL	Low-brightness acrylic school lens	84	■	■	■	■
	VL	Vandal-resistant acrylic lens, .375" thick	—	■	■	■	□
	ARF12	Radio frequency shielding (A12; others available)	84	■	■	■	□
	AC	Dropped dish, matte white acrylic	—	■	■	■	
REFLECTIVE SURFACES	PC1	Parabolic plastic-cube, 1/2"x1/2"x1/2" ³	84	■	■	■	□
	PC2	Parabolic plastic-cube, 1-1/2"x1-1/2"x1" ³	84	■	■	■	□
	PC3	Parabolic plastic-cube, 3/4"x3/4"x1/2" ³	84	■	■	■	□
	SSR	95% reflective silver	84	□	■	■	■

■ = Available on all models.

□ = Available on most models; consult factory for exceptions.

Notes

- 1 Flush steel door standard unless otherwise noted. To order door frames, add designation after lamps in catalog number.
- 2 Pattern acrylic, reverse apex, .125" thick.
- 3 Add suffix S for silver or G for gold. Example: PC1G. For acrylic, add A. Example: PC1SA.

Door Frame Finishes

Regressed Aluminum

RN – Natural anodized
 RM – Matte black
 RW – White



Flush Aluminum

FN – Natural anodized
 FM – Matte black
 FW – White



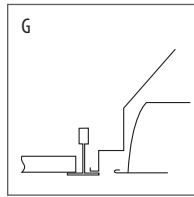
Flush Steel

White (standard)

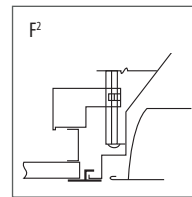


Ceiling Compatibility

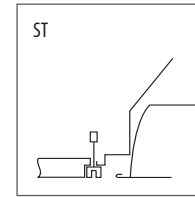
TYPE OF CEILING	PARAMAX® AND OPTIMAX®		
	APPROPRIATE TRIM TYPE		
	G	F	ST
Exposed grid tee	■		
Concealed grid tee	■		■
Concealed Z spline		■	
Screw slot ¹			■
Plaster or plasterboard		■	



Lay-in trim, exposed grid tee

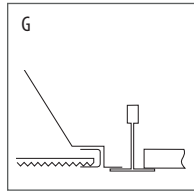


Overlapping flanged trim with swing-gate hangers

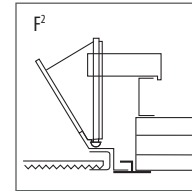


Screw slot trim, lower flush to ceiling

TYPE OF CEILING	SP, SP8, GT8	
	APPROPRIATE TRIM TYPE	
	G	F
Exposed grid tee	■	
Concealed grid tee	■	
Concealed Z spline		■
Metal pan ¹		■
Screw slot ¹	■	
Plaster or plasterboard		■



Lay-in trim, exposed or concealed grid tee



Overlapping flanged trim with swing-gate hangers

Plaster Frames (order separately)

Plaster frames provide a clean, square edge for plaster ceiling openings. Order F trim factory installed on fixture, then order appropriate size plaster frame option for each fixture to be installed. (Not required for drywall ceilings.)

PF4 Pair of sides for 4' long
 PF2 Pair of sides for 2' long
 PFE Pair of ends for 1'x4'
 2PFE Pair of ends for 2' wide
 20PFE Pair of ends for 20" wide

Filler Pans (order separately)

Accessory filler pans to finish out ceiling grids. Side filler pans typically are used when 20"-wide fixtures are installed in 2'-wide grid systems. End filler pans are used to install 4' units into 5' grid systems.

2FP2 Side filler pans (pair), white, 2" wide, 2' long.
 2FP6 End filler pans (pair), white, 6" wide, 2' long.
 4FP2 Side filler pans (pair), white, 2" wide, 4' long.
 20FP6 Side filler pans (pair), white, 6" wide, 20" long.

Drywall Grid Adapter

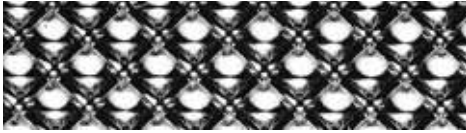
Drywall grid adapters (DGA) are used to install grid trimmed troffers in plasterboard or other hard ceilings. Order DGA accessories separately. Compatible with all lay-in troffers. Order using DGA plus nominal fixture size. Example: DGA24.

Notes

- Consult factory prior to order.
- Requires CRE and CRM trim options for continuous row mounting. Metric versions of some recessed fluorescent fixtures are available. Consult www.lithonia.com for details.

PRODUCT INFORMATION

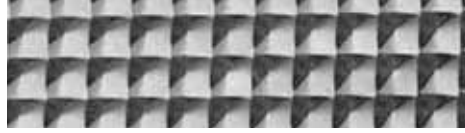
Lens Options¹



A12²

- Standard Lithonia Lighting shielding
- Extruded, clear 100% acrylic
- 3/16" female prisms
- Nominal .095" thick (.125", .156" and .187" optional)^{3,4}

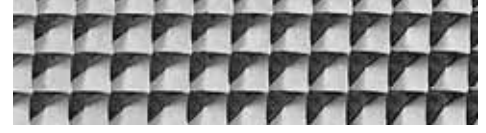
Example: 2GT8 4 32 A12 MVOLT 1/4 GEB10IS



A19

- High VCP — very low brightness in direct glare zone
- 3/16" square-base male conical prisms
- High efficiency
- Minimizes lamp image
- Nominal .156" thick (.187" optional)⁴

Example: 2SP8 G 3 32 A19 MVOLT 1/3 GEB10IS



ASL

- Acrylic school lens, developed for lighting applications where brightness control is critical (schools, libraries, etc.)
- Extruded, clear 100% acrylic
- Nominal .156" thick (.187" optional)⁴

Example: 2SP8 G 3 32 ASL MVOLT 1/3 GEB10IS



PC1

- Injection-molded parabolic polystyrene plastic louver
- 1/2"x1/2"x1/2" square cell, 45° shielding
- Specify choice of specular gold (G) or specular silver (S)

Example: 2SP8 G 3 32 PC1S MVOLT 1/3 GEB10IS



PC2

- Injection-molded parabolic polystyrene plastic louver
- 1-1/2"x1-1/2"x1" square cell, 35° shielding
- Specify choice of specular gold (G) or specular silver (S)

Example: 2SP8 G 3 32 PC2S MVOLT 1/3 GEB10IS



PC3

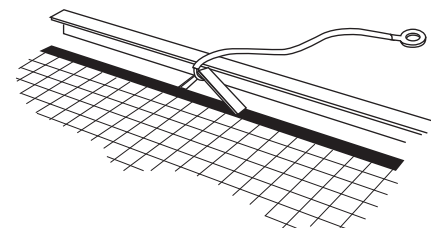
- Injection-molded parabolic polystyrene plastic louver
- 3/4"x3/4"x1/2" square cell
- Specify choice of specular gold (G) or specular silver (S)

Example: 2SP8 G 3 32 PC3S MVOLT 1/3 GEB10IS



Small-Cell

- Small-cell aluminum parabolic louvers for SP AIR and SP8
- Choice of cell size and 1-1/2" or 3/4" depth
- Specify number of cells plus louver depth (15 for 1.5" and 75 for .75") and finish. For 78 cells, 1.5" deep, specular finish:
Example: 2SP G B 3 32 7815LS MVOLT 1/3 GEB10IS.



AFR — Radio Frequency Shielding

- For hospitals, TV stations or where sensitive electronic equipment is in use
- Choice of patterns and thicknesses⁴
- Not available in fixtures with lens gasketing

Reflective Surface

- SSR 95% minimum-reflectance silver inserts. 10-year warranty by material manufacturer.

Notes

- 1 Additional lenses and louvers available. Consult www.lithonia.com for details.
- 2 Reverse apex prism design used on SP8 only.
- 3 For .125", specify RA125.
- 4 To order any lens with optional thickness, add thickness to designation.
Example: 2SP8 G 3 32 A12125 MVOLT GEB10IS

Listed below are major electrical wiring and other options available for Lithonia Lighting static and air-handling fixtures. The matrix shows the availability of each option within specific fixture families.

Certain combinations of options are incompatible in the same fixture. Consult factory for details.

STATIC & AIR-HANDLING FIXTURES

Electrical, Wiring & Misc. Options



ELECTRICAL, WIRING & MISCELLANEOUS OPTIONS FOR STATIC & AIR-HANDLING TROFFERS															
To order, add designation as a suffix to fixture catalog number, unless otherwise noted.															
	NOMENCLATURE	DESCRIPTION	SEE PAGE	GT8	SP8/SP5	SP	SP AIR	PM2/PM4	PMO/PM3/HPM3	2PM3N	NAT/CNAT	AV	WW	RT5/RT8	ES8
ELECTRICAL	-	Ballast options	89	■	■	■	■	■	■	■	■	■	■	■	■
	-	Dimming ballast	89	□	□	■	□	□	□	□	□	□	□	■	□
	MVOLT	Multi-volt ballasts (120-277V) ¹	—	■	■	■	■	■	■	■	■	■	□	■	■
	EL/EL14	Emergency lighting ²	89	■	■	■	■	■	■	■	■	■	□	■	■
	GLR/GMF	Fusing	88	■	■	■	■	■	■	■	■	■	■	■	■
	RIF	Radio interference filter	88	■	■	■	■	■	■	■	■	■	■	■	■
	FR	Labeled for fire-rated ceiling	88	■	■	■	■	■	■	■	■	■	■	■	■
WIRING	PW_	Prewiring	88	■	■	■	■	■	■	■	■	■	■	■	■
	LST	Labor-saving tandem	86	■	■	■	■	■	■	■	■	■	□	■	■
	-	RELOC [®] wiring systems	91	■	■	■	■	■	■	■	■	■	■	■	■
MISCELLANEOUS	2R	Two channel covers installed	—					■		■					
	TPS/TP4	Tamper-resistant door ³	88		■										
	LG	Additional lens gasketing	—	□	□	□	■								
	HTC	T-bar safety clips (snap-on) ⁴	88	■	■	■	■	■	■	■		■			
	LATC	T-bar safety clips (screw-on) ⁴	88	■	■	■	■	■	■	■	■	■		■	■
	APB	Air-pattern control blades	87				■	■	■	■					
	HRD	Heat-removal dampers	—				■	■	■	■					
	ACS	Air closure strips	87				■	■	■	■					
	-	Lamps furnished and installed	88	■	■	■	■	■	■	■		■	■	■	■
	JP	Job pack ⁵	89	■	■	■	■	■	■	■		■	□	■	■

■ = Available on all models.

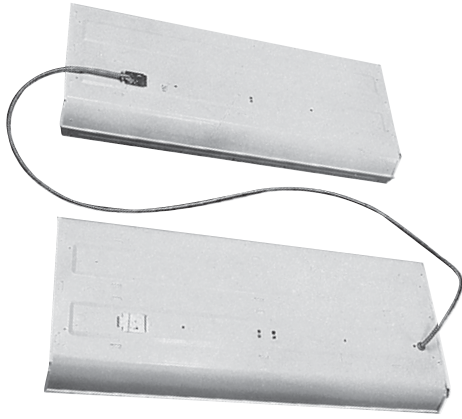
□ = Available on most models; consult factory for exceptions.

Notes

- 1 Consult factory for availability.
- 2 Addition of emergency battery pack options may increase overall fixture depth. Consult factory.
- 3 TPS = one tamperproof screw per latch, TP4 = 4 tamperproof screws (2 on latch side, 2 on hinge side).
- 4 Integral T-bar safety clips are standard for most models of GT8, SP8, ES8, RT5, AV, SP, 2PM2, 2PM4, 2PM3N and 2PMO fixture families. Also available on 1x4 PM3, PMO and HPM3 fixtures. Consult factory for specific exceptions.
- 5 Palletized and stretch-wrapped without individual cartons. Available for G (grid) and MT (modular) trims only.

PRODUCT INFORMATION

LABOR-SAVING TANDEM OPTIONS

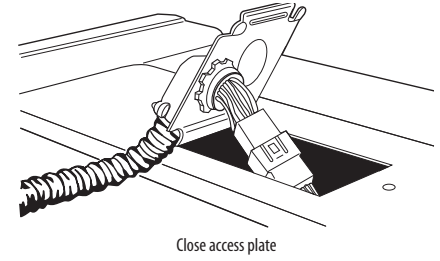
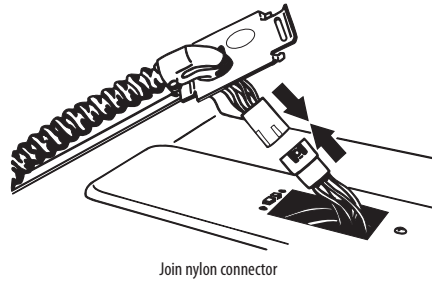


- Reduces the number of ballasts required for fluorescent fixtures.
- Simple, snap-together design.
- Uses half the connections, and uses half the wiring and components.
- Available on all sizes and types of Lithonia Lighting fixtures with access plates. Wiring connections for both fixtures located at one access plate.
- Interconnection cable is fully prewired and pre-assembled.
- Polarized nylon plugs ensure positive connections and prevents miswiring.
- Identified ballast leads simplify multi-level switching.
- Simply wire in the master unit using hard wiring, prewiring or RELOC® wiring. Then snap-connect the satellite unit to the master unit. Installation is complete.

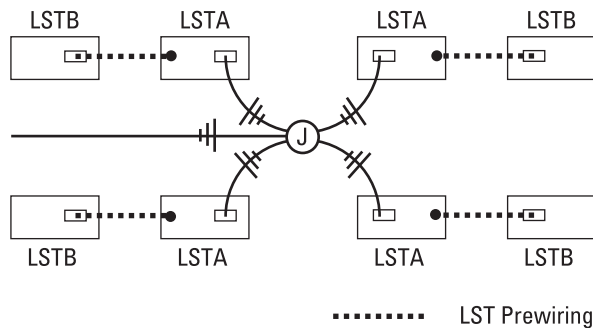
ORDERING INFORMATION

Example: 2SP8 G 3 32 A12 MVOLT GEB10IS LST11

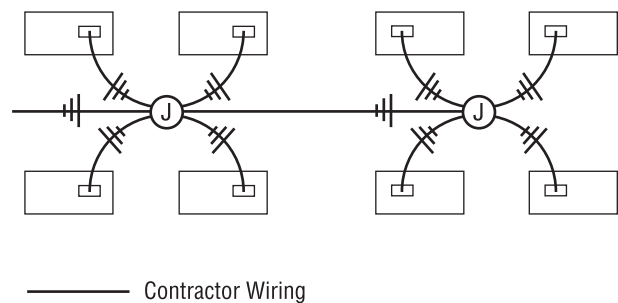
- Select desired troffer model.
- Add one of the following as a suffix to standard Lithonia Lighting catalog number:
 - LST 9' cable (standard cable length)
 - LST7 7' cable
 - LST11 11' cable
- Consult factory for other lengths.
- Not available for use with dimming ballast.
- Order fixtures in pairs. Factory will supply correct number of master and satellite units.
- Not available with energy-saving T8 lamps.



LST Method (saves up to 40% of installation labor and wiring costs)



Conventional Method



Lithonia Lighting manufactures a complete line of fixtures designed to provide any level of air-handling capability, from simple heat removal to a combination of all air functions. Compatible with a full range of air equipment by major manufacturers, these fixtures comprise the most complete and comprehensive family of air-handling fixtures available.

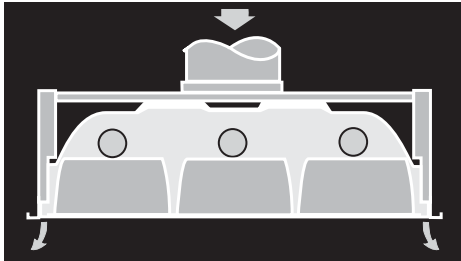
Ductwork, including air boots, supplied by others.

Best choice for...

- Dependable performance
- Application flexibility
- Air-equipment compatibility

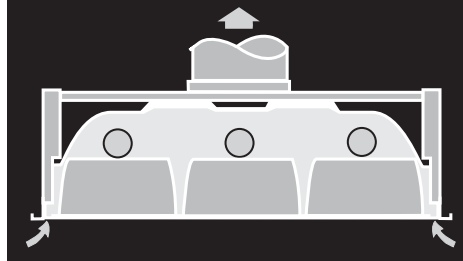
AIR-HANDLING OPTIONS

Complete Air-Handling Capability (available on SP AIR, Paramax® and Optimax® fixtures)



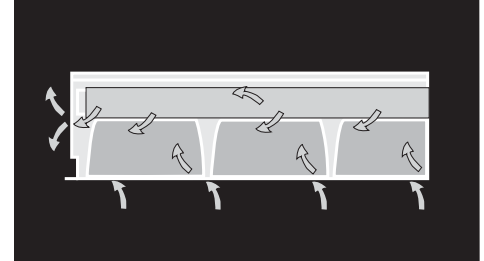
A – Air Supply

Air is supplied to occupied space through slots in side rails. Air diffusers connected to slots provide cooled or heated air to the space. Optional air-pattern control blades control airflow.



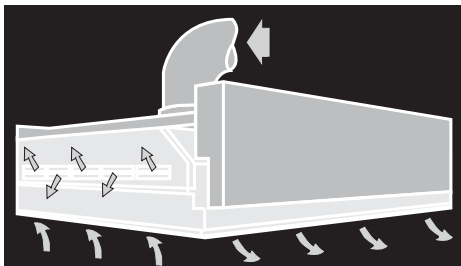
A – Air Return

Air is removed from occupied space through slots in side rails. Air is returned to plenum or to air diffusers connected to slots.



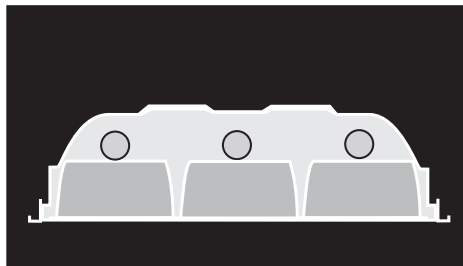
H – Heat Removal

Room air and fixture heat are removed through slots in the top or end of fixture housing. Slots in top are louvered to minimize entry of plenum contaminants into lamp cavity. Optional dampers available to control air flow.



D – All Air Functions

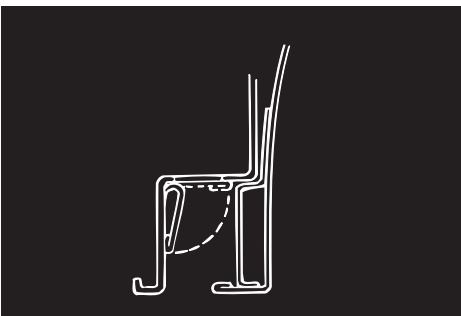
Full-function air-handling capability. Dual-function air supply and/or return through side rails and heat removal through lamp cavity.



B – No Air Functions

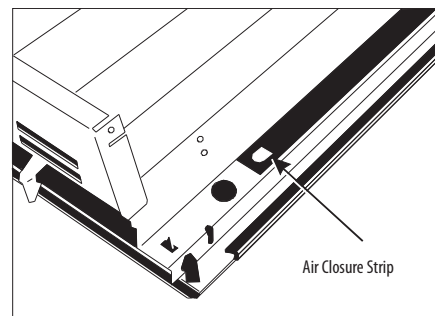
Static troffer that provides no air functions, but matches other models in appearance for continuity of design.

Air Control Options



APB – Air-Pattern Control Blades

Designed to adjust or direct airflow on air supply/return models. Adjusts without tools from fully open to fully closed. Accessible from below.



ACS – Air Closure Strips

Designed to convert fixture from air-handling to static in the field (no tools required). Not accessible from below.

MISCELLANEOUS

PW – Rewiring Option

(Troffers only)

Complete range of prewired whips for every installation requirement.

- Factory-installed flexible cable, wired into fixture through access plate.
- 3/8" cable with snap-in connectors standard. 1/2" cable optional.
- Choice of wire gauge.
- Up to five wires, including one neutral (white) and one ground (green) – permits multi-level switching.
- Ready to connect to J-box.



PW1236	6' prewire, 1/2" dia., 12-gauge, 1 circuit
PW1246	6' prewire, 1/2" dia., 12-gauge, 2 circuit
PW1256	6' prewire, 1/2" dia., 12-gauge, 3 circuit
PW1836	6' prewire, 1/2" dia., 18-gauge, 1 circuit
PW1846	6' prewire, 1/2" dia., 18-gauge, 2 circuit
PW1856	6' prewire, 1/2" dia., 18-gauge, 3 circuit
PWS1236	6' prewire, 3/8" dia., 12-gauge, 1 circuit
PWS1246	6' prewire, 3/8" dia., 12-gauge, 2 circuit
PWS1256	6' prewire, 3/8" dia., 12-gauge, 3 circuit
PWS1836	6' prewire, 3/8" dia., 18-gauge, 1 circuit
PWS1846	6' prewire, 3/8" dia., 18-gauge, 2 circuit
PWS1856	6' prewire, 3/8" dia., 18-gauge, 3 circuit

Example: 2GT8 3 32 A12 MVOLT 1/3 GEB101S PWS1836

Insulation

- IC Insulation contact (recessed)
Consult factory.

Lamps Furnished and Installed

(Troffers only)

LP730	70+ CRI, 3000°K
LP735	70+ CRI, 3500°K
LP741	70+ CRI, 4100°K
LP830	80+ CRI, 3000°K
LP835	80+ CRI, 3500°K
LP841	80+ CRI, 4100°K
L830HT8	85 CRI, 3000°K, long life, 3100 lumens
L835HT8	85 CRI, 3500°K, long life, 3100 lumens
L841HT8	85 CRI, 4100°K, long life, 3100 lumens
LPM830P	80+ CRI, 3000°K, premier lamp
LPM835P	80+ CRI, 3500°K, premier lamp
LPM841P	80+ CRI, 4100°K, premier lamp
L830XP	80+ CRI, 3000°K, premier XP
L835XP	80+ CRI, 3500°K, premier XP
L841XP	80+ CRI, 4100°K, premier XP

Example: 2SP8 G 3 32 A12 120 GEB101S LP735

Radio Interference Filters

- RIF Inductive capacitor circuit designed to minimize interference from feedback into line. 120V or 277V, 50Hz or 60Hz. Order either one per fixture (RIF1) or one per ballast (RIF2).
Example: 2SP8 G 3 32 A12 277 GEB101S RIF1
- EIS Inductive capacitor circuit designed to minimize interference from feedback into line. Meets MIL-STD 461A/462/463. Order either one per fixture (EIS1) or one per ballast (EIS2).
Example: 2SP8 G 3 32 A12 120 GEB101S EIS2

Construction for Fire-Rated Ceilings

(Troffers only)

- FR Lithonia fluorescent troffers are UL Listed and are compatible with UL fire-rated ceiling assemblies. Upon request for the FR option, the FR label is applied to the back of the housing. Label states: This troffer is specially designed to be installed in fire-rated or insulated ceilings.

Example: 2GT8 4 32 A12 MVOLT 1/4 GEB101S FR

NOTE: Not applicable for CSA or NOM listings. Some dimming and some compact lamp troffers may require electronic ballasts.

T-Bar Safety Clips

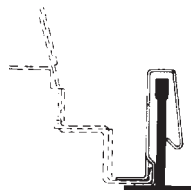
(Troffers only)

- LATC Hold-down clips to secure troffer to T-bar. Field installed. Attach by screwing to fixture end plates. Four furnished per fixture.
Example: 2PM4 G B 3 32 18LD MVOLT 1/3 GEB01S LATC

Note: Safety clips may be used on fixtures with integral T-bar clips if additional means of attachment are required.

Snap-on Clips (Troffers, RR, CRR)

- HTC Hold-down clips to secure troffer to T-bar. Four furnished per fixture.



Fusing

One per ballast furnished. Fusing not recommended for use with 277V magnetic dimming ballasts.

Internal Fusing

- BKTK Internal fast-blow fuse. For use in 347V fixtures.
GLR Internal fast-blow fuse.
GMF Internal slow-blow fuse

External Fusing

- (Strips and open industrials only)
GLRX External fast-blow fuse.
GMFX External slow-blow fuse.

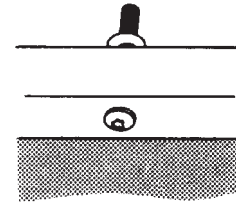


Tamper-Resistant Doors

Tamper-resistant TORX® head T20H (with pin) screws to secure door to housing.

- TPS TORX head T20H screws – 1 per latch
TP4 TORX head T20H screws – 2 latch side/ 2 hinge side
Example: 2SP8 G 3 32 A12 MVOLT TPS

Note: Four TORX head T20H screws are standard on VRS and VRT Series.

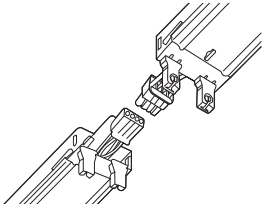


Spring Latches

(Troffers and M Series only)

- SLL Spring-loaded latch option (M Series only)
SAL Spring-action latch option (2GT8 only)
MCL Rotary cam latch (GT8 and SP8 only)
Example: 2M 4 32 FW A12 MVOLT GEB101S SLL

Tandem Quick-Connect Plug-In



Fully prewired secondary wiring for continuous row, strip and industrial applications. Simply install two channel sections and connect plugs.

One worker can install – more efficient than a two-worker installation of one 16-foot length. Lock-together nylon plugs are polarized to prevent miswiring.

Available on all tandem-wired (T) strip, industrial fixtures and a variety of architectural row-mounted products.

TWP and TILWP available. Consult factory.

Ballast Options

- GEB10IS Electronic ballast, instant start, ≤ 10% THD, MVOLT (120-277V) standard. Factory choice, T8 and CF40.
- GEB10PS Electronic ballast, program start, ≤ 10% THD, MVOLT (120-277V) standard. Factory choice, T5 and T8H0.
- GEB10RS Electronic ballast, rapid start, ≤ 10% THD, MVOLT (120-277V) standard. Factory choice, T8, CF40 and TT5.
- BINP High-efficiency T8 electronic ballast, instant start, ≤ 10% THD, MVOLT (120-277V) standard. Factory choice.
- BPNP High-efficiency T8 electronic ballast, program start, ≤ 10% THD, MVOLT (120-277V) standard. Factory choice.
- BSNP High-efficiency T8 electronic ballast, step dimming (100-50%) program start, ≤ 10% THD, MVOLT (120-277V) standard. Factory choice.
- GEB95 High-efficiency T5 electronic ballast, program start, ≤ 10% THD, MVOLT (120-277V) standard, 0.95 ballast factor. Factory choice for T5 and T5H0. Also available in 0.80, 0.90 and 1.15 ballast factors. Available in select fixture models.
- GEB95S High-efficiency T5 electronic ballast, step dimming (100-50%), program start, ≤ 10% THD, MVOLT (120-277V) standard, 0.95 ballast factor. Factory choice for T5 and T5H0. Also available in 0.80, 0.90 and 1.15 ballast factors. Available in select fixture models.
- Dimming Several options available including low voltage, line voltage and addressable dimming systems.

Generic nomenclature above represents normal (0.87 or 0.88) ballast factor, except when noted otherwise. Other choices available. Ballast manufacturer may be specified. Consult factory for nomenclature. Additional ballast information available on www.lithonia.com.

Emergency Battery Packs

Factory-installed Lithonia Emergency Systems battery pack available for most fluorescent fixtures. See page 474 for lamp and ballast compatibility. Addition of an emergency option may increase fixture depth in some 2'x2' troffers. Consult factory.

Emergency Battery Packs (cont.)

UL Listed	CSA Certified	
EL	B100C	Fixture equipped for one-lamp emergency operation of 4' lamps. (PS300QD installed)
EL5	B90C	Fixture equipped for one-lamp emergency operation of 4' lamps. (PS500QD installed)
EL6	B70C	Fixture equipped for one-lamp or two-lamp emergency operation of 4' lamps and one-lamp emergency operation of 8' lamps. (PS600QD installed)
EL14	B50C	Fixture equipped for one-lamp or two-lamp emergency operation of 4' lamps and one-lamp operation of 8' lamps. (PS1400QD installed)
EM	CEM	Inverter only option. Fixture labeled for emergency use, no integral ballast.

Add suffix DW to catalog number to specify damp/wet listing. UL Listed only. Example: EL6DW

Cordsets

Grounded, three-wire cordsets (black) are 6' long, 18-gauge, with SJT insulation. Prewired to fixture. Others available; consult sales representative.

- CS1 120V, U-ground plug (NEMA 5-15P)
- CS3 120V, twist-lock plug (NEMA L5-15P)
- CS7 277V, U-ground plug (NEMA 7-15P)
- CS11 277V, twist-lock plug (NEMA L7-15P)
- CS24 347V, twist-lock plug (NEMA L24-20P)

Example: AF 2 96T8 GEB CS7



Packaging

Job-site load of fixtures on pallets, wrapped without individual cartons. Secured to pallet.

- No carton disposal.
- Faster and easier to unpack.
- Paramax® and other Lithonia Lighting troffers packed with end protectors secured to pallet by heavy-duty plastic.
- Industrials and strips protected by heavy-duty corrugated sheet and secured to pallet. Reflectors packed separately.

JP Job Pack
Consult factory for availability.

Add suffix JP to fixture catalog number. Factory will determine number of fixtures per pallet.

Example: 2GT8 4 32 A12 MVOLT GEB10IS JP



MISCELLANEOUS

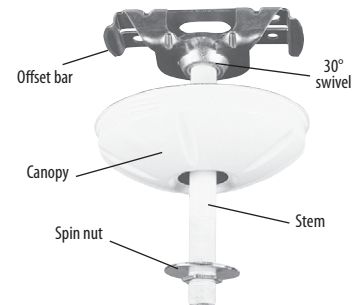
Ceiling Spacer (order separately)

- 1B Hanger spaces fixtures 1-1/2" to 2-1/2" from ceiling. For unit mounting, order two per fixture; for row mounting, order one per fixture plus one per row. Standard pack: 2, 20, 100.



Swivel-Stem Hangers (order separately)

- SQ_ Complete assembly with stem up to 48" (consult factory for longer lengths). Specify stem length in 2" increments and adjust as needed. 5/8" O.D. stem. Swivels 30° from vertical in any direction. Example: SQ24
- HDSQ_ Complete heavy-duty assembly. Specify length in 2" increments and adjust as needed, swivels 45° from vertical. Example: HDSQ36
- ST_ Pipe stem only. Specify length up to 60". Example: ST18
- Q Canopy, offset bar and parts only.
- ST_TBE Pipe stem only, threaded both ends. Coupler included. Specify length from 6" to 60". Example: ST48TBE.



Double-Stem Hangers (order separately)

- DSH24 Complete assembly with double canopy and two 24" stems on 10" centers. For most 4' fixtures. Other stem lengths available.



SURFACE MOUNT

Electrical, Hanging & Misc. Options

Listed below are the major electrical and other options available for Lithonia Lighting fluorescent fixtures. The matrix shows the availability of each option within specific fixture families.

Additional options and accessories are available. Contact your Lithonia Lighting sales representative for more information.



ELECTRICAL, HANGING & MISCELLANEOUS OPTIONS FOR COMMERCIAL FIXTURES

Order hanging devices as accessories, using separate catalog numbers. Order options by adding suffix to catalog number, unless otherwise noted.

	NOMENCLATURE	SEE PAGE	PMOX/PM3X	M	AW	CA	SB	LB/CB	CS	CLM	VC	RTX
ELECTRICAL	—	Ballast options	89	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	—	Dimming ballast	89	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	EL/EL14/EL55/EL65	Emergency lighting	89	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	GLR/GMF	Fusing	88	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	RIF	Radio interference filter	88	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
HANGING DEVICES	SQ ¹	Swivel-stem hanger	89	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	DSH24	Double-stem hanger	89			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
	1B	Ceiling spacer	89	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	HRC/HRC1	Hooker hanger	93					<input checked="" type="checkbox"/>				
MISCELLANEOUS	SSR	95% reflective silver	84	<input type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

■ = Available on all models.

□ = Available on most models; consult factory for exceptions.

PRODUCT INFORMATION

Advanced plug-in system with three-circuit capability. Available on industrial and strip products and a variety of architectural products mounted in continuous rows. 1, 2, 3 and 4-lamp fixtures. PLF22 (2-circuit) and PLF33 (3-circuit) crossover harness

switches hot circuit serving next fixture in row. Reduces fixture types on job for alternating circuit applications (see example below.)

Easy one-step installation, saves up to 35% on labor costs. Expanded switching flexibility helps save energy.

Rows can be 50% longer with two-circuit systems. Polarized, lock-together nylon connectors prevent mis-wiring in the field. #12 THHN conductor, rated 600V, 90°C. White neutral wire included. Grounding accomplished by fixture in-row connectors.

CSA Certified systems available with up to 2 circuits. G ground required.

PLF

Advanced 3-Circuit Plug-In



Example: UND 2 96HO 120 ES PLF3C

ORDERING INFORMATION

Series/ Number of hot wires/ Branch circuits/ Ground

Series	Number of hot wires	Branch circuits	Ground
PLF	(blank) Not required for 22 or 33	Circuits to which ballast is connected	(blank) No ground in PLF
PLF22	1 Black	(blank) Not required for 22 or 33	G Ground. Maximum 2 circuits
PLF33	2 Black and red	A Black wire	
	3 Black, red and blue ¹		
		B Red wire	
		C Blue wire ¹	
		AB Outboard lamps to black, inboard to red	
		AC Outboard lamps to black, inboard to blue	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Typical Applications

- Multiple-circuit and single-circuit for longer continuous rows
- Multiple-circuit with alternating fixtures on separate circuits, 2-circuit (PLF 22) and 3-circuit (PLF 33)
- Multiple circuit with night-lights located along row as desired

TYPICAL APPLICATIONS										
PLF 3 C (All PLF22)	PLF 3 C	PLF 3 C	PLF 3 C	PLF 2 B	PLF 2 B	PLF 2 B	PLF 2 B	PLF 1	PLF 1	PLF 1
Circuit A	Circuit B	Circuit A	Circuit B	Circuit A	Circuit B	Circuit A	Circuit B	Circuit A	Circuit B	Circuit A
(All PLF33)										
Circuit A	Circuit B	Circuit C	Circuit A	Circuit B	Circuit C	Circuit A	Circuit B	Circuit C	Circuit A	Circuit B
PLF 3 A	PLF 3 A	PLF 3 A	PLF 3 C	PLF 3 B	PLF 3 B	PLF 3 B	PLF 3 C	PLF 3 A	PLF 3 A	PLF 3 A

Notes

1 Ground not available.

PRODUCT INFORMATION

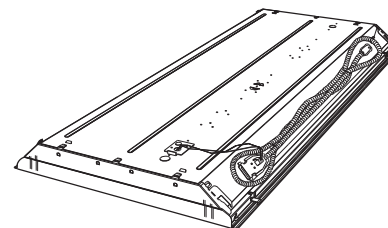
Order RELOC wiring with lay-in troffers and parabolics for use in buildings, schools and retail stores.

Access plates have one pre-punched knockout to speed up installation.

UL listed autoground. Fixtures are automatically grounded as soon as the access plate is snapped in place. No ground leads to connect.

Auto-latching springs allow for an easy, secure connection and prevent accidental disengagement.

RELOC[®]



RELOC				
SYSTEM	RECESSED FIXTURE CABLE TYPE	STANDARD WIRING INSTRUCTION	WIRING INSTRUCTION INDICATOR	RELOC TO ADD TO FIXTURE DESCRIPTION
Quick-Flex [®]	QFC_12/2G	Ballast wired to Hot #1	A	QFC2_A
Quick-Flex	QFC_12/3G	Ballast wired to Hot #1 ---Cap Hot #2	A	QFC3_A
820	SSC_D	Ballast wired to Hot #1	A	SSCD_A
820	SSC_E	Ballast wired to Hot #1 ---Cap Hot #2	A	SSCE_A
Quick-Flex	QFC_12/3G	Cap Hot #1-- Ballast wired to Hot #2	B	QFC3_B
820	SSC_E	Cap Hot #1-- Ballast wired to Hot #2	B	SSCD_B
820	SSC_F	Cap Hot #1-- Ballast wired to Hot #2--- Cap Hot #3	B	SSCF_B
820	SSC_F	Cap Hot #1-- -Cap Hot #2---Ballast wired to Hot #3	C	SSCF_C
Quick-Flex	QFC_12/3G	Outboard Ballast wired to Hot #1--Inboard Ballast wired to Hot #2	AB	QFC3_AB
820	SSC_E	Outboard Ballast wired to Hot #1--Inboard Ballast wired to Hot #2	AB	SSCE_AB
820	SSC_F	Outboard Ballast wired to Hot #1--Inboard Ballast wired to Hot #2---Cap Hot #3	AB	SSCF_AB
Quick-Flex	QFC_12/3G	Ballast wired to Hot #1---Battery Pack wired to Hot #2	AE	QFC2_AE
820	SSC_E	Ballast wired to Hot #1---Battery Pack wired to Hot #2	AE	SSCE_AE
820	SSC_F	Outboard Ballast wired to Hot #1--Inboard Ballast wired to Hot #2---Battery Pack wired to Hot #3	ABE	SSCF_ABE
Quick-Flex	QFC_12/3G	Ballast and Battery Pack wired to Hot #1	AENL	QFC3_AENL
820	SSC_E	Ballast and Battery Pack wired to Hot #1	AENL	SSCE_AENL
Quick-Flex	QFC_12/3G	Ballast and Battery Pack wired to Hot #2	BENL	QFC3_BENL
820	SSC_E	Ballast and Battery Pack wired to Hot #2	BENL	SSCE_BENL
820	SSC_F	Ballast and Battery Pack wired to Hot #3	CENL	SSCF_CENL
820	SSC_F	Cap Hot #1, Cap Hot #2, Outboard Ballast, Inboard Ballast and Battery Pack wired to Hot #3	ABENL	SSCF_ABENL

PRODUCT INFORMATION

STRIPS & INDUSTRIALS

Electrical, Hanging & Misc. Options

Listed below are the major electrical and other options available for Lithonia Lighting strip and industrial fixtures. The matrix shows the availability of each option within specific families.

Additional options and accessories are available. Contact your Lithonia Lighting sales representative for more information.



ELECTRICAL, HANGING & MISCELLANEOUS OPTIONS FOR STRIPS & INDUSTRIALS¹

Order hanging devices and wireguard accessories as separate catalog numbers. Order options by adding suffix to catalog number, unless otherwise noted.

	NOMENCLATURE	DESCRIPTION	SEE PAGE	SM	SS/SST	AF/AFP	PV	EJS/EJD	L/LA	RR/CRR/CRRS	MSS/MS5SS	Z STRIP	S	C	UNS/UND	
ELECTRICAL	PLR_G/PLF_G	Plug-in	89	■	■	■	■	■	■	■	■	■	■	■	■	
	TWP	Tandem quick-connect	89	■	■	■	■	■	■	■	■	■	■	■	■	
	EL/EL14/EL55/EL65	Emergency lighting ⁴	89	□	□	■	■	■	■	■	■	■	■	■	■	
	GLR/GMF	Fusing	88	■	■	■	■	■	■	■	■		■	■	■	
	RIF	Radio interference filter	88	■	■	■	■	■	■	■			■	■	■	
	CS1	Cordset, 120V (U-ground plug)	89	■	■	■	■	■	■			■	■	■	■	■
	CS3	Cordset, 120V (twist-lock grounded plug)	89	■	■	■	■	■	■			■	■	■	■	■
	CS7	Cordset, 277V (U-ground plug)	89	■	■	■	■	■	■			■	■	■	■	■
HANGING DEVICES ²	CS11	Cordset, 277V (twist-lock grounded plug)	89	■	■	■	■	■	■			■	■	■	■	■
	THUN	Tong (slide clamp) hanger	93			■	■	□	■	■				■	□	
	TH2UN	Hooker hanger	93					□							□	
	THC	Hooker hanger	93		□				■					■		
	HR_	Hooker hanger	93			■	■	□	□					□	□	
	ZSPRG	Z-spring hanger	93								■					
	SQ_	Swivel-stem hanger	89	□	□	■	■	■	■		■		■	■	■	
	DSH24	Double-stem hanger	89		□	□	□	□	□					□	□	□
	1B	Ceiling spacer	89	□	□	■	■	□	□		■	■	■	■	■	■
MISCELLANEOUS	HC36	Chain hanger	93		□	■	■	□	■		■	■	■	■	■	
	PAF	Post paint 92% reflectivity	—	■	■	■	■	■	■	■		■	■	■	■	
	WG_	Wireguards	93	■	■	■	□	■	■		■	■	■	■	■	
	AL	Aluminum housing	—		■						■	■		■		

■ = Available on all models.

□ = Available on most models; consult factory for exceptions.

Notes

- Order options by adding suffix to catalog number, unless otherwise specified.
- Order hanging devices as separate catalog numbers.
- Available on most 4' fixtures. Consult factory.
- Consult www.lithonia.com for additional emergency lighting options.

STRIPS & INDUSTRIALS

Wireguard & Hanger Options

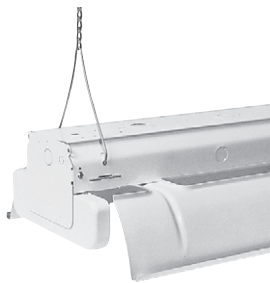
WIREGUARDS ¹					
	NOMENCLATURE	TYPE	STANDARD DUTY	HEAVY DUTY	SUPER DUTY
Z STRIP SERIES	WGZ48	Standard			
	WGZ46	Standard		■	
	WGZ85MR48	6" wide symmetric - 48" long		■	
	WGZ55MR46	6" wide symmetric - 46" long		■	
	WGZ8ASR48	Asymmetric		■	
	WGZ5ASR46	Asymmetric		■	
S STRIP SERIES	WGS	Standard	■		
	WGS11	Standard			■
	WGCASR	Asymmetric	■		
C STRIP SERIES	WGCUN NST	Standard	■		
	WGC5MR	Symmetric	■		
	WGCASR	Asymmetric	■		
MSS LOW PROFILE STRIP SERIES	WGM55	Standard	■		
	WGM55MR48	5" wide symmetric - 48" long	■		
	WGM55ASR48	Asymmetric	■		
UND/UNS HEAVY DUTY STRIP SERIES	WGCUN NST	Standard	■		
WIDE HEAVY DUTY STRIP SERIES	WG2UN	Standard	■		
L LOW BAY INDUSTRIALS	WGL	12" wide symmetric - 48" long	■		
	WGL11	12" wide symmetric - 48" long			■
EJ LOW BAY INDUSTRIALS	WGEJZ	12" wide symmetric - 48" long	■		
	WGEJ11	12" wide symmetric - 48" long			■
	WGEJ 05	12" wide symmetric - 48" long	■		
	WG2EJ	16" wide symmetric - 48" long	■		
AF / PV LOW BAY INDUSTRIALS	WGAFPV	14" wide symmetric - 48" long	■		
	WGAFPV11	14" wide symmetric - 48" long			■
SL LOW BAY INDUSTRIALS	WGSL	14" wide symmetric - 48" long	■		

■ = Available

Chain Hangers (order separately)

HC Wire hook and 36" chain set, option or accessory. One pair per fixture furnished. Not compatible with fixtures over 5" wide.

Example: UN 2 32 MVOLT HC or HC36 (accessory)



Hooker® Hangers (order separately)

Patented, no-tools system for easy mounting to grid tee ceilings. For use with inverted tee exposed grid ceilings, nominal 1" wide.

- Hooks anywhere on grid – main tee, cross tee or intersection.
- Die-formed from heavy-gauge steel.
- Fixture can be mounted parallel or perpendicular to grid, flush to ceiling or 1-1/2" below tee.

Two required per fixture. Consult factory for job packs.

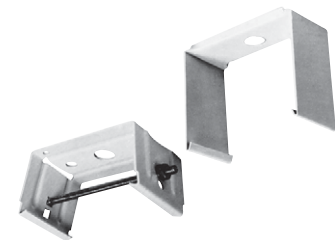
CONFIGURATIONS		
NOMENCLATURE	TYPE OF MOUNTING	FOR USE WITH
HRC	Flush to ceiling	CB, L, C and ALC fixtures with 4-3/16" wide and 2-1/16" deep channels
HRC1	Spaced 1-1/2" from ceiling	
HRUN	Flush to ceiling	PV and AF fixtures with 5" channels
HRUN1	Spaced 1-1/2" from ceiling	
HRUNS1	Spaced 1-1/2" from ceiling	

Hooker® Hanger, Pat. No. 3,589,660

Tong Hangers (order separately)

Order by channel width. For unit or row mounting, order two per fixture. All tong (slide clamp) hangers are suitable for use with 3/8" or smaller mounting rods. Rods smaller than 3/8" diameter require use of appropriate washers (supplied by others). Consult factory for job packs.

- THUN Hanger for 5" channel
- TH2UN Hanger for 9" channel
- THC Hanger for 4-3/16" channel
- THK Hanger for 4-9/16" channel
- THSR Hanger for 5" channel (uses carriage bolt mounting rod)



Z-Strip Spring Hangers

ZSPRG Tong and T-grid hanger



Notes

1 Order wireguards as separate catalog numbers.

REFLECTORS

OPTIONS & ACCESSORIES

LITHONIA COMMERCIAL & INDUSTRIAL FLUORESCENT

REFLECTORS							
	NOMENCLATURE	DESCRIPTION	FINISH		MATERIAL		
			WHITE	SPECULAR	ALUMINUM	20-GAUGE	
ASYMMETRIC REFLECTORS FOR T8 LOW PROFILE Z STRIPLIGHT SERIES	Z8ASR48	48" asymmetric reflector	■	■			
	Z8ASR48A8	48" asymmetric reflector with 4% uplight	■	■			
	Z8ASR48A5	48" asymmetric reflector with 2% uplight	■	■			
	Z8ASR36	36" asymmetric reflector	■	■			
	Z8ASR24	24" asymmetric reflector	■	■			
	Z8ASR18	18" asymmetric reflector	■	■			
SYMMETRIC REFLECTORS FOR T8 LOW PROFILE Z STRIPLIGHT SERIES	Z8SMR48	48" symmetric reflector	■	■			
	Z8SMR48A8	48" symmetric reflector with 8% uplight					
	Z8SMR48A5	48" symmetric reflector with 5% uplight					
	Z8SMR36	36" symmetric reflector	■	■			
	Z8SMR24	24" symmetric reflector	■	■			
	Z8SMR18	18" symmetric reflector	■	■			
ASYMMETRIC REFLECTORS FOR T5 LOW PROFILE Z STRIPLIGHT SERIES	Z5ASR46	46" asymmetric reflector	■	■			
	Z5ASR46A8	46" asymmetric reflector with 4% uplight	■	■			
	Z5ASR46A5	46" asymmetric reflector with 2% uplight	■	■			
	Z5ASR34	34" asymmetric reflector	■	■			
	Z5ASR21	21" asymmetric reflector	■	■			
SYMMETRIC REFLECTORS FOR T5 LOW PROFILE Z STRIPLIGHT SERIES	Z5SMR46	46" symmetric reflector	■	■			
	Z5SMR46A8	46" symmetric reflector with 8% uplight					
	Z5SMR46A5	46" symmetric reflector with 5% uplight					
	Z5SMR34	34" symmetric reflector	■	■			
	Z5SMR21	21" symmetric reflector	■	■			
ASYMMETRIC REFLECTORS FOR NARROW S STRIPLIGHT SERIES	SASR18	18" asymmetric reflector, single-lamp	■	■			
	SASR24	24" asymmetric reflector, single-lamp	■	■			
	SASR36	36" asymmetric reflector, single-lamp	■	■			
	SASR48	48" asymmetric reflector, single-lamp	■	■	■	■	
	SASR362L	36" asymmetric reflector, dual-lamp	■	■			
	SASR482L	48" asymmetric reflector, dual-lamp	■	■	■	■	
	SASR4518	18" asymmetric reflector with 45° cut-off	■	■			
	SASR4524	24" asymmetric reflector with 45° cut-off	■	■			
	SASR4536	36" asymmetric reflector with 45° cut-off	■	■			
	SASR4548	48" asymmetric reflector with 45° cut-off	■	■			
	SASR6024	24" asymmetric reflector with 60° cut-off	■	■			
	SASR6036	36" asymmetric reflector with 60° cut-off	■	■			
	SASR6048	48" asymmetric reflector with 60° cut-off	■	■			
	SASR9024	24" asymmetric reflector with 90° cut-off	■	■			
	SASR9048	48" asymmetric reflector with 90° cut-off	■	■			
	SASRCF18 1	18" asymmetric reflector, single-lamp, compact fluorescent	■	■			
	SASRCF24 1	24" asymmetric reflector, single-lamp, compact fluorescent	■	■			
	SASRCF24 2	24" asymmetric reflector, dual-lamp, compact fluorescent	■	■			
	SYMMETRIC REFLECTORS FOR NARROW S STRIPLIGHT SERIES	SSMRCF18 1	18" symmetric reflector, single-lamp, compact fluorescent	■	■		
		SSMRCF24 1	24" symmetric reflector, single-lamp, compact fluorescent	■	■		
SSMRCF24 2		24" symmetric reflector, dual-lamp, compact fluorescent	■	■			
SSMR18		18" symmetric reflector	■	■			
SSMR24		24" symmetric reflector	■	■			
SSMR36		36" symmetric reflector	■	■			
SSMR48		48" symmetric reflector	■	■	■	■	
SSMR362L		36" symmetric reflector, dual-lamp	■	■			
SSMR482L		48" symmetric reflector, dual-lamp	■	■			

■ = Available

Note: Additional replacement configuration available, consult factory.

REFLECTORS (CONT.)						
	NOMENCLATURE	DESCRIPTION	FINISH		MATERIAL	
			WHITE	SPECULAR	ALUMINUM	20-GAUGE
ASYMMETRIC REFLECTORS FOR GENERAL PURPOSE C STRIPLIGHT SERIES	CASR24	24" asymmetric reflector	■	■		
	CASR36	36" asymmetric reflector	■	■		
	CASR48	48" asymmetric reflector	■	■	■	■
	CASR3048	48" asymmetric reflectors with 30° cut-off	■	■		
	CASR4524	24" asymmetric reflector with 45° cut-off	■	■		
	CASR4536	36" asymmetric reflector with 45° cut-off	■	■		
	CASR4548	48" asymmetric reflector with 45° cut-off	■	■		
	CASR6048	48" asymmetric reflector with 60° cut-off	■	■		
	CASR9024	24" asymmetric reflector with 90° cut-off	■	■		
	CASR9036	36" asymmetric reflector with 90° cut-off	■	■		
	CASR9048	48" asymmetric reflector with 90° cut-off	■	■		
	CASRCF18 1	18" symmetric reflector, single-lamp, compact fluorescent	■	■		
	CASRCF18 2	18" symmetric reflector, dual-lamp, compact fluorescent	■	■		
	CASRCF24 1	24" symmetric reflector, single-lamp, compact fluorescent	■	■		
CASRCF24 2	24" symmetric reflector, dual-lamp, compact fluorescent	■	■			
SYMMETRIC REFLECTORS FOR GENERAL PURPOSE C STRIPLIGHT SERIES	CSMR18	18" symmetric reflector	■	■		
	CSMR24	24" symmetric reflector	■	■		
	CSMR36	36" symmetric reflector	■	■		
	CSMR48	48" symmetric reflector	■	■	■	■
	CSMRCF18 1	18" symmetric reflector, single-lamp, compact fluorescent	■	■		
	CSMRCF24 1	24" symmetric reflector, single-lamp, compact fluorescent	■	■		
	CSMRCF24 2	24" symmetric reflector, dual-lamp, compact fluorescent	■	■		
ASYMMETRIC REFLECTORS FOR STAGGERED STRIPLIGHT SERIES	SSASR24	24" asymmetric reflector	■	■		
	SSASR36	36" asymmetric reflector	■	■		
	SSASR48	48" asymmetric reflector	■	■		
	SSASR4524	24" asymmetric reflector with 45° cut-off	■	■		
	SSASR4536	36" asymmetric reflector with 45° cut-off	■	■		
	SSASR4548	48" asymmetric reflector with 45° cut-off	■	■		
	SSASR6024	24" asymmetric reflector with 60° cut-off	■	■		
	SSASR6036	36" asymmetric reflector with 60° cut-off	■	■		
	SSASR6048	48" asymmetric reflector with 60° cut-off	■	■		
	SSASR9024	24" asymmetric reflector with 90° cut-off	■	■		
	SSASR9036	36" asymmetric reflector with 90° cut-off	■	■		
SYMMETRIC REFLECTORS FOR STAGGERED STRIPLIGHT SERIES	SSSMR24	24" symmetric reflector	■	■		
	SSSMR36	36" symmetric reflector	■	■		
	SSSMR48	48" symmetric reflector	■	■		

REPLACEMENT EMBOSSED INDUSTRIAL REFLECTORS						
	NOMENCLATURE	DESCRIPTION	FINISH		MATERIAL	
			WHITE	SPECULAR	ALUMINUM	PORCELAIN
L INDUSTRIAL SERIES	LAR24	24" embossed industrial reflector with 10% uplight	■	■		
	LAR48	48" embossed industrial reflector with 10% uplight	■	■		■
	LR24	24" embossed industrial reflector with 20% uplight	■	■		
	LR48	48" embossed industrial reflector with 20% uplight	■	■		
EJD/EJS INDUSTRIAL SERIES	EJR24	24" embossed industrial reflector with 20% uplight	■	■		
	EJR36	36" embossed industrial reflector with 20% uplight	■	■		
	EJR48	48" embossed industrial reflector with 20% uplight	■	■		
	EJR72	72" embossed industrial reflector with 20% uplight	■	■		
	EJR96	96" embossed industrial reflector with 20% uplight	■	■		
	EJAR48	48" embossed industrial reflector with 10% uplight	■	■		
	EJAR96	96" embossed industrial reflector with 10% uplight	■	■		
AF INDUSTRIAL SERIES	AF10R48	48" embossed industrial reflector with 10% uplight	■	■		■
	AFR48	48" embossed industrial reflector with 20% uplight	■	■	■	■
	AFSTR48	48" embossed industrial reflector with solid top	■	■	■	
PV INDUSTRIAL SERIES	PVR48	48" embossed industrial reflector with 20% uplight	■	■	■	
	PVR49	49" embossed industrial reflector with 20% uplight	■	■	■	

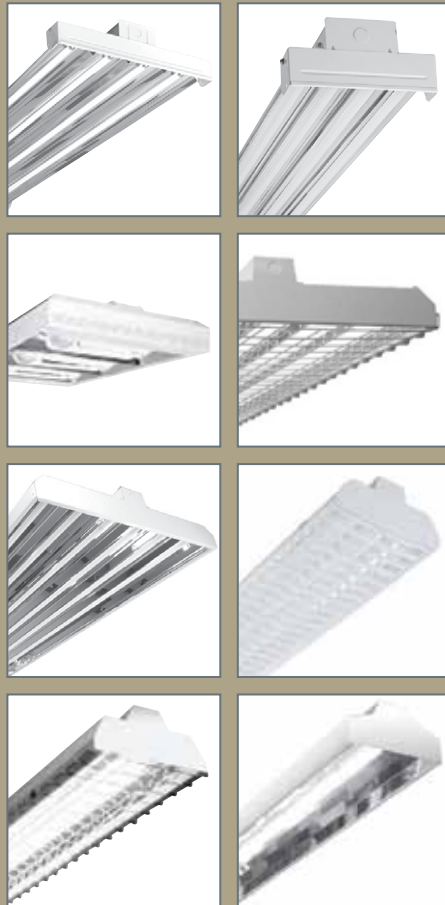
■ = Available

Note: Additional replacement configuration available, consult factory.



LITHONIA FLUORESCENT HIGH BAYS

Superior optical design combined with lamp and ballast technology advancements have made fluorescent lighting one of the most efficient choices available today. Typical applications include retail, warehouse, commercial, gymnasium and industrial facilities. Our broad portfolio of products along with our in-house design, engineering and testing capabilities, enable Lithonia Lighting to provide both standard and custom products. Custom reflector designs, special finishes and unique housings can be accommodated to satisfy the most challenging application.



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IB

I-BEAM®



Intended Use
The I-BEAM Series is the ideal one-for-one replacement of common metal halide high bay systems. The unique COOL RUNNING™ technology provides trouble-free operation in ambient spaces up to 65°C. Applications include manufacturing, warehousing, commercial facilities and retail. Consult factory for use in gymnasiums. I-BEAM fixtures perform best at mounting heights from 15'-40'. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
Channel is formed of heavy-duty, code-gauge steel to stand up to the most demanding elements. Lamp holder assembly protects from incidental damage to reflectors during installation.

Finish: Channel is high-gloss white baked enamel; five-stage iron phosphate pretreatment ensures superior paint adhesion and rust resistance.

Optics
Two optical systems are available. Narrow distribution(ND) is ideal for narrow or aisle lighting applications and features precision-formed segmented optics utilizing highly reflective specular aluminum reflectors. Provides 95% reflectivity and

warranted for 25 years. Wide distribution(WD) includes high-reflectance white finish for general or open areas.

Electrical
Thermally protected, resetting, Class P, HPF, A+ sound-rated electronic ballast. AWM TFM or THHN wire used throughout is rated for required temperatures. Ballast disconnect standard (BDP).

Socket: Sockets include secure positioning rotating collars with enclosed contacts. Access plate on the back of the channel housing allows quick and easy wiring.

Installation
Suitable for suspension by chain, cable, hook monopoint or pendant monopoint.

Fixture should not be mounted directly to ceiling surface. For optimum performance, fixture should be mounted at least 18" below ceiling plane.

Listings
UL/C-UL listed to U.S. and Canadian safety standards for ambient operation up to 65°C. Suitable for damp locations.

Guaranteed for one year against mechanical defects in manufacturing. Ballast warranty: five years when operated in 55°C or less ambient conditions, three years when operated in 65°C or less ambient conditions. T5 COOL RUNNING™ technology only.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: IB 654L

Series	Lamp type	Distribution	Voltage	Ballast configuration ³
IB I-BEAM	Lamps installed¹	(blank) Narrow distribution with uplight	(blank) MVOLT ¹⁰	(blank) Standard configuration ³
	454L 4-lamp, 54W, T5HO	NDS Narrow distribution, no uplight	HVOLT 347V-480V	2/3 Two, 3-lamp ballasts
	654L 6-lamp, 54W, T5HO	WD Wide distribution with uplight	120 120V	2/2 Two, 2-lamp ballasts
	432L 4-lamp, 32W, T8	WDS Wide distribution, no uplight	277 277V	
	632L 6-lamp, 32W, T8		347 347V	
			480 480V ²	
Ballast		Lamp color ¹	Options	
(blank) T5HO electronic ballast, ≤10% THD, programmed rapid start	T5HO	LP841A F54T5HO/841	EL14 Emergency battery pack ⁵	CS3 125V L5-15P twist-lock, black cord 18/3 6' ^{7,9}
(blank) T8 electronic ballast, ≤10% THD, instant start, high BF	(blank) F54T5HO/841	T8	MSI Occupancy sensor pre-wired ^{6,7}	CS7 277V 7-15P molded plug, black cord 18/3 6' ^{7,9}
GEB10IS T8 electronic ballast, ≤10% THD, instant start, normal BF	LP835 F54T5HO/835	(blank) F32T8/741	GLR Internal fast blow fusing	CS11 277V L7-15P twist-lock, black cord 18/3 6' ^{7,9}
GEB10RS T8 electronic ballast, ≤10% THD, programmed rapid start	LP830 F54T5HO/830	LP730 F32T8/730	OCS RELOC® OnePass® S' installed ⁷	CS93 600V no plug, white cord 18/3 6' ^{7,9}
	LP850 F54T5HO/850	LP735 F32T8/735	FSP Integral side panels	CS97 480V L8-20P twist-lock, black cord 18/3 6' ^{7,9}
	T5HO Amalgam⁴		NOM Meets Mexican standards	
	LP830A F54T5HO/830		PMP Pendant monopoint ⁸	
	LP835A F54T5HO/835		CS1 120V 5-15P molded plug, black cord 18/3 6' ^{7,9}	

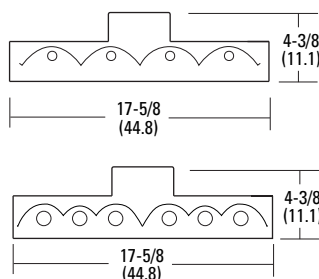
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
LAMP TYPE	4-LAMP	6-LAMP
T5HO	One 4-lamp ballast	One 4-lamp and one 2-lamp ballast
T8 (0.88 BF)	One 4-lamp ballast	One 4-lamp and one 2-lamp ballast
T8 (1.2 BF)	Two 2-lamp ballasts	Two 3-lamp ballasts

ACCESSORIES	
ORDER SEPARATELY	
IBAC120 M20	Aircraft cable 10' Y hanger (one pair)
IBAC240 M20	Aircraft cable 20' Y hanger (one pair)
WGIBZ	Wireguard
HC36	Chain hanger, 36"
IBHMP	Hook monopoint

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Unless otherwise specified, lamps installed are F54T5HO/841 for T5HO and F32T8/741 for T8.
- For use with T5HO only. Consult factory for use with T8.
- See Configurations table for availability.
- Not for use with motion sensors or EL14.
- UL Listed for 55°C. Output in emergency mode varies with ambient temperature (approx. 944 lumens at 25°C and 911 lumens at 45°C). Single-lamp operation only. Not available with HVOLT. Requires some assembly in field for 6-lamp fixture. 120V or 277V only.
- Use of programmed rapid-start ballast recommended to avoid shortened lamp life.
- Specify voltage.
- Fixture must be ordered with PMP for channel modification. Splice box ships separately. For PMP replacement, only order IBPMP.
- Voltage specified must match voltage on cord set. CS93 does NOT require a voltage.
- 120-277 volt.

IBC

I-BEAM® Compact 4-lamp



Intended Use

The compact I-BEAM fluorescent high bay is an ideal one-for-one replacement of common metal halide high bay systems. The unique COOL RUNNING™ technology provides trouble-free operation in ambient spaces up to 65°C. Applications include manufacturing, warehousing, commercial facilities and retail. Consult factory for use in gymnasiums. The fluorescent I-BEAM compact fixture performs at mounting heights from 15'-30'. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Channel is formed of heavy-duty, code-gauge steel to stand up to the most demanding elements. Lamp holder assembly protects from incidental damage to reflectors during installation. Finish: Channel is high-gloss white baked enamel; five-stage, iron phosphate pretreatment ensures superior paint adhesion and rust resistance.

Optics

Two optical systems are available. Narrow distribution (ND) is ideal for narrow or aisle lighting applications and features precision-formed segmented optics utilizing highly reflective specular aluminum reflectors. Provides 95% reflectivity and

warranted for 25 years. Wide distribution (WD) includes high-reflectance white finish for general or open areas.

Electrical

Thermally protected, resetting, Class P, HPF, A+-sound-rated electronic ballast. AWM TFM or THHN wire used throughout is rated for required temperatures.

Socket: Sockets include secure positioning rotating collars with enclosed contacts. Access plate on the back of the channel housing allows quick and easy wiring.

Installation

Suitable for suspension by chain, cable, hook monopoint or pendant monopoint. Fixture should not be mounted

directly to ceiling surface. For optimum performance, fixture should be mounted at least 18" below ceiling plane.

Listings

UL/C-UL listed to US and Canadian safety standards for ambient operation up to 65°C. Suitable for damp locations.

Guaranteed for one year against mechanical defects in manufacturing. Ballast warranty: five years when operated in 55°C or less ambient conditions, three years when operated in 65°C or less ambient conditions. T5 COOL RUNNING™ technology only.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: IBC 454L

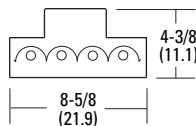
Series	Lamp type	Distribution	Voltage	Ballast configuration
IBC I-BEAM compact	Lamps installed¹	(blank) Narrow distribution with uplight	(blank) MVOLT ¹⁰	(blank) Standard configuration ²
	354L 3-lamp, 54W, T5HO	NDS Narrow distribution, no uplight	HVOLT 347V-480V	2/2 Two, 2-lamp ballasts
	454L 4-lamp, 54W, T5HO	WD Wide distribution with uplight		
	432L 4-lamp, 32W, T8	WDS Wide distribution, no uplight		
	Unlamped			
	354 3-lamp, 54W, T5HO			
	454 4-lamp, 54W, T5HO			
	432 4-lamp, 32W, T8			
Ballast	Lamp color	Options		
(blank) T5HO electronic ballast, ≤10% THD, programmed rapid-start	T5HO	LP835A F54T5HO/835	EL14 Emergency battery pack ⁴	CS3 125V L5-15P twist-lock, black cord 18/3 6 ^{5,7}
GEB10ISH T8 electronic ballast, ≤10% THD, instant start, high BF ⁹	(blank) F54T5HO/841	LP841A F54T5HO/841	MSI Occupancy sensor pre-wired ^{5,8}	CS7 277V 7-15P molded plug, black cord 18/3 6 ^{5,7}
	LP835 F54T5HO/835	LP850A F54T5HO/850	GLR Internal fast blow fusing ⁵	CS11 277V L7-15P twist-lock, black cord 18/3 6 ^{5,7}
	LP830 F54T5HO/830	T8	OCS RELOC® OnePass® 5' installed ⁵	CS93 600V no plug, white cord 18/3 6 ^{5,7}
	LP865 F54T5HO/865	(blank) F32T8/741	FSP Integral side panels	CS97 480V L8-20P twist-lock, black cord 18/3 6 ^{5,7}
	T5HO Amalgam³	LP730 F32T8/730	NOM Meets Mexican standards	
	LP830A F54T5HO/830	LP735 F32T8/735	IBPMP Pendant monopoint splice box (3/4" hub) ⁶	
			CS1 120V 5-15P molded plug, black cord 18/3 6 ^{5,7}	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ACCESSORIES	
ORDER SEPARATELY	
IBAC120 M20	Aircraft cable 10' Y hanger (one pair)
IBAC240 M20	Aircraft cable 20' Y hanger (one pair)
WGIIBC	Wireguard, powder coated
HC36	Chain hanger, 36"
IBHMP	Hook monopoint

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Unless otherwise specified, lamps installed are F54T5HO/841 for T5HO and F 32T8/941 for T8.
- 2 One 4-lamp ballast included.
- 3 Not for use with motion sensors or EL 14.
- 4 UL Listed for 55°C. Output in emergency mode varies with ambient temperature (approximately 944 lumens at 25°C and 911 lumens at 45°C). Single lamp operation only. Not available with HVOLT. 120V or 277V only.
- 5 Specify voltage.
- 6 Should be ordered with fixture. Housing requires modification to attach splice box. Requires two ballasts. Not field-installable.
- 7 Voltage specified must match voltage on cord set. CS93 does NOT require a voltage.
- 8 Programmed rapid-start ballast recommended.
- 9 Standard with 1 HPF instant-start ballast.
- 10 120-277 volt.

FLUORESCENT HIGH BAYS



Intended Use

The I-BEAM® fluorescent high bay is an ideal one-for-one replacement of common metal halide high bay systems. Applications include warehousing, commercial facilities and retail. The fluorescent I-BEAM fixture performs at mounting heights from 15'-30'. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Rugged fixture construction coupled with excellent fixture performance. Channel is formed of heavy-duty,

code-gauge steel to stand up to the most demanding elements. Lamp holder assembly protects from incidental damage to reflectors during installation. Channel is high-gloss white baked enamel; five-stage, iron phosphate pretreatment ensures superior paint adhesion and rust resistance.

Optics

Two optical systems are available. Narrow distribution (ND) is ideal for narrow or aisle lighting applications and features precision-formed segmented optics utilizing specular aluminum reflectors. Wide distribution (WD) includes high-reflectance

white finish for general or open areas. Typical arrangement provides over 90% luminaire efficiency.

Electrical

Ballast: MVOLT 120-277V ballast accommodates most electrical requirements. Thermally protected, resetting, Class P, HPF, A+ sound-rated electronic ballast. AWM TFM or THHN wire used throughout is rated for required temperatures.

Sockets: Sockets include secure positioning rotating collars with enclosed contacts. Access plate on the back of the channel housing allows quick and easy wiring.

Installation

Suitable for suspension by chain, cable, hook monopoint or pendant monopoint. Fixture should not be mounted directly to ceiling surface. For optimum performance, fixture should be mounted at least 18" below ceiling plane.

Listings

UL/C-UL listed to U.S. and Canadian safety standards.

Guaranteed for one year against mechanical defects in manufacturing. Ballast warranted for one year when operated in 25°C or less ambient conditions.

CONTRACTOR
SELECT I-BEAM®
FLUORESCENT HIGH BAY LIGHTING

ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	NUMBER OF LAMPS	WATTAGE	VOLTAGE	DISTRIBUTION	UPLIGHT	BALLAST	LAMP INCLUDED	LENGTH (IN.)	FIXTURE WEIGHT (LBS)
IBCT5L	T5 fluorescent high bay	4	54	120-277	Narrow	Y	Electronic	Y	48-3/8	14
IBCT5L WD	T5 fluorescent high bay	4	54	120-277	Wide	Y	Electronic	Y	48-3/8	14
IBCT5	T5 fluorescent high bay	4	54	120-277	Narrow	Y	Electronic	N	48-3/8	14
IBCT5 WD	T5 fluorescent high bay	4	54	120-277	Wide	Y	Electronic	N	48-3/8	14
IBT8L	T8 fluorescent high bay	6	32	120-277	Narrow	Y	Electronic	Y	48-3/8	20
IBT8L WD	T8 fluorescent high bay	6	32	120-277	Wide	Y	Electronic	Y	48-3/8	20
IBT8	T8 fluorescent high bay	6	32	120-277	Narrow	Y	Electronic	N	48-3/8	20
IBT8 WD	T8 fluorescent high bay	6	32	120-277	Wide	Y	Electronic	N	48-3/8	20

ADDITIONAL INFORMATION

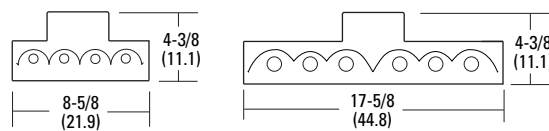
For additional product information, visit www.lithonia.com.

ACCESSORIES

ORDER SEPARATELY

IBAC120 M20	Aircraft cable 10' Y hanger (one pair)
IBAC240 M20	Aircraft cable 20' Y hanger (one pair)
WGIBZ	Wireguard, powder coated (IBT8)
WGIBC	Wireguard, powder coated (IBCT5)
HC36	Chain hanger, 36"
IBHMP	Wireguard, powder-coated (IBCT5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



FIB



Intended Use
Ideal for large-area retail, industrial and commercial environments where high vibration or difficult maintenance is a concern. Suitable for mounting heights of 18' to over 50'. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
Channel, ends, socket brackets and ballast housings are manufactured from minimum 22-gauge cold-rolled steel. Riveted and screwed

assembly. Tool-less ballast and wiring access.

Standard high-gloss white baked enamel, pre-treated with a 5-stage iron phosphate system. Optional premium polyester powder coat finish, utilizing a 7-stage pretreatment process of iron phosphate, a non-chromium sealer and a de-ionized water rinse to provide superior adhesion and corrosion resistance.

Optics
Reflectors are precision-formed, high performance, 95% total reflectance, segmented optics utilizing

premium specular aluminum warranted for 25 years.

Electrical
Ballasts are electronic, energy-saving, thermally protected, Class P, HPF, non-PCB, Sound Rating A, UL/CSA Certified where applicable and comply with Federal Ballast Law (Public Law 100-357, 1988). UL Listed wire, rated for required temperatures, used throughout.

Installation
May be suspended with aircraft cable, chain hangers or by monopoint hanger.

Listings
Luminaire is bi-national Listed (UL 1598 and CSA C22.2 No. 250.0-00) and is suitable for damp locations with ambient temperatures up to 40°C (104°F).



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: FIB23 3 150IL T1X32 MVOLT GIB150 LPS841 PAF WG

Series	Number of lamps ¹	Lamp type ²	Distribution/Reflector		Voltage	Ballast ²	Lamp color	Options
FIB21	1	100IL 100W induction	Distribution	Reflector	MVOLT 120V - 277V, 60 Hz	GIB100 100W electronic ballast, <10% THD	Sylvania LPS841 80 CRI, 4100°K	PAF Powder coat after fabrication
FIB22	2	150IL 150W induction	T1 Task (0.9<1.2 SC)	X32 Specular aluminum		GIB150 150W electronic ballast, <10% THD	LPS850 85 CRI, 5000°K	WG Wireguard, 11 gauge, external mount
FIB23	3		N1 Normal (1.2<1.4 SC) ³					
FIB24	4		S1 Spread (1.4<1.8 SC) ⁴					

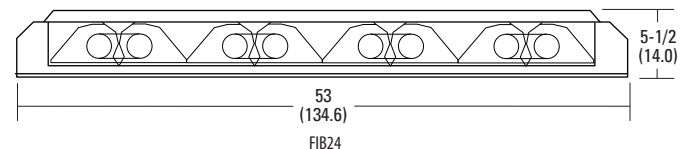
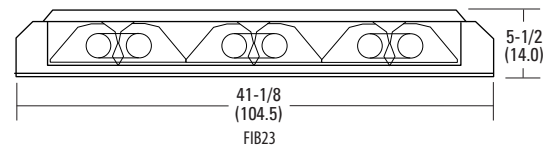
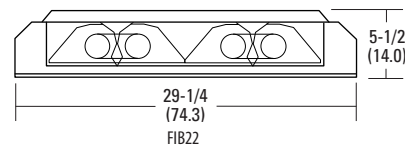
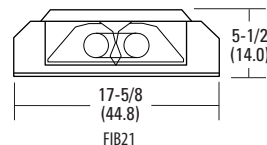
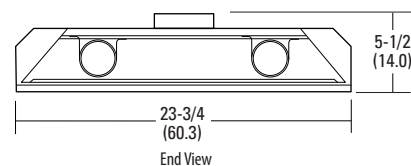
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS						
SERIES	NUMBER OF LAMPS	LAMP TYPE	DISTRIBUTION	WIDTH	HEIGHT	LENGTH
FIB21	1	100IL, 150IL	T1, N1, S1	23-3/4 (60.4)	5-1/2 (14.0)	17-5/8 (44.8)
FIB22	2	100IL, 150IL	T1, N1	23-3/4 (60.4)	5-1/2 (14.0)	29-1/4 (74.3)
FIB23	3	150IL	T1	23-3/4 (60.4)	5-1/2 (14.0)	41-1/8 (104.5)
FIB24	4	150IL	T1	23-3/4 (60.4)	5-1/2 (14.0)	53 (134.6)

ACCESSORIES	
ORDER SEPARATELY	
MHYTGB10	10' adjustable aircraft cable, 2-toggle, Y hanger (one pair)
HSD36	3' jack chain with hanger (one pair)
SCKFV	2' safety chain
THFIB	Monopoint hanger with 3/4" KO
THFIBHB	Monopoint hanger with 3/4" hub
THFIBSK	Side covers for monopoint hanger (one pair)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 See Configurations table for availability.
- 2 Lamp wattage and ballast wattage must match.
- 3 Available with FIB21 and FIB22 only.
- 4 Available with FIB21 only.

PRODUCT INFORMATION

FGB

SPEC-BEAM™



Shown with WG option

Intended Use
Ideal for use in retail, industrial, commercial, gymnasium and warehouse environments where up to a 400W fixture would be considered. Provides a wide variety of photometric distributions and lamp combinations, each designed specifically for applications ranging from large open areas to very tall and narrow spaces. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
Channel, ends and socket brackets are manufactured

from 22-gauge cold-rolled steel. Riveted and screwed assembly. Tool-less ballast and wiring access. Optional heavy-gauge steel or all aluminum construction also are available.

Lamp shielding options are provided with a 22-gauge premium polyester powder coat finish door frame with two painted hinges and two painted opposing rotary cam latches. Lenses are held in place with lens clips.

Standard high-gloss white baked enamel, pre-treated with a 5-stage iron phosphate system. Optional premium polyester powder coat finish, utilizing a 7-stage pretreatment process of iron

phosphate, a non-chromium sealer and a de-ionized water rinse to provide superior adhesion and corrosion resistance.

Optics
Reflectors are precision-formed, high performance, 95% total reflectance, segmented optics utilizing premium specular aluminum warranted for 25 years.

Electrical
Ballasts are electronic, energy-saving, thermally protected, Class P, HPF, non-PCB, Sound Rating A, UL/CSA Certified where applicable and comply with Federal Ballast Law (Public Law 100-357, 1988). UL Listed wire, rated for required temperatures, used throughout.

Lamps are secured with rotary locking lampholders for ease of re-lamping and to minimize disconnection due to vibration or incidental contact. Factory-installed lamps are available in various CRI ratings, temperature colors and rated life.

Installation
May be suspended with aircraft cable, chain hangers or by monopoint hanger.

Listings
Luminaire is bi-national listed (UL 1598 and CSA C22.2 No. 250.0-00) and is suitable for damp locations up to 55°C (131°F).



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: FGB24 6 54T5HO T1X20 MVOLT 1/41/2 GEB10PS LP841

Series	Number of lamps ¹	Lamp type	Distribution/Reflector	Shielding ⁵
FGB14	2	32 32W T8	Distribution F1 Focus (0.9>SC) ^{2,3}	(blank) No shielding
FGB164	3	54T5HO 54W T5HO	Reflector X20 Specular aluminum	A12125 Pattern 12 acrylic, 0.125"
FGB24	4 6		T1 Task (0.9<1.2 SC) X20U Specular aluminum w/ uplight N1 Normal (1.2<1.4 SC) D20 White powder coat ⁴ S1 Spread (1.4<1.8 SC) D20U White powder coat w/ uplight ⁴ B1 Broad (1.8<SC) ³	A12125WG Pattern 12 acrylic, 0.125" w/wireguard in door frame ACL Clear acrylic, 0.125" ACLWG Clear acrylic, 0.125" w/ wireguard in door frame PCL125 Clear polycarbonate, 0.125" PCL125WG Clear polycarbonate, 0.125" w/ wireguard in door frame NLWG No lens, wireguard in door frame

Voltage	Ballast configuration	Ballast	Lamp color	Options
MVOLT 120V-277V, 60 Hz	(blank) All 2-lamp ballasts ⁵	ACRB Cool Running ^{2,6}	(blank) No lamps	OUTCTR Wiring leads pulled through back center of fixture ⁷
HVOLT 347V-480V, 60 Hz	1/3 One 3-lamp ballast	GEB10PS T5HO electronic ballast, ≤10% THD programmed rapid start	LP830 85 CRI, 3000°K, std. life	PAF Powder coat after fabrication
	1/4 One 4-lamp ballast	GEB10IS T8 electronic ballast, ≤10% THD, instant start, normal BF	LP835 85 CRI, 3500°K, std. life	PAF AL Aluminum construction, powder coat
	1/41/2 One 4-lamp and one 2-lamp ballast	GEB10ISH T8 electronic ballast, ≤10% THD, instant start, high BF	LP841 85 CRI, 4100°K, std. life	20GA 20-gauge steel construction
	2/3 Two 3-lamp ballasts	GEB10ISL T8 electronic ballast, ≤10% THD, instant start, low BF	LP850 85 CRI, 5000°K, std. life	TC Top cover panels ⁶ WG Wireguard, 11 ga., external mount

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS

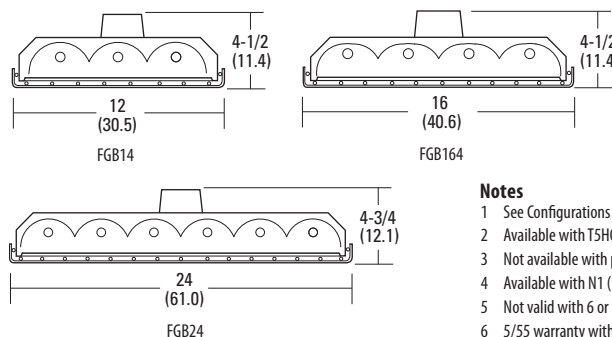
SERIES	NUMBER OF LAMPS	WIDTH	HEIGHT	LENGTH
FGB14	2 or 3	12 (30.5)	4-1/2 (11.4)	48 (121.9)
FGB164	4	16 (40.6)	4-1/2 (11.4)	48 (121.9)
FGB24	6	24 (61.0)	4-3/4 (12.1)	48 (121.9)

ACCESSORIES

ORDER SEPARATELY

IBAC120 M20	10' adjustable aircraft cable, 2-hook, Y hanger (one pair)
IBAC240 M20	20' adjustable aircraft cable, 2-hook, Y hanger (one pair)
HSD36	3' Jack chain with hanger (one pair)
THSD	monopoint hanger with 3/4" KO
THSDHB	monopoint hanger with 3/4" hub
THSDSK	Side covers for monopoint hanger (one pair)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 See Configurations table for availability.
- 2 Available with T5HO lamps only.
- 3 Not available with prismatic lens option.
- 4 Available with N1 (normal distribution) only.
- 5 Not valid with 6 or more lamps in 4ft. fixtures.
- 6 5/55 warranty with open fixtures only.
- 7 Specify OUTCTR when monopoint hanger will be used.

FGB SPEC-BEAM™ HL



PRODUCT INFORMATION

Intended Use

Ideal for use in retail, industrial, commercial, gymnasium and warehouse environments where 400W-1000W fixtures would be considered. Provides a wide variety of photometric distributions and lamp combinations, each designed specifically for applications ranging from large open areas to very tall and narrow spaces. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Channel, ends and socket brackets are manufactured

from 22-gauge cold-rolled steel. Riveted and screwed assembly. Tool-less ballast and wiring access. Optional heavy-gauge steel or all aluminum construction also are available.

Lamp shielding options are provided with a 22-gauge premium polyester powder coat finish door frame with two painted hinges and two painted opposing rotary cam latches. Lenses are held in place with lens clips.

Standard high-gloss white baked enamel, pre-treated with a 5-stage iron phosphate system. Optional premium polyester powder coat finish, utilizing a 7-stage pretreatment process of iron

phosphate, a non-chromium sealer and a de-ionized water rinse to provide superior adhesion and corrosion resistance.

Optics

Reflectors are precision-formed, high performance, 95% total reflectance, segmented optics utilizing premium specular aluminum warranted for 25 years.

Electrical

Ballasts are electronic, energy-saving, thermally protected, Class P, HPF, non-PCB, Sound Rating A, UL/CSA Certified where applicable and comply with Federal Ballast Law (Public Law 100-357, 1988). UL Listed wire, rated for required temperatures, used throughout.

Lamps are secured with rotary locking lampholders for ease of re-lamping and to minimize disconnection due to vibration or incidental contact. Factory-installed lamps are available in various CRI ratings, temperature colors and rated life.

Installation

May be suspended with aircraft cable or chain hangers.

Listings

Luminaire is bi-national listed (UL 1598 and CSA C22.2 No. 250.0-00) and is suitable for damp locations up to 55°C (131°F).



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: FGB28 6 54T5HO T1X20 MVOLT 1/41/2 GEB10PS LP841

Series	Number of lamps ^{1,6}	Lamp type	Distribution/Reflector		Shielding ⁵	
FGB324	4	32 32W T8	Distribution	Reflector	(blank)	No shielding
FGB168	6	54T5HO 54W T5HO	F1 Focus (0.9<SC) ^{2,3}	X20 Specular aluminum	A12125	Pattern 12 acrylic, 0.125"
FGB28	8		T1 Task (0.9<1.2 SC)	X20U Specular aluminum w/ upright	A12125WG	Pattern 12 acrylic, 0.125" w/wireguard in door frame
	10		N1 Normal (1.2<1.4 SC)	D20 White powder coat ⁴	ACL	Clear acrylic, 0.125"
			S1 Spread (1.4<1.8 SC)	D20U White powder coat w/ upright ⁴	ACLWG	Clear acrylic, 0.125" w/ wireguard in door frame
			B1 Broad (1.8<SC) ³		PCL125	Clear polycarbonate, 0.125"
					PCL125WG	Clear polycarbonate, 0.125" w/ wireguard in door frame
					NLWG	No lens, wireguard in door frame

Voltage	Ballast configuration	Ballast	Lamps color	Options
MVOLT 120V-277V, 60 Hz	1/41/2 One 4-lamp and one 2-lamp ballast	ACRB Cool Running ^{2,5}	(blank) No lamps	OUTCTR Wiring leads pulled through back center of fixture
HVOLT 347V-480V, 60 Hz	2/3 Two 3-lamp ballasts	GEB10PS T5HO electronic ballast, ≤10% THD programmed rapid start	LP830 85 CRI, 3000°K, std. life	PAF Powder coat after fabrication
	2/4 Two 4-lamp ballasts	GEB10IS T8 electronic ballast, ≤10% THD, instant start, normal BF	LP835 85 CRI, 3500°K, std. life	PAF AL Aluminum construction, powder coat
	2/41/2 Two 4-lamp and one 2-lamp ballasts	GEB10ISH T8 electronic ballast, ≤10% THD, instant start, high BF	LP841 85 CRI, 4100°K, std. life	20GA 20-gauge steel construction
	3/4 Three 4-lamp ballasts	GEB10ISL T8 electronic ballast, ≤10% THD, instant start, low BF	LP850 85 CRI, 5000°K, std. life	TC Top cover panels ⁵
				WG Wireguard, 11 ga., external mount

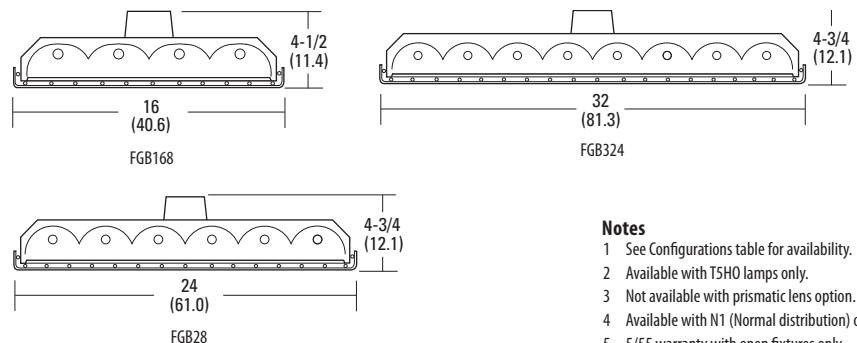
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS				
SERIES	NUMBER OF LAMPS ⁶	WIDTH	HEIGHT	LENGTH
FGB324	8 or 10	32 (81.3)	4-3/4 (12.1)	48 (121.9)
FGB168	4	16 (40.6)	4-1/2 (11.4)	96 (243.8)
FGB28	6	24 (61.0)	4-3/4 (12.1)	96 (243.8)

ACCESSORIES	
ORDER SEPARATELY	
IBAC120	10' adjustable aircraft cable, 2-hook, Y hanger (one pair)
IBAC240	20' adjustable aircraft cable, 2-hook, Y hanger (one pair)
HSD36	3' jack chain with hanger (one pair)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 See Configurations table for availability.
- 2 Available with T5HO lamps only.
- 3 Not available with prismatic lens option.
- 4 Available with N1 (Normal distribution) only.
- 5 5/55 warranty with open fixtures only.
- 6 Number of lamps per 4' section.

PRODUCT INFORMATION

MS5HB MS8

**Intended Use**

Intended for use in retail stores, warehouses and manufacturing applications where high lumen package in a compact fixture is required. Recommended for mounting heights up to 30'. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Channel and louvers are formed from cold-rolled, 20-gauge steel. Designed for simple servicing, louver assembly hinges remain attached and hinge down

providing easy access into the optical system. Convenient access plate located on the back of the the channel for easy access to wiring components.

Finish: High-gloss, baked white enamel finish. Five-stage, iron phosphate pretreatment ensures superior paint adhesion and rust resistance.

Optics

The Narrow Distribution (ND) includes a parabolic reflector system to provide high vertical and good horizontal illumination for aisle or rack lighting. The wide distribution (WD) is ideal for general area lighting at higher mounting

heights or where widespread distribution is preferred. Both distributions are available with white straight blade louver for additional shielding and brightness control. Uplight component softens ceiling appearance to reduce the "cave effect."

Electrical

Thermally protected, resetting, Class P, HPF, Non PCB, UL Listed, and Canadian Certified. A+ sound rated electronic ballast. AWN TFN or THHN wire used through-out, rated for required temperatures.

Sockets feature rotating collars and enclosed contacts.

Installation

A variety of mounting arrangements are available including tong hangers, aircraft cables and stems. Suitable for mounting in continuous row or individual mounting. End caps include knockouts for through wiring and fixture attachment in row mounting applications.

Listings

UL Listed. CSA optional; (consult factory).

Warranty: Guaranteed for one year against mechanical defects in manufacturing.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: MS5HB 3 54T5HO SBL ND MVOLT 1/41/2 GEB10PS

Series	Number of lamps ^{5,6}	Lamp type ⁵	Reflector	Distribution ▶▶▶
MS5HB	T5 low-profile direct/indirect	2	32 32W T8 (48")	(blank) No louver ND Narrow
MS5HBST	T5 low-profile solid top ¹	3	54T5HO 54W T5HO (46")	SBL White straight blade louver assembly WD Wide
MS8	T8 low-profile direct/indirect	Not included		
MS8ST	T8 low-profile solid top			

For tandem double-length unit, add prefix T. Example: TMS5HB

▶ Voltage	Ballast configuration	Ballast	Options
MVOLT	(blank) All 2-lamp ballasts ²	GEB10PS T5HO electronic ballast, ≤10% THD, programmed rapid start	GLR Internal fast blow fuse ³
347	1/3 One 3-lamp ballast	GEB10IS T8 electronic ballast, ≤10% THD, instant-start	GMF Internal slow blow fuse ³
480	1/4 One 4-lamp ballast		EL55 T5 emergency battery pack (nominal 390-700 lumens) ⁴
	1/41/2 One 4-lamp ballast and one 2-lamp ballast		CSA Meets Canadian standards
	2/3 Two 3-lamp ballasts		MSI Occupancy sensor pre-wired ^{3,7}

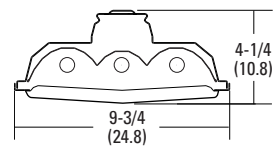
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS

SERIES	NUMBER OF LAMPS ⁶	LAMPS PER FIXTURE	LAMP TYPE	WIDTH	DEPTH	LENGTH
MS5HB	2, 3	2, 3	54T5HO	9-3/4 (24.8)	4-1/4 (10.8)	46-1/8 (117.2)
TMS5HB	2, 3	4, 6	54T5HO	9-3/4 (24.8)	4-1/4 (10.8)	92-1/8 (234.0)
MS5HBST	2	2	54T5HO	9-3/4 (24.8)	4-1/4 (10.8)	46-1/8 (117.2)
TMS5HBST	2	4	54T5HO	9-3/4 (24.8)	4-1/4 (10.8)	92-1/8 (234.0)
MS8	2, 3	2, 3	32	9-3/4 (24.8)	4-1/4 (10.8)	48 (121.8)
TMS8	2, 3	4, 6	32	9-3/4 (24.8)	4-1/4 (10.8)	96 (243.8)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



ACCESSORIES

ORDER SEPARATELY

MSHBAC	Adjustable aircraft cable support (non-feed), (specify length as 36, 72 or 120 inches)
MSHBACF	Aircraft cable feed and support, (specify length as 36, 72 or 120 inches)
THMS5HB	Tong hanger
SQ	Swivel stem hanger (specify length in 2" increments)
HC36	Chain hanger, 36"
WGMS5HBZ	4' wire guard for MS5HB, zinc coated. (two required for 8' lengths)
WGMS8Z	4' wire guard for MS8, zinc coated. (two required for 8' lengths)

Notes

- 1 Available in 2-lamp only.
- 2 Odd lamp configurations will include a 2 lamp ballast.
- 3 Specify voltage.
- 4 3-lamp 4' fixtures require 1/3 ballast.
- 5 See Configurations table for availability.
- 6 Number of lamps per 4' section.
- 7 Use of programmed rapid start ballast recommended to avoid shortened lamp life.

FOB



Intended Use

Ideal for use in applications that require additional rigidity and a full body design. Provides significant energy savings, improved color recognition and longer maintenance cycles over standard metal halide systems. May be mounted at heights of 15' to 40' and is available with a variety of photometric options. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Channel, ends and socket brackets are manufactured from 22-gauge cold-rolled

steel. Riveted and screwed assembly. Tool-less ballast and wiring access. Optional heavy-gauge steel or all-aluminum construction are also available.

Lamp shielding options are provided with a 22-gauge premium polyester powder coat finish door frame with two painted hinges and two painted opposing rotary cam latches. Lenses are held in place with lens clips. Optional double gasketing around door frame and lens is available.

Finished in premium polyester powder coat finish, utilizing a seven-stage pretreatment process of iron phosphate, a non-chromium sealer and

a de-ionized water rinse to provide superior adhesion and corrosion resistance.

Optics

Reflectors are precision-formed, high-performance, 95% total reflectance, segmented optics utilizing premium specular aluminum warranted for 25 years.

Electrical

Ballasts are electronic, energy-saving, thermally protected, Class P, HPE, non-PCB, Sound Rating A, UL/CSA certified where applicable and comply with Federal Ballast Law (Public Law 100-357, 1988). UL listed wire, rated for required temperatures, used throughout.

Lamps are secured with rotary locking lampholders for ease of re-lamping and to minimize disconnection due to vibration or incidental contact. Factory-installed lamps are available in various CRI ratings, temperature colors and rated life.

Installation

May be offset mounted to a hard ceiling or may be suspended with aircraft cable, chain hangers or by monopoint hanger.

Listings

Luminaire is bi-national listed (UL 1598 and CSA C22.2 No. 250.0-00) and is suitable for damp locations from 0° C (32° F) to 30° C (85° F). Certified to meet Splash Zone 1.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: FOB164 4 54T5HO T1X20 ACL MVOLT 1/4 GEB10PS LP841

Series	Number of lamps ¹	Lamp type	Distribution/Reflector	Shielding	Voltage
4 ft fixtures	2 2-lamp profile	32 32W T8 (48")	Distribution	(blank) No shielding	MVOLT 120V - 277V, 60 Hz
FOB14 1'x4'	3 3-lamp profile	54T5HO 54W T5HO (46")	Reflector	A12125 Pattern 12 acrylic, 0.125"	HVOLT 347V - 480V, 60 Hz
FOB164 16"x4'	4 4-lamp profile		F1 Focus (0.9<SC) ^{2,3,4}	ACL Clear acrylic, 0.125"	
FOB24 2'x4'	6 6-lamp profile		T1 Task (0.9<1.2 SC)	PCL125 Clear polycarbonate, 0.125"	
8 ft fixtures			N1 Normal (1.2<1.4 SC)		
FOB18 1'x8'			S1 Spread (1.4<1.8 SC)		
FOB168 16"x8'			B1 Broad (1.8<SC) ^{3,4}		
FOB28 2'x8'					

Ballast configuration	Ballast	Lamp color	Options
(blank) All 2-lamp ballasts ⁶	GEB10IS T8 electronic ballast, ≤10% THD, instant start, normal BF	(blank) No lamps	OUTCTR Wiring leads pulled through back center of fixture ⁷
1/3 One 3-lamp ballast	GEB10ISH T8 electronic ballast, ≤10% THD, instant start, high BF	LP830 85 CRI, 3000K, std. life	AB Double-gasketing
1/4 One 4-lamp ballast	GEB10ISL T8 electronic ballast, ≤10% THD, instant start, low BF	LP835 85 CRI, 3500K, std. life	20GA 20-gauge steel construction
1/41/2 One 4-lamp & one 2-lamp ballast	GEB10PS90 T5HO 90° electronic ballast, ≤10% THD, programmed rapid start	LP841 85 CRI, 4100K, std. life	AL Aluminum construction
2/3 Two 3-lamp ballasts		LP850 85 CRI, 5000K, std. life	WG Wireguard, 11 ga., external mounting
2/4 Two 4-lamp ballasts			
3/4 Three 4-lamp ballasts			

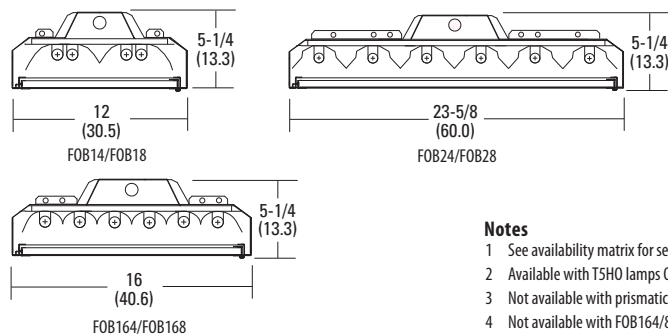
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS				
SERIES	NUMBER OF LAMPS	WIDTH	HEIGHT	LENGTH
FOB14 / FOB18	2, 3	12 (30.5)	5-1/4 (13.3)	48 (121.9) / 96 (243.8)
FOB164 / FOB168	4	16 (40.6)	5-1/4 (13.3)	48 (121.9) / 96 (243.8)
FOB24 / FOB28	6	23-5/8 (60.0)	5-1/4 (13.3)	48 (121.9) / 96 (243.8)

ACCESSORIES	
ORDER SEPARATELY	
IBAC120 M20	10' adjustable aircraft cable, 2-hook Y hanger (one pair)
IBAC240 M20	20' adjustable aircraft cable, 2-hook Y hanger (one pair)
MHYTGB10	10' adjustable aircraft cable, 2-toggle Y hanger (one pair)
HBBS36	3' jack chain with hanger (one pair)
THSDZ3HB	Monopoint hanger, 3/4" hub (for 12" fixture - 4' only)
THSDZ4HB	Monopoint hanger, 3/4" hub (for 16" & 24" fixtures - 4' only)
THSDZ3SK	Side covers for monopoint hanger (for 12" fixture - 4' only)
THSDZ4SK	Side covers for monopoint hanger (for 16" & 24" fixture - 4' only)
ALP MHRMKN	Rigid-mount bracket (for 12" fixture)
ALP MHRMK	Rigid-mount bracket (for 16" and 24" fixtures)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See availability matrix for series and lamp configurations.
- Available with T5HO lamps ONLY.
- Not available with prismatic lens option.
- Not available with FOB164/8 (6L) or FOB24/8 (8L).
- Available with N1 (normal) distribution only.
- Not available in 4ft fixtures with six or more lamps.
- Specify OUTCTR when monopoint hanger will be used.

PRODUCT INFORMATION

FAL



Intended Use
FAL provides peak optical performance with maximum fixture efficiency for aisle lighting in industrial, commercial and retail applications. The unique COOL RUNNING™ technology provides trouble-free operation in ambient spaces up to 65°C. T5 is ideal for mounting heights up to 50', T8 for mounting heights up to 35' in climate-controlled spaces. Using high performance optics will reduce the number of fixtures required and maximize energy savings. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic**

Environmental Compatibility tables on pages 794-795 for suitable uses.
Construction
Heavy-duty code-grade steel construction to withstand the most demanding environments. Optical system fully encased inside the steel housing to protect components during shipment and installation. Sockets include secure positioning rotating collars with enclosed contacts for positive lamp retention and safety. Access plate on the back of the channel housing allows quick and easy wiring. Tool-less ballast and wiring access.

Fixtures are joined together in the field with rigid internal brackets using eight screws. All assemblies require two support points (see accessories).
Finish: Channel is high-gloss, white baked enamel; five-stage iron phosphate pretreatment ensures superior paint adhesion and rust resistance.
Optics
Optical system provides focused distribution with no uplight and spacing criteria of 0.9. Reflectors are high-performance, 95% total reflectance, segmented optics utilizing highly

reflective specular aluminum warranted for 25 years.
Electrical
Thermally protected, resetting Class P, HPF, A+ sound rated electronic ballast. AWN, TFM or THHN wire used throughout. Rated for required temperatures.
Installation
Suitable for suspension by chain or cable mounting. (One support recommended for each 4' of fixture).
Listings
UL Listed to US and Canadian safety standards. Suitable for damp locations.



Example: FAL 54L

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Series	Lamp type	Distribution	Voltage	Ballast configuration
FAL Aisle lighter, 8'	Lamps installed ¹	(blank) Focus distribution no uplight, SC < 0.9	(blank) MVOLT ²	(blank) Standard configuration (see table)
FAL12 Aisle lighter, 12'	54L 54W T5HO		347 347V	1/4 One 4-lamp ballast
FAL16 Aisle lighter, 16'	32L 32W T8 <u>Unlamped</u> 54 54W T5HO 32 32W T8		480 480V ³	2/2 Two 2-lamp ballasts
Ballast		Lamp color		Options
(blank) T5HO electronic ballast, ≤10% THD, programmed rapid start		T5HO		EL14 Emergency battery pack (1400 lumens) ⁴
(blank) T8 electronic ballast, ≤10% THD, instant start, high BF		(blank) F54T5HO/841		GLR Internal fast blow fuse ⁵
GEB10IS T8 electronic ballast, ≤10% THD, instant start, normal BF		LP830 F54T5HO/830		OCS OnePass® installed ⁵
		LP835 F54T5HO/835		PAF Powder coat after fabrication
		LP850 F54T5HO/850		WGI Wireguard, 11 gauge, PAF
		T5HO Amalgam ⁶		MSI Occupancy sensor pre-wired ⁵
		LP841A F54T5HO/841		

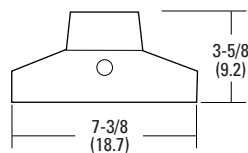
ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS			
NOMINAL SIZE	SERIES	FIXTURE CONFIGURATION	NUMBER OF LAMPS
7.2 x 8' (18.3 x 243.8)	FAL	8' section	2
7.2 x 12' (18.3 x 365.8)	FAL12	4' + 8' section	3
7.2 x 16' (18.3 x 487.7)	FAL16	Two 8' sections	4

STANDARD BALLAST CONFIGURATIONS			
LAMP TYPE	8'	12'	16'
T5HO	One 2-lamp ballast	One 3-lamp ballast	One 4-lamp ballast
T8 (0.88 BF)	One 2-lamp ballast	One 3-lamp ballast	One 4-lamp ballast
T8 (1.2 BF)	One 2-lamp ballast	One 3-lamp ballast	Two 2-lamp ballasts

ACCESSORIES	
ORDER SEPARATELY	
IBAC120 M20	Aircraft cable 10' Y hanger (one pair)
IBAC240 M20	Aircraft cable 20' Y hanger (one pair)
HSD36	Chain hanger, 36"
WGFAL	Wireguard, 43" ¹⁶

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

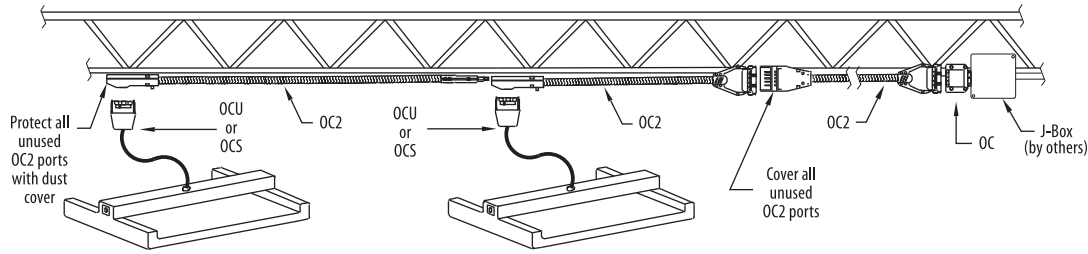


Notes

- 1 Unless otherwise specified, lamps installed are F54T5HO/841 for T5HO or F32T8/741 for T8.
- 2 120-277V.
- 3 For use with T5HO. Consult factory for use with T8.
- 4 UL Listed for 40° C ambient. Consult factory for 6-lamp fixtures. Output in emergency mode varies with ambient temperature (approximately 944 lumens at 25°C and 911 lumens at 45°C. Single-lamp operation only. Not available with HVOLT. Requires some assembly in field for 6-lamp fixture.
- 5 Specify voltage.
- 6 Not for use with sensors or EL14.

PRODUCT INFORMATION

RELOC® SYSTEM	FIXTURE WIRING OPTION	(A) 120V, 277V, 347V	(B) 208V, 240V, 480V	STANDARD WIRING INSTRUCTIONS NOTE: CONSULT FACTORY WHEN BATTERY PACKS REQUIRE RELOC® WIRING OPTIONS.
ONEPASS®	OCSor OCUTAP1	■		(A) One ballast requires hot 1 - OCS for voltage includes one selector switch; 1 neutral standard for OCS and OCU
	OCSor OCUTAP2	■		A) One ballast requires hot 2 - OCS for voltage includes one selector switch; 1 neutral standard for OCS and OCU
	OCSor OCUTAP3	■		(A) One ballast requires hot 3 - OCS for voltage includes one selector switch; 1 neutral standard for OCS and OCU
	OCS		■	(B) One ballast requires hots 1 & 2 - OCS for voltages include two selector switches; neutral not required
	OCS		■	B) One ballast requires hots 1 & 3 - OCS for voltages include two selector switches; neutral not required
	OCS		■	(B) One ballast requires hots 2 & 3 - OCS for voltages include two selector switches; neutral not required
	OCUTAP12	■	■	(A) Two ballast requires individual hots 1 & 2 and 1 neutral; one ballast requires hot 1 battery pack hot 2 and 1 neutral (B) One ballast requires hots 1 & 2; neutral not required
	OCUTAP34		■	(B) One ballast requires hots 3 & 4; neutral not required
	OCUTAP13	■		(A) One ballast that requires hot 1 and battery pack requires unswitched hot 3 and neutral 1
	OCUTAP23	■		(A) One ballast that requires hot 2 and battery pack requires an unswitched hot 3 and neutral 1
	OCUTAP22N	■		(A) One ballast requires hot 2 and neutral 2 only
	OCUTAP122N	■		(A) Two ballast: One ballast requires hot 1 and neutral 1 while the other ballast requires hot 2 and neutral 2



OPTION TYPE	NOMENCLATURE	DESCRIPTION	IB	IBC	FSB	FAL	MSSH/B	MSB	DMW	DMS/DMSW	EIS/EFS	EFT	WRT	SRT	SRH	SSH	STP	VSL/VSLC	WW/WWC	VRS	VRT	VRI	VDC/VDS		
CORD SET OPTIONS	CS1	NEMA 5-15P 120V molded plug, black cord 18/3 6' standard	■	■	■	■	■																		
	CS3	NEMA L5-15P twist-lock 125V, black cord 18/3 6' standard	■	■	■	■	■																		
	CS7	NEMA 7-15P 277V molded plug, black cord, 18/3 6' standard	■	■	■	■	■																		
	CS11	NEMA L7-15P twist-lock 277V, black cord, 18/3 6' standard	■	■	■	■	■																		
	CS25	NEMA L24-20P twist-lock 347V, black cord, 18/3 6' standard	■	■	■	■	■																		
	CS88	Brad Harrison 16/3 cord and plug 5'											■												
	CS93	NEMA type S0, 600V, white, no plug, 18/3, 6' standard	■	■	■	■	■																		
	CS97	NEMA L8-20P, twist-lock 480V, black cord, 18/3, 6' standard	■	■	■	■	■																		
RELOC/POWER WIRING (Refer to table above.)	LST/LST7/LST11	Labor-saving tandem												■	■	■						■			
	OCS	OnePass® RELOC® wiring	■	■	■	■	■																		
	OUTCTR	Wiring out center of fixture			■																				
	PLF	Plug-in system square							■																
	PLR	Plug-in system round							■																
	PWS	Prewire 1/8"	■	■	■		■							■	■								■		
	TILW	Tandem in-line wiring																							
TILWP	Tandem in-line plug-in						■ ^{1,3}	■ ^{1,3}																	
T8 LAMPS	LP730	Min. 70 CRI and 3000K color temp.	■		■	■																			
	LP735	Min. 70 CRI and 3500K color temp.	■		■	■																			
	LP741	Min. 70 CRI and 4100K color temp.	■		■	■																			
T5 LAMPS	LP830	Min. 80 CRI and 3000K color temp.	■	■	■	■	■																		
	LP835	Min. 80 CRI and 3500K color temp.	■	■	■	■	■																		
	LP841	Min. 80 CRI and 4100K color temp.	■	■	■	■	■																		
T5 AMALGAM	LP850	Min. 80 CRI and 5000K color temp.	■	■	■	■	■																		
	LP835A	Min. 80 CRI and 3000K color temp.	■ ²	■	■ ²	■ ²	■ ²																		
BALLAST CONFIGURATIONS	1/2	One 2-lamp ballast			■	■				■	■		■					■				■			
	1/3	One 3-lamp ballast			■	■	■		■	■	■		■	■	■	■	■		■		■	■	■	■	
	1/4	One 4-lamp ballast	■		■	■	■		■	■	■	■	■	■	■	■	■		■		■	■	■	■	
	1/41/2	One 4-lamp and one 2-lamp ballast	■		■	■	■		■	■	■	■	■	■	■	■	■		■		■	■	■	■	
	2/2	Two 2-lamp ballasts	■	■	■	■	■		■	■	■	■	■	■	■	■	■		■		■	■	■	■	
	2/3	Two 3-lamp ballasts	■		■	■	■		■	■	■	■	■	■	■	■	■		■		■	■	■	■	
	3/2	Three two-lamp ballasts			■	■	■		■	■	■	■	■	■	■	■	■		■		■	■	■	■	

Notes
For footnotes, refer to page 109.

PRODUCT INFORMATION

OPTION TYPE	NOM.	DESCRIPTION	IB	IBC	FSB	FAL	MSSH	MSB	DMW	DMS/DMSW	EIS/EFS	EFT	WRT	SRT	SRH	SSH	STP	VSL/VSLC	VW/WVC	VRS	VRT	VRI	VDC/VDS
BALLAST	GEB	Generic electronic ballast																					
	GEB10IS	Instant start generic electronic ballast ≤ 10%THD	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	GEB10RS	Rapid start generic electronic ballast ≤ 10%THD	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	GEB10PS	Program start generic electronic ballast ≤ 10%THD	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	GEB10PS90	Program start generic electronic ballast ≤ 10%THD 90° case temp.	■	■	■	■		■	■	■	■	■ ²	■	■	■	■	■	■	■	■	■	■	■
	ACNS90	Advance Centium program start electronic ballast ≤ 10%THD 90° case temp.						■	■	■	■	■ ²	■	■	■	■	■	■	■	■	■	■	■
	ADZT	Advance Mark 7; dimming range, 5-100%; low voltage control, circuit (0-10); RZT/VZT. Dimming N/A with LST.	■ ¹					■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	ADEZ	Advance Mark 7; dimming range, 5-100%; phase control circuit; RZT/VZT. Dimming, N/A with LST.	■ ²	■ ³	■ ²			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	GEUS90	GE; ultrastart, high efficiency, e.g. GE-254-MV-PS-90, MVOLT. GEUS type ballast for F54T5HO. Suitable for higher ambient temp.	■	■	■			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	OSPS	Osram QTP (professional) electronic program-start, < 10THD, normal, ≤ 10%	■ ²		■ ²			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
HANGING/ MOUNTING	ES	Energy-saving, magnetic ballast						■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	CW ²²	Cold weather ballast; 0°F starting for RS slimline lamps and some T8 lamps							■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	CW20 ²²	Cold weather ballast; -20°F starting for HO and PG lamps							■	■	■ ¹⁰	■ ¹⁰	■	■	■	■	■	■	■	■	■	■	
	1B	Ceiling space							■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	BCD	Mounting bracket to chain hang DMW(two per package,excludes chain)							■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	CRE	Continous row mounting (end)					■	■							■	■	■	■	■	■	■	■	
	CRM	Continous row mounting (middle)					■	■							■	■	■	■	■	■	■	■	
	HC36	Chain hanger with 36" chain	■	■			■	■	■	■ ⁵	■ ⁵												
	HSD36	Chain hanger with 36" chain			■	■	■	■															
	MOTION SENSORS	IBAC120	Aircraft cable 10' Y hanger	■	■	■	■																
IBAC240		Aircraft cable 20' Y hanger	■	■	■	■																	
IBHMP		I-BEAM® hook monopoint	■	■	■	■																	
IBPMP		I-BEAM® pendant monopoint	■ ³	■ ³																			
MSSHAC		Adjustable aircraft cable support (non-feed)					■	■															
MSSHACF		Adjustable aircraft cable feed and support					■	■															
SQ		Swivel stem hanger					■	■		■ ⁶	■ ⁶												
THMS5HB		Tong hanger for MSSHAC					■	■															
THSD		Monopoint hanger w/ top opening			■																		
THSDHB		Monopoint hanger with 3/4" hub			■																		
THSDSK	Side covers for monopoint hanger			■																			
THUN	Tong hanger	■ ⁴																					
FUSING ¹⁸	MSI	Occupancy sensor pre-wired	■	■	■	■	■	■															
	BKTK	Internal fast-blow fuse; for use with 347V fixtures	■	■	■	■	■	■															
	GLR	Internal fast-blow fuse	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
RADIO INTERFERENCE FILTERS	GMF	Internal slow-blow fuse	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
	EIS	Inductive capacitor circuit designed to minimize interference from feed back into line. Meets MIL-STD 461A/462/463. Order either one per fixture(EIS1) or one per ballast(EIS2)							■	■				■	■								
	RIF1	Inductive capacitor circuit designed to minimize interference from feed back into line. 120V or 277V, 50HZ or 60HZ. One per fixture.							■	■	■	■			■	■	■	■	■	■	■	■	
EMERGENCY BATTERY PACKS	RIF2	Inductive capacitor circuit designed to minimize interference from feed back into line. 120V or 277V, 50HZ or 60HZ. One per ballast.			■				■	■	■	■			■	■	■	■	■	■	■		
	EL	Emergency battery pack (nominal 300 lumens)																	■	■			
	ELDW	Damp/wet location emergency battery pack (nominal 300 lumens)							■	■ ⁸	■	■	■	■	■	■	■	■	■	■	■	■	
	EL14	Emergency battery pack (nominal 1400 lumens)	■	■	■	■																	
	EL14DW	Damp/wet location emergency battery pack (nominal 1400 lumens)							■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	EL5DW	Damp/wet location emergency battery pack (nominal 500 lumens)							■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	EL6DW	Damp/wet location emergency battery pack (nominal 600 lumens)							■	■	■	■	■	■	■	■	■	■	■	■	■	■	
WIRE GUARDS	EL55	Emergency battery pack (nominal 390-700 lumens)					■	■															
	EL65	Emergency battery pack (nominal 1250 lumens)					■	■															
	WGIBZ	Wire guard for I-BEAM® fixture	■																				
	WGIBC	Wire guard for I-BEAM® compact fixture		■																			
	WGFSB12	Wire guard for SPEC-BEAM® 1'X 4' fixture			■																		
	WGFSB16	Wire guard for SPEC-BEAM® 16"X 4' fixture			■																		
	WGFSB24	Wire guard for SPEC-BEAM® 2'X 4' fixture			■																		
WGFBZ	Wire guard for FAL fixture				■																		
WGMS5HBZ	Wire guard for MSSHAC fixture					■																	
WGMS8Z	Wire guard for MSB fixture						■																

Notes
For footnotes, refer to page 109.

OPTION TYPE	NOM.	DESCRIPTION	IB	IBC	FSB	FAL	MSSH8	MS8	DMW	DMS/DM5W	EIS/EF5	EFT	WRT	SRT	SRH	SSH	STP	VSL/VSLC	VW/WVC	VRS	VRT	VRI	VDC/VDS		
HOUSING	AL	Aluminum housing																							
	STS	Stainless steel housing, natural																							
	STS ¹	Stainless steel housing, white																							
	WLD	Seam-welded housing																							
LENS	A12	#12 pattern acrylic																							
	A12125	#12 pattern acrylic, 0.125" thick																							
	A12156	#12 pattern acrylic, 0.156" thick																							
	A15	#15 pattern acrylic, 0.2" thick																							
	A19	#19 pattern acrylic, .156" thick																							
	ACL	Clear acrylic, 0.125" thick																							
	ACR	Clear acrylic																							
	AR	High-impact acrylic, 50% DR																							
	AR12	#12 pattern, high-impact acrylic, 0.140" thick																							
	ARDP	Deep high-impact acrylic, 50% DR																							
	ARF12	#12 pattern, high-impact acrylic, 0.140" thick																							
	K12	KSH #12 pattern acrylic, 0.125" thick																							
	K12UVAV	KSH12 UVA lite, ultraviolet filtering lens																							
	PCL	Prismatic polycarbonate																							
	PCLW	White polycarbonate																							
	PCL125	Clear polycarbonate, 0.125" thick																							
	PCL12125	#12 pattern polycarbonate, 0.125" thick																							
	PCL12187	#12 pattern polycarbonate, 0.187" thick																							
	PCL156	Polycarbonate, 0.156" thick																							
	SCE	Surface conduit entry lens																							
	SYA	PSI symmetric/asymmetric acrylic																							
	SYAR	PSI symmetric/asymmetric acrylic with radio filter grid																							
	T73	#73 pattern, tempered glass, 0.190" thick																							
VL	.250" polycarbonate lens laminated to 0.125" #12 pattern acrylic overlay, 0.375" thick																								
LOUVERS	MSSH8 SBL46	Straight blade lower for MSSH8 fixture																							
	MS8 SBL48	Straight blade lower for MS8 fixture																							
DOOR FRAMES	FM	Flush aluminum, matte black																							
	FN	Flush aluminum, natural																							
	FSF	Steel full door, white																							
	FSS	Stainless inset, natural																							
	FSSF	Stainless full door, natural																							
	FSSF ¹⁵	Stainless full door, white																							
	FSSW	Stainless inset, white																							
	FW	Aluminum inset, white																							
FWF	Aluminum full door, white																								
TAMPER-RESISTANT	TP6	Tamper-resistant screws, six per fixture																							
	TPS	Tamper-resistant screws																							
GASKETING	ABC	Triple neoprene gasketing (frame, lens and housing)																							
	LG	Additional lens gasketing, neoprene																							
FINISHES	PAF	Painted after fabrication																							
	GALV	Galvanized																							
SCREWDRIVERS	NSCR	Non-stick corrosion-resistant																							
	RK1 T20BIT	Hex base driver bit, TORX® TX-20																							
MISCELLANEOUS	RK1 T20DRV	Screwdriver, TORX® TX-20																							
	DL	Damp location																							
	FPA	Food processing area																							
	HPD	High pressure hose down																							
	LATC	Screw-on hold-down clips to secure troffer to T-bar. Field installed. Attach by screwing to fixture end plates. Four furnished per fixture.																							
	LPD	Low pressure hose down																							
	NLCFH	Compact fluorescent night light																							
	SCG	Surface conduit gasket																							
	STSL	Stainless steel latches																							
	WLF	Wet location fitting																							

- Notes**
- 1 Must specify voltage.
 - 2 F54T5HO only.
 - 3 2 ballast configuration required - must be factory installed.
 - 4 T8 lamp only.
 - 5 Requires BCD option.
 - 6 Suitable for damp location only.
 - 7 296 only.
 - 8 Suitable for wet locations.
 - 9 EIS only.
 - 10 T12HO lamps only.
 - 11 EFS/EFSC only.
 - 12 Must specify LPD.
 - 13 Requires minimum .125 thick lens.
 - 14 Requires TORX® TX20 screwdriver (order separately, Catalog No. RK1 T20DRV).
 - 15 For use with grid mounted fixtures only.
 - 16 Must specify HPD.
 - 17 Requires minimum .156" thick lens.
 - 18 Must specify voltage.
 - 19 Provided with one pair of surface conduit gaskets.
 - 20 VSL only- not available in 3 lamp model.
 - 21 One pair not installed.
 - 22 Not recommended for use in ambient temperatures exceeding 40° F.
 - 23 Tandem units only.



LITHONIA SPECIAL APPLICATIONS

Lithonia Lighting offers a full range of Special Application fixtures designed to fit applications such as schools, recreational areas, institutions, apartment complexes, train and bus stations, parking garages and government buildings. We feature products from our popular Rough Service line that are designed to withstand both physical and environmental abuses, from the extreme intent-to-destroy to minor impacts. We also offer a wide variety of food-processing and enclosed and gasketed wet location products. Available in incandescent, compact fluorescent, HID, induction and linear fluorescent fixtures, the opportunities are endless with Special Application products.



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PRODUCT INFORMATION

FFB



Intended Use
Ideal for use in cold-storage areas. Provides significant energy savings, improved color recognition and longer maintenance cycles over standard metal halide systems. May be mounted at heights of 15' to 40' and is available with a variety of photometric options. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
Channel, ends and socket brackets are manufactured from 22-gauge cold-rolled steel. Riveted and screwed

assembly. Tool-less ballast and wiring access. Optional heavy-gauge steel or all-aluminum construction are also available.

Lamp shielding options are provided with a 22-gauge premium polyester powder coat finish door frame with two painted hinges and two painted opposing rotary cam latches. Lenses are held in place with lens clips. Fixture is provided with double gasketing around door frame and lens.

Finished in premium polyester powder coat finish, utilizing a seven-stage pretreatment process of iron phosphate, a non-chromium sealer and a de-ionized

water rinse to provide superior adhesion and corrosion resistance.

Optics
Reflectors are precision-formed, high-performance, 95% total reflectance, segmented optics utilizing premium specular aluminum warranted for 25 years.

Electrical
Ballasts are electronic, energy-saving, thermally protected, Class P, HPF, non-PCB, Sound Rating A, UL/CSA certified where applicable and comply with Federal Ballast Law (Public Law 100-357, 1988). UL listed wire, rated for required temperatures, used throughout.

Lamps are secured with rotary locking lampholders for ease of re-lamping and to minimize disconnection due to vibration or incidental contact. Factory-installed lamps are available in various CRI ratings, temperature colors and rated life.

Installation
May be offset mounted to a hard ceiling or may be suspended with aircraft cable, chain hangers or by monopoint hanger.

Listings
Luminaire is bi-national listed (UL 1598 and CSA C22.2 No. 250.0-00) and is suitable for damp locations down to -29°C (-20°F). Certified to meet Splash Zone 1.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: FFB164 6 54T5HO T1X20 ACL MVOLT 1/41/2 GEB10P590 LP841

Series	Number of lamps ¹	Lamp type	Distribution/Reflector	Shielding	Voltage
4 ft fixtures	2	32 32W T8 (48")	Distribution	Reflector	A12125 Pattern 12 acrylic, 0.125"
FFB14 1' x 4'	3	54T5HO 54W T5HO (46")	F1 Focus (0.9>SC) ^{2,3,4}	X20 Specular aluminum	MVOLT
FFB164 16" x 4'	4		T1 Task (0.9<1.2 SC)	D20 White powder coat ⁵	HVOLT
FFB24 2' x 4'	6		N1 Normal (1.2<1.4 SC)		
8 ft fixtures	8		S1 Spread (1.4<1.8 SC)		
FFB18 1' x 8'			B1 Broad (1.8< SC) ^{3,4}		
FFB168 16" x 8'					
FFB28 2' x 8'					

Ballast configuration	Ballast	Lamp color	Options
(blank) All 2-lamp ballasts ⁶	GEB10IS T8 electronic ballast, ≤10% THD, instant start, normal BF	(blank) No lamps	OUTCTR Wiring leads pulled through back center of fixture ⁷
1/3 One 3-lamp ballast	GEB10ISH T8 electronic ballast, ≤10% THD, instant start, high BF	LP830 85 CRI, 3000K, std. life	20GA 20-gauge steel construction
1/4 One 4-lamp ballast	GEB10ISL T8 electronic ballast, ≤10% THD, instant start, low BF	LP835 85 CRI, 3500K, std. life	AL Aluminum construction
1/41/2 One 4-lamp & one 2-lamp ballast	GEB10P590 T5HO 90° electronic ballast, ≤10% THD, programmed rapid start	LP841 85 CRI, 4100K, std. life	WG Wireguard, 11 ga., external mounting
2/3 Two 3-lamp ballasts		LP850 85 CRI, 5000K, std. life	
2/4 Two 4-lamp ballasts			
3/4 Three 4-lamp ballasts			

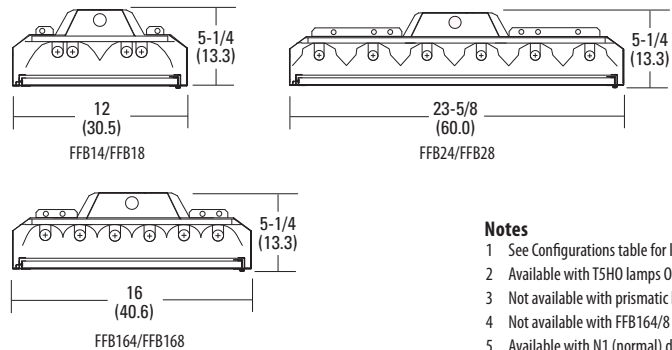
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS				
SERIES	NUMBER OF LAMPS	WIDTH	HEIGHT	LENGTH
FFB14 / FFB18	2, 3, 4	12 (30.5)	5-1/4 (13.3)	48 (121.9) / 96 (243.8)
FFB164 / FFB168	4, 6	16 (40.6)	5-1/4 (13.3)	48 (121.9) / 96 (243.8)
FFB24 / FFB28	6, 8	23-5/8 (60.0)	5-1/4 (13.3)	48 (121.9) / 96 (243.8)

ACCESSORIES	
ORDER SEPARATELY	
IBAC120 M20	10' adjustable aircraft cable, 2-hook Y hanger (one pair)
IBAC240 M20	20' adjustable aircraft cable, 2-hook Y hanger (one pair)
MHYTGB10	10' adjustable aircraft cable, 2-toggle Y hanger (one pair)
HBBS36	3' jack chain with hanger (one pair)
THSDZ3HB	Monopoint hanger, 3/4" hub (for 12" fixture - 4' only)
THSDZ4HB	Monopoint hanger, 3/4" hub (for 16" & 24" fixtures - 4' only)
THSDZ3SK	Side covers for monopoint hanger (for 12" fixture - 4' only)
THSDZ4SK	Side covers for monopoint hanger (for 16" & 24" fixture - 4' only)
ALP MHRMKN	Rigid-mount bracket (for 12" fixture)
ALP MHRMK	Rigid-mount bracket (for 16" and 24" fixtures)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



- Notes**
- See Configurations table for lamp compatibility.
 - Available with T5HO lamps ONLY.
 - Not available with prismatic lens option.
 - Not available with FFB164/8 (6L) or FFB24/8 (8L).
 - Available with N1 (normal) distribution only.
 - Not available in 4' fixtures with six or more lamps.
 - Specify OUTCTR when monopoint hanger will be used.

PRODUCT INFORMATION

Intended Use

Ideal for use in retail, industrial, commercial and warehouse environments where water may drip, run or splash against it. Fixture has not been rated for use in areas with pressurized water jets. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Channel, ends and socket brackets are manufactured from 20-gauge aluminum. Riveted and screwed assembly. Tool-less ballast and wiring access.

Lamp shielding options are provided with a 20-gauge aluminum premium polyester powder coat finish door frame with two painted hinges and two painted opposing rotary cam latches. Lenses are held in place with lens clips. Fixture is provided with double gasketing around door frame and lens.

Finished in premium polyester powder coat finish, utilizing a seven-stage pretreatment process of iron phosphate, a non-chromium sealer and a de-ionized water rinse to provide superior adhesion and corrosion resistance.

Optics

Reflectors are precision-formed, high-performance,

95% total reflectance, segmented optics utilizing premium specular aluminum warranted for 25 years.

Electrical

Ballasts are electronic, energy-saving, thermally protected, Class P, HPF, non-PCB, Sound Rating A, UL/CSA certified where applicable and comply with Federal Ballast Law (Public Law 100-357, 1988). UL listed wire, used for required temperatures, used throughout.

Lamps are secured with rotary locking lampholders for ease of re-lamping and to minimize disconnection due to vibration or incidental contact. Factory-installed lamps are available in various

CRI ratings, temperature colors and rated life.

Installation

May be offset mounted to a hard ceiling or may be suspended with aircraft cable or chain hangers.

Listings

Luminaire is bi-national listed (UL 1598 and CSA C22.2 No. 250.0-00) and is suitable for wet locations from 0°C (32°F) to 30°C (85°F).

FWB



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: FWB24 6 32 T1X20 PCL125 MVOLT 1/41/2 GEB10IS LP841

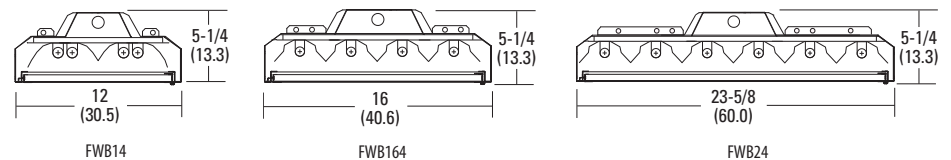
Series	Number of lamps ¹	Lamp type	Distribution/Reflector	Shielding	Voltage
FWB14	1' x 4'	2	32 32W T8 (48")	Distribution	MVOLT
FWB164	16" x 4'	3	28T5 28W T5 (46")	Reflector	HVOLT
FWB24	2' x 4'	4	54T5HO 54W T5HO (46")	F1 Focus (0.9>5C) ²	
		6		X20 Specular aluminum	
				D20 White powder coat ³	
				N1 Normal (1.2<1.4 SC)	
				S1 Spread (1.4<1.8 SC)	
				B1 Broad (1.8< SC)	
Ballast configuration		Ballast	Lamp color	Options	
(blank)	All 2-lamp ballasts ⁴	GEB10IS T8 electronic ballast, ≤10% THD, instant start, normal BF	(blank) No lamps	CX	6ft, 18/3 white cord (no plug)
1/3	One 3-lamp ballast	GEB10ISH T8 electronic ballast, ≤10% THD, instant start, high BF	LP830 85 CRI, 3000K, std. life	CXL10	10ft, 18/3 white cord (no plug)
1/4	One 4-lamp ballast	GEB10ISL T8 electronic ballast, ≤10% THD, instant start, low BF	LP835 85 CRI, 3500K, std. life		
1/41/2	One 4-lamp & one 2-lamp ballast	GEB10PS T5 electronic ballast, ≤10% THD, programmed rapid start	LP841 85 CRI, 4100K, std. life		
2/3	Two 3-lamp ballasts	GEB10PS90 T5HO 90° electronic ballast, ≤10% THD, programmed rapid start	LP850 85 CRI, 5000K, std. life		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS				
SERIES	NUMBER OF LAMPS	WIDTH	HEIGHT	LENGTH
FWB14	2, 3	12 (30.5)	5-1/4 (13.3)	48 (121.9)
FWB164	4	16 (40.6)	5-1/4 (13.3)	48 (121.9)
FWB24	6	23-5/8 (60.0)	5-1/4 (13.3)	48 (121.9)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



ACCESSORIES	
ORDER SEPARATELY	
IBAC120 M20	10' adjustable aircraft cable, 2-hook Y hanger (one pair)
IBAC240 M20	20' adjustable aircraft cable, 2-hook Y hanger (one pair)
MHYTGB10	10' adjustable aircraft cable, 2-toggle Y hanger (one pair)
HBBS36	3' jack chain with hanger (one pair)
ALP MHRMKN	Rigid-mount bracket (for 12" fixture)
ALP MHRMK	Rigid-mount bracket (for 16" and 24" fixtures)

Notes

- 1 See Configurations table for lamp compatibility.
- 2 Available with T5HO lamps ONLY.
- 3 Available with N1 (normal) distribution only.
- 4 This is currently the only configuration available for T5 lamps.

FHH



Intended Use
Ideal for use in cold-storage, food-processing, manufacturing and industrial environments. Durable fixture design will perform extremely well in rugged environments. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
Channel, ends and socket brackets are manufactured from 20-gauge aluminum. Designed with angled (sloping) top. Riveted and screwed assembly. Tool-less ballast and wiring access.

Lamp shielding options are provided with a 20-gauge aluminum premium polyester powder coat finish door frame with twelve stainless steel captive bolts. Fixture is provided with double gasketing around door frame and lens.

Finished in premium polyester powder coat finish, utilizing a seven-stage pretreatment process of iron phosphate, a non-chromium sealer and a de-ionized water rinse to provide superior adhesion and corrosion resistance.

Optics
Reflectors are precision-formed, high-performance, 95% total reflectance, segmented optics utilizing premium specular aluminum warranted for 25 years.

Electrical
Ballasts are electronic, energy-saving, thermally protected, Class P, HPF, non-PCB, Sound Rating A, UL/CSA certified where applicable and comply with Federal Ballast Law (Public Law 100-357, 1988). UL listed wire, rated for required temperatures, used throughout.

All fixtures supplied with 6ft wet-location white power cord (no plug) on one fixture end.

Lamps are secured with rotary locking lampholders for ease of re-lamping and to minimize disconnection due to vibration or incidental contact. Factory-installed lamps are available in various

CRI ratings, temperature colors and rated life.

Installation
All fixtures come pre-lamped with standard 4100K lamps and with four integral suspension flanges for use with aircraft cable or chain hangers (chain and cable not included).

Listings
UL/C-UL Listed to U.S. and Canadian safety standards. NOM Certified (see options). UL 1598 and CSA C22.2 No. 250.0-00 and is suitable for wet locations from 0°C (32°F) to 30°C (85°F). IP65 rated and certified to meet NSF Splash Zone 2. For more NSF information, see page 793.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: FHH164 454L ND

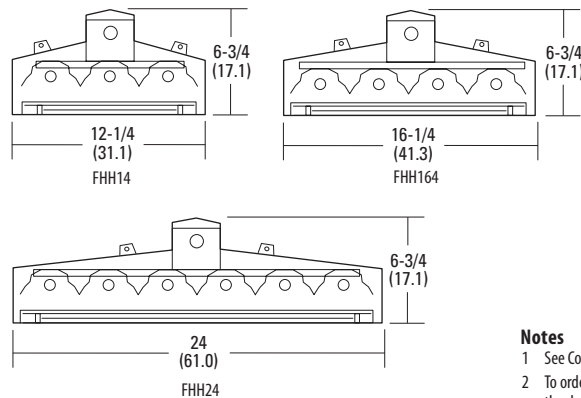
Series	Lamp type ^{1,2}	Shielding		Distribution	Voltage
FHH14	1' x 4'	T5HO lamps	T5 lamps	(blank) Clear acrylic, 0.125"	(blank) MVOLT
FHH164	16" x 4'	254L 2-lamp 54W	228T5L 2-lamp 28W	PCL Clear polycarbonate, 0.125"	(blank) HVOLT
FHH24	2' x 4'	354L 3-lamp 54W	328T5L 3-lamp 28W	White ballast cover	
		454L 4-lamp 54W	332L 3-lamp 32W	(blank) General distribution	
		428T5L 4-lamp 28W	432L 4-lamp 32W	Specular reflector	
		654L 6-lamp 54W	632L 6-lamp 32W	ND Narrow distribution	
				SD Spread distribution	

Ballast configuration	Ballast	Lamp color ⁴	Options
T5HO/T5/T8	(blank) T8 electronic ballast, ≤10% THD, instant start, high BF	(blank) 85 CRI, 4100K, std. life	(blank) 6ft, 18/3 white cord (no plug)
(blank) All 2-lamp ballasts ³	GEB10IS T8 electronic ballast, ≤10% THD, instant start, normal BF	LP830 85 CRI, 3000K, std. life	CXL12 12ft, 18/3 white cord (no plug)
T5HO/T8	GEB10ISL T8 electronic ballast, ≤10% THD, instant start, low BF	LP835 85 CRI, 3500K, std. life	L/CX No cord provided
1/3 One 3-lamp ballast	(blank) T5/T5HO electronic ballast, ≤10% THD, programmed rapid start	LP850 85 CRI, 5000K, std. life	EL14DW Wet location battery pack (1400 lumens) ⁵
1/4 One 4-lamp ballast			TRS Tamper-resistant screws ⁶
1/41/2 One 4-lamp & one 2-lamp ballast			HHK Stainless steel v-hook
2/3 Two 3-lamp ballasts			RMK Rigid mount kit
			NOM Meets Mexican standards

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS				
SERIES	NUMBER OF LAMPS	WIDTH	HEIGHT	LENGTH
FHH14	2, 3	12-1/4 (31.1)	6-3/4 (17.1)	48 (121.9)
FHH164	4, 6	16-1/4 (41.3)	6-3/4 (17.1)	48 (121.9)
FHH24	4, 6	24 (61.0)	6-3/4 (17.1)	48 (121.9)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See Configurations table for lamp compatibility.
- To order fixtures WITHOUT pre-installed lamps, remove the "L" from the description (example: FHH164 454).
- Standard on 28T5. Not available on 6-lamp fixtures
- Alternate lamp color needed only if pre-installed lamps are provided.
- Must specify voltage and L/CX (not available with cord).
- Stainless steel TORX® T25 screws with center reject pin.

PRODUCT INFORMATION

FHE



Intended Use
Ideal for use in cold-storage, food-processing, manufacturing, industrial, gymnasium and exterior retail environments. Fiberglass enclosure protects fixture while remaining easy to service and clean. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
One-piece fiberglass housing with continuous poured-in-place closed cell gasket. Tool-less ballast and wiring access. Impact-resistant clear acrylic diffuser with frosted

ends is standard. Polycarbonate diffuser option is also available and recommended for school and gymnasium applications. 12 stainless steel latches included with all fixtures.

Optics
Reflectors are precision-formed, high-performance, 95% total reflectance, segmented optics utilizing premium specular aluminum warranted for 25 years.

Electrical
Ballasts are electronic, energy-saving, thermally protected, Class P, HPF, non-PCB, Sound Rating A, UL/CSA certified where applicable and comply with Federal Ballast Law (Public Law 100-357,

1988). UL listed wire, rated for required temperatures, used throughout. Lamps are secured with rotary locking lampholders for ease of re-lamping and to minimize disconnection due to vibration or incidental contact. Factory-installed lamps are available in various CRI ratings, temperature colors and rated life.

Installation
All fixtures come pre-lamped with standard 4100K lamps. Surface conduit entry provisions with watertight plugs are standard. Stainless steel universal mounting brackets included for suspension with aircraft cable or hangers (chain and cable not included).

Listings
UL/C-UL Listed to U.S. and Canadian safety standards. NOM Certified (see options). UL Listed for 40°C ambient (except 6-lamp 54T5HO which is UL Listed 30°C ambient) and wet location. IP65, IP66 and IP67 rated and certified to meet NSF Splash Zone 2. NEMA 4X. For more NSF information, see page 793.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

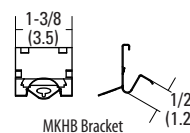
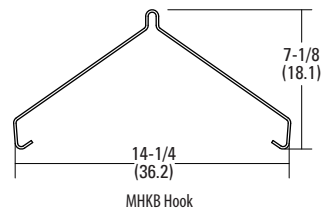
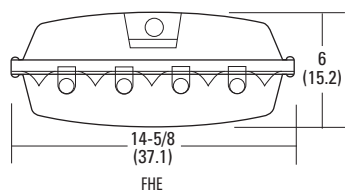
Example: FHE 654L ND

Series	Lamp type ¹	Shielding			Distribution	Voltage
FHE 15" x 4'	T5HO lamps	(blank) Clear acrylic PCL Clear polycarbonate ²	White ballast cover		(blank) MVOLT HVOLT	
	254L 2-lamp 54W		(blank) General distribution			
	354L 3-lamp 54W	Specular reflector				
	454L 4-lamp 54W	ND Narrow distribution				
	654L 6-lamp 54W	SD Spread distribution				
Ballast configuration		Ballast	Lamp color ³	Options		
T5HO/T5/T8		(blank) T8 electronic ballast, ≤10% THD, instant start, high BF	(blank) 85 CRI, 4100K, std. life LP830 85 CRI, 3000K, std. life LP835 85 CRI, 3500K, std. life LP850 85 CRI, 5000K, std. life	CX 6ft, 18/3 white cord (no plug)		
(blank) All 2-lamp ballasts	CXL12 12ft, 18/3 white cord (no plug)					
T5HO/T8		GEB10IS T8 electronic ballast, ≤10% THD, instant start, normal BF		EL14DW Wet location battery pack (1400 lumens) ⁴		
1/3 One 3-lamp ballast		GEB10ISL T8 electronic ballast, ≤10% THD, instant start, low BF		TRS Tamper-resistant screws ⁵		
1/4 One 4-lamp ballast		(blank) T5/T5HO electronic ballast, ≤10% THD, programmed rapid start		MHKB Stainless steel v-hook and brackets		
1/41/2 One 4-lamp & one 2-lamp ballast				RMK Rigid mount kit		
2/3 Two 3-lamp ballasts				SMB Surface mounting bracket		
				MSI Wet location occupancy sensor pre-wired ⁴		
				NOM Meets Mexican standards		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- To order fixtures WITHOUT pre-installed lamps, remove the "L" from the description (example: FHE 454).
- Recommended for school and gymnasium applications.
- Alternate lamp color needed only if pre-installed lamps are provided.
- Must specify voltage.
- Stainless steel TORX® T10 screws with center reject pin.

PRODUCT INFORMATION

EFT

Tough Task™



Intended Use
For low to medium mounting heights in demanding applications including hose-down and food-processing areas requiring ease of cleanability, compliance to FDA/USDA requirements and NSF splash-zone certification. Applications include meat/poultry/beverage processing, cosmetics and pharmaceuticals. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on**

pages 794-795 for suitable uses.

Construction
Totally enclosed fixture with tubular acrylic, high-impact lens surrounding an aluminum channel. Channel is finished with a high-gloss, baked white polymeric powder.

Stainless steel end caps with silicone o-ring closed-cell gaskets close off fixture ends.

Optics
High-impact, clear DR acrylic lens; .125" nominal thickness.

Electrical
Fixture supplied with 5' power cord.

Installation
Two 7" stainless steel aircraft cables and S-hooks included.
4' and 8' lengths available.

Listings
UL Listed to US and Canadian safety standards, maximum 40°C ambient temperature and wet locations. IP65 rated for protection against ingress of water and contaminants. NSF International certified

splash-zone and meets FDA/USDA guidelines (standard). For more NSF information, see page 793.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

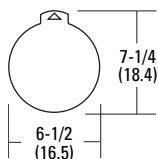
Example: EFT 2 32 MVOLT GEB10IS

Series	Number of lamps	Lamp type	Voltage	Ballast	Options
EFT	2	32 32W T8 (48")	120	GEB10IS T8 electronic ballast, ≤10% THD, instant start	<u>Shipped installed in fixture</u>
TEFT	Not included.	48HO 60W T12 800mA (48")	277	GEB10RS T8 electronic ballast, ≤10% THD, programmed rapid start	ELDW Wet location battery pack (300 lumens)
		48T8HO 44W T8 (48")	347	GEB10PS90 T5HO 90° electronic ballast, ≤10% THD, programmed rapid start	EL14DW Wet location battery pack (1400 lumens)
		96HO 110W T12 800mA (96")	MVOLT	GEB10PS T8HO electronic ballast, ≤10% THD, programmed rapid start	GLR Internal fast-blow fusing; must specify voltage
		96T8HO 86W T8HO 380mA (96")		GEB T12 electronic ballast, ≤20% THD ²	CSA Meets Canadian standards (347V only)
		54T5HO 54W T5HO (46") ¹			

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Must be specified with GEB10PS90 ballast.
- 2 Must specify voltage.

EIS EFS Tough Task™



Intended Use
Intended for demand-ing areas such as dust or hose-down (EIS) and food-processing (EFS) applications. Applications include EIS: docks, marine environments, heavy industrials and other non-hazardous environ-ments; EFS: food/beverage processing, cosmetics and pharmaceuticals. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
Fully gasketed, totally enclosed fixture formed of heavy-duty aluminum con-struction. Fully seam-welded construction. A variety of finishes available.

Available in standard (two- or three-lamp) or narrow (one lamp) channel with your choice of T5 or T8 lamps.

Optics
Clear prismatic, injection-molded high-strength acrylic diffuser (polycarbonate optional). Diffuser

retained to housing with stainless steel fasteners.

Installation
For unit or row installation, surface (ceiling or wall) or suspended.

Listings
UL Listed to US and Canadian safety standards. 25°C ambi-ent temperature rating and wet locations.

EIS: IP65 rated for protection against the ingress of water and contaminants.

EFS: IP65 rated for the protec-tion against the ingress of water and contaminants. Food Zone Non-Contact certified and meets FDA/ USDA guidelines (standard). For more NSF information, see page 793.

Example: EIS 2 32 MVOLT GEB10IS

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Series	Nmber of lamps ¹	Lamp type	Diffuser	Voltage	Ballast configuration
EIS Enclosed industrial (wide)	1	28T5 28W T5 (46")	(blank) Prismatic acrylic	MVOLT	(blank) Standard configuration
EISC Enclosed industrial (narrow)	2	32 32W T8 (48")	PCL Prismatic polycarbonate ³	120	1/3 One 3-lamp ballast (T8 only)
EFS Enclosed food service (wide)	3	48HO 60W T12 800mA (48")		277	
EFSC Enclosed food service (narrow)	Not included.	54T5HO 54W T5HO (46") ²		347	

Ballast	Options
GEB10IS T8 electronic ballast, ≤10% THD, instant start	ELDW Wet location battery pack (300 lumens) ⁵
GEB10RS T8 electronic ballast, ≤10% THD, programmed rapid start	EL14DW Wet location battery pack (1400 lumens) ⁵
GEB10PS T5 electronic ballast, ≤10% THD, programmed rapid start	GLR Internal fast-blow fusing; must specify voltage
GEB10PS90 T5HO 90° electronic ballast, ≤10% THD, programmed rapid start	RIF1 Radio interference filter, one per fixture ⁶
GEB T12 electronic ballast, ≤20% THD ⁴	

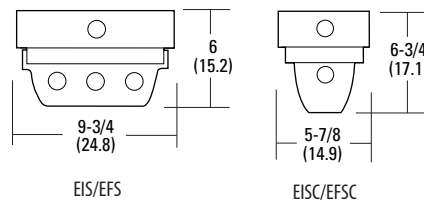
STSW	Stainles steel housing, white
STS	Stainless steel housing, natural
CSA	Meets Canadian standards (347V only)

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS					
SERIES	NUMBER OF LAMPS	LAMP TYPE	WIDTH	DEPTH	LENGTH
EIS	2, 3	28T5, 32, 48HO	9-3/4 (24.8)	6 (15.2)	48 (121.9)
EIS	2	54T5HO	9-3/4 (24.8)	6 (15.2)	48 (121.9)
EFS	1, 2, 3	28T5, 32, 48HO, 54HO	9-3/4 (24.8)	6 (15.2)	48 (121.9)
EISC	1	28T5, 32, 54T5HO	5-7/8 (14.9)	6-3/4 (17.1)	48 (121.9)
EFSC	1	28T5, 32, 54T5HO	5-7/8 (14.9)	6-3/4 (17.1)	48 (121.9)

ACCESSORIES	
ORDER SEPARATELY	
WLF	Wet location fittings (one pair, not installed)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 See Configurations table for lamp compatibility.
- 2 Must be specified with GEB10PS90 ballast.
- 3 Not available with EFS or EFSC.
- 4 Must specify voltage.
- 5 Luminaires ordered with DW option (example: EL5DW), will bear the UL emergency lighting equipment label for damp or wet locations. Available only with T8 lamp types.
- 6 For one filter per ballast, specify RIF2.

PRODUCT INFORMATION

DMW



Intended Use
For low to medium mounting heights and harsh environments where dust, dirt, humidity or moisture is present. Ideal for canopies, shipping docks, refrigerated areas and other non-hazardous environments. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
Impact-resistant, UV-stabilized, reinforced polyester fiberglass housing. Shatter-resistant, high-impact 50% DR acrylic diffuser standard. Poured-in gasketing provides a continuous seal between housing and diffuser. Captive, corrosion-resistant, cam-action latches secure the diffuser. Stainless steel (STSL) latches also are available.

Electrical
Ballast: Thermally protected, resetting, Class P, HPF, non-

PCB, CSA Certified ballast is standard. Sound rating depends on lamp/ballast combination.

Electrical: AWM, TFN or THHN wire used throughout, rated for required temperatures.

Installation
Installation: For unit or row installations, surface (ceiling or wall) or suspended mounting. Surface mount bracket included (two per 4' unit, four per 8' unit).

Listings
120V, 277V and MVOLT are UL Listed and CSA Certified (standard). See Options for 347V and NOM Certified. NSF splash-zone certified and/or meets FDA/USDA guidelines. For more NSF information, see page 793. Listed for 25°C ambient temperature. DMW is wet-location listed for covered-ceiling applications. IP65 rated. Optional IP67 rating available for 4' units only.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: DMW 2 32 MVOLT GEB10IS

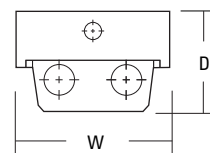
Series	Number of lamps ¹	Lamp type	Lens	Voltage	Ballast configuration >>>
DMW Wet location For tandem double-length unit, add prefix T. Example: TDMW	1	28T5 28W T5 (46")	(blank) High-impact acrylic, 50% DR	MVOLT	(blank) Standard configuration
	2	32 32W T8 (48")	ARDP Deep high-impact acrylic, 50% DR ³	120	
	3	96T8 59W T8 slimline (96")		277	1/3 One 3-lamp ballast
	Not included.	48H0 60W T12 800mA (48")		347	1/4 One 4-lamp ballast
		48T8H0 44W T8H0 (48")			
		96H0 110W T12 800mA (96")			
		96T8H0 86W T8 380mA (96")			
	54T5H0 54W T5H0 (46") ²				

Ballast	Options
GEB10IS T8 electronic ballast, ≤10% THD, instant start	BCD Mounting bracket to chain hang DMW (2 per package, excludes chain) ^{5,6}
GEB10RS T8 electronic ballast, ≤10% THD, programmed rapid start	HC36 Wire hook and 36" chain set (2 per package) ^{5,6}
GEB10PS T5 and T8H0 electronic ballast, ≤10% THD, programmed rapid start	MSI Wet location occupancy sensor pre-wired ⁴
GEB10PS90 T5H0 90° electronic ballast, ≤10% THD, programmed rapid start	IP67 IP67 rated, requires 8 latches
GEB T12 electronic ballast, ≤20% THD ⁴	STSL Stainless steel latches
	WLF Field-installable wet location fittings to stem-hang DMW on 1/2" rigid conduit (2 per package). For factory-installed fittings on top, order WLF as an option. ⁶
	CSA Meets Canadian standards (347V only)
	NOM Meets Mexican standards

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

SERIES	CONFIGURATIONS					
	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE	WIDTH	DEPTH	LENGTH
DMW	1, 2, 3	1, 2, 3	28T5, 32	7-5/8 (19.4)	4-3/4 (12.1)	50 (127.0)
DMW	1, 2	1, 2	54T5H0	7-5/8 (19.4)	4-3/4 (12.1)	50 (127.0)
DMW (ARDP)	1, 2, 3	1, 2, 3	28T5, 32	7-5/8 (19.4)	5-5/8 (14.3)	50 (127.0)
DMW (ARDP)	1, 2	1, 2	54T5H0	7-5/8 (19.4)	5-5/8 (14.3)	50 (127.0)
DMW	2	2	48T8H0	7-5/8 (19.4)	5-5/8 (14.3)	50 (127.0)
DMW	1, 2	1, 2	48H0	7-5/8 (19.4)	5-5/8 (14.3)	50 (127.0)
DMW	1, 2	1, 2	96H0, 96T8, 96T8H0	7-5/8 (19.4)	5-5/8 (14.3)	98 (248.9)
TDMW	1, 2	2, 4	28T5, 48H0, 54T5H0	7-5/8 (19.4)	5-5/8 (14.3)	98 (248.9)
TDMW	1, 2, 3	2, 4, 6	32	7-5/8 (19.4)	5-5/8 (14.3)	98 (248.9)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See Configurations table for lamp compatibility.
- Must use GEB10PS90 ballast.
- Deep lens is standard on 4' 48H0 and 48T8H0, and on all 8' fixtures. To match deep appearance on all other 4' units, order ARDP lens.
- Must specify voltage.
- For stainless steel, specify STS (example: BCD STS).
- Order accessories as separate catalog numbers.

Intended Use

For low to medium mounting heights and harsh environments where dust, dirt, humidity or moisture is present. Ideal for canopies, shipping docks, refrigerated areas, food-processing and other non-hazardous environments. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Fully gasketed, totally enclosed fixture is available in heavy-duty steel or aluminum housing (AL option) with a baked white enamel finish. A shatter-resistant high-impact 50% DR acrylic diffuser is secured by captive, corrosion-resistant pivot latches.

Electrical

Ballast: Thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA Certified ballast is standard. Sound

rating depends on lamp/ballast combination.

Electrical: AWM, TFN or THHN wire used throughout, rated for required temperatures.

Installation

Installation: For unit or row installations, surface or suspended mounting. Wet location DMSW available for covered-ceiling mount only.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). Suitable for

damp locations. DMSW is wet-location listed for covered-ceiling applications. Listed for 25°C ambient temperature.

DMS DMSW



Example: DMS 2 32 MVOLT GEB10IS

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Series	Number of lamps ¹	Lamp type	Lens	Voltage
DMS Damp location	1	32 32W T8 (48")	(blank) High-impact acrylic, 50% DR	MVOLT
DMSW Wet location	2	48HO 60W T12 800mA (48")	ARDP High-impact deep acrylic, 50 DR ³	120
For tandem double-length unit, add prefix T. Example: TDMS	3	48T8HO 44W T8HO (48")		277
	Not included.	96HO 110W T12 800mA (96")		347
		96T8 59W T8 slimline (96")		
		96T8HO 86W T8HO 380mA (96")		
		54T5HO 54W T5HO (46") ²		

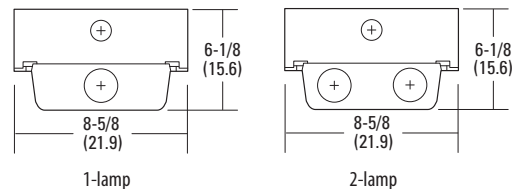
Ballast	Options
GEB10IS T8 electronic ballast, ≤10% THD, instant start	AL Aluminum housing
GEB10PS T8HO electronic ballast, ≤10% THD, programmed rapid start	WLF Field-installable wet location fittings to stem-hang DMS on 1/2" rigid conduit (2 per package). For factory-installed fittings on top, order WLF as an option.
GEB10PS90 T5HO 90° electronic ballast, ≤10% THD, programmed rapid start	CSA Meets Canadian standards (347V only)
GEB T12 electronic ballast, ≤20% THD ⁴	NOM Meets Mexican standards

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

SERIES	CONFIGURATIONS		LAMP TYPE	WIDTH	DEPTH	LENGTH
	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE				
DMS, DMSW	1, 2, 3	1, 2, 3	32	8-5/8 (21.9)	5-1/4 (13.3)	51 (129.5)
DMS, DMSW	1, 2	1, 2	54T5HO	8-5/8 (21.9)	6-1/8 (15.6)	51 (129.5)
DMS, DMSW (ARDP)	1, 2, 3	1, 2, 3	32	8-5/8 (21.9)	6-1/8 (15.6)	51 (129.5)
DMS, DMSW (ARDP)	1, 2	1, 2	54T5HO	8-5/8 (21.9)	6-1/8 (15.6)	51 (129.5)
DMS, DMSW	1, 2	1, 2	48HO, 48T8HO	8-5/8 (21.9)	6-1/8 (15.6)	51 (129.5)
DMS, DMSW	1, 2	1, 2	96HO, 96T8	8-5/8 (21.9)	6-1/8 (15.6)	98-3/8 (248.9)
DMS, DMSW	2	2	96T8HO	8-5/8 (21.9)	6-1/8 (15.6)	98-3/8 (248.9)
TDMS, TDMSW	1, 2, 3	2, 4, 6	32	8-5/8 (21.9)	6-1/8 (15.6)	98-3/8 (248.9)
TDMS, TDMSW	1, 2	2, 4	48HO, 54T5HO	8-5/8 (21.9)	6-1/8 (15.6)	98-3/8 (248.9)
TDMS, TDMSW	2	4	48T8HO	8-5/8 (21.9)	6-1/8 (15.6)	98-3/8 (248.9)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 See Configurations table for lamp compatibility.
- 2 Must be specified with GEB10PS90 ballast.
- 3 Deep lens is standard on 4' 48HO and 48T8HO, and on all 8' fixtures. To match deep appearance on all other 4' units, order ARDP lens.
- 4 Must specify voltage.

PRODUCT INFORMATION

WET LOCATION INDUSTRIAL



Intended Use

Designed for low to medium mounting heights. Ideal for applications where dirt, dust, humidity, moisture and cold temperatures are present. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Rugged light gray, polycarbonate housing with continuous poured gasket for an air-tight seal keeping out moisture, dust and humidity. Proved with cold-rolled steel enclosed wireway.

Optics

UV-stabilized, impact-resistant, polycarbonate lens. Ten (10) light gray polycarbonate latches attach the lens to the housing for a tight seal.

Electrical

Standard electronic ballast (120V, 60Hz) ensures no flickering and quiet operation. Starts instantly down to 0°F (0-18°C).

Installation

Two stainless steel mounting brackets included for flush or chain mounting (chain not included.)

Listings

UL Listed to US and Canadian safety standards and rated for wet locations. UL Listed for 25°C ambient and wet-locations. IP65 rated.

CONTRACTOR
SELECT

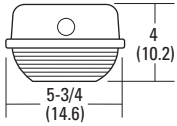
ORDERING INFORMATION

CATALOG NUMBER	NUMBER OF LAMPS	LAMP TYPE	VOLTAGE	BALLAST
XWL232 MV	2	32W T8	120 - 277	Electronic instant start
XWL254 MV	2	54T5HO	120 - 277	Electronic program start

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



VRI



Intended Use
General illumination for rough service (vandal-resistant) applications. Ideal for tunnels, canopies, shipping docks, refrigerated areas or any non-hazardous environment that requires a wet location listing. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
Housing: Impact-resistant, UV-resistant, fiberglass-reinforced polyester housing with cold-rolled steel enclosed wireway.

Latches: Six tamper-resistant latches per 4' unit; 10 per 8' unit.

Finish: Painted parts finished with high-gloss, baked white enamel. Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance.

Optics
Lens: High-impact 50% DR acrylic diffuser standard. Secured to fully gasketed housing by captive, tamper-resistant cam-action latches.

Electrical
Ballast: Thermally protected, Class P, HPF electronic ballast standard.

Installation
Installation: Suitable for surface, chain or stem mounting. Surface mount

bracket included. (Two per 4' unit, four per 8' unit).

For non-tamper-resistant fixture, see DMW fluorescent industrial, page 118.

Listings
UL Listed (standard). CSA Certified (see Options). UL listed for 25°C ambient and wet locations. IP65 rated. Optional IP67 rating available for 4' units only.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: VRI 2 32 MVOLT GEB10IS

Series	Number of lamps ¹	Lamp type	Lens	Voltage
VRI For tandem double length unit, add prefix T. Example: TVRI	1	28T5 28W T5 (46")	(blank) High-impact acrylic, 50% DR	MVOLT
	2	32 32W T8 (48")	DP High-impact deep acrylic, 50% DR ³	120
	3	48HO 60W T12 800mA (48")	PCL Polycarbonate ⁴	277
	Not included.	48T8HO 44W T8HO (48")		347
		96HO 110W T12 800mA (96")		
		96T8 59W T8 slimline (96")		
		96T8HO 86W T8HO 380mA (96")		
		54T5HO 54W T5HO (46") ²		

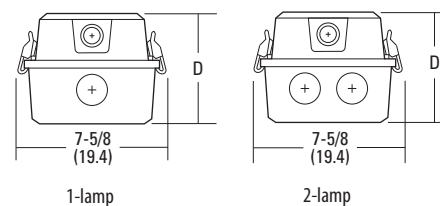
Ballast	Options ⁶
GEB10IS T8 electronic ballast, ≤10% THD, instant start	WLF Pre-installable wet location fittings to stem-hang VRI on 1/2" rigid conduit (2 per package). For factory-installed fittings on top, order WLF as an option ^{7,8}
GEB10RS T8 electronic ballast, ≤10% THD, programmed rapid start	BCD Mounting bracket to chain hang VRI (2 per package, excludes chain) ^{7,8}
GEB10PS T5 and T8HO electronic ballast, ≤10% THD, programmed rapid start	HC36 Wire hook and 36" chain set (2 per package) ^{7,8}
GEB10PS90 T5HO 90° electronic ballast, ≤10% THD, programmed rapid start	MSI Wet location occupancy sensor pre-wired ⁵
GEB T12 electronic ballast, ≤20% THD ⁵	IP67 IP67 rated, requires 8 latches
	CSA Meets Canadian standards

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS						
SERIES	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE	WIDTH	DEPTH	LENGTH
VRI	2	2	28T5	7-5/8 (19.4)	4-3/4 (12.1)	50 (127.0)
VRI	1, 2	1, 2	54T5HO	7-5/8 (19.4)	4-3/4 (12.1)	50 (127.0)
VRI	1, 2, 3	1, 2, 3	32	7-5/8 (19.4)	4-3/4 (12.1)	50 (127.0)
VRI(DP)	2	2	28T5	7-5/8 (19.4)	5-5/8 (14.3)	50 (127.0)
VRI(DP)	1, 2	1, 2	54T5HO	7-5/8 (19.4)	5-5/8 (14.3)	50 (127.0)
VRI(DP)	1, 2, 3	1, 2, 3	32	7-5/8 (19.4)	5-5/8 (14.3)	50 (127.0)
VRI	1, 2	1, 2	48HO	7-5/8 (19.4)	5-5/8 (14.3)	50 (127.0)
VRI	2	2	48T8HO	7-5/8 (19.4)	5-5/8 (14.3)	50 (127.0)
VRI	1, 2	1, 2	96HO, 96T8, 96T8HO	7-5/8 (19.4)	5-5/8 (14.3)	98 (248.9)
TVRI	2	4	48HO, 54T5HO	7-5/8 (19.4)	5-5/8 (14.3)	98 (248.9)
TVRI	1, 2, 3	4, 5, 6	32	7-5/8 (19.4)	5-5/8 (14.3)	98 (248.9)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 See Configurations table for lamp compatibility.
- 2 2 lamps max. 54T5HO must specify GEB10PS90 ballast.
- 3 Deep lens is standard on 4' 48HO and 48T8HO, and on all 8' fixtures. To match deep appearance on all other 4' units, order ARDP lens.
- 4 Standard depth lens provided. Not available with DP lens.
- 5 Must specify voltage.
- 6 For other options and accessories, see Accessories table and pages 148-149.
- 7 Order accessories as separate catalog numbers.
- 8 For stainless steel, specify STS (example: BCD STS).

PRODUCT INFORMATION

VSL VSLC



Intended Use
For areas that require higher levels of protection from physical assault or environmental elements, while providing proper illumination for safety and security. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
Housing: Heavy-duty 16-gauge cold-rolled steel, one-piece housing for durability and security.

Finish: Five-stage, iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

Gasket: One-piece, closed cell neoprene pad mounting gasket is factory installed to help seal against moisture, dust and insects.

Optics
Lens: Clear prismatic, injection-molded and UV-stabilized polycarbonate lens (.130" thick) that completely encloses face and all sides of housing. No exposed

metal surfaces. Optional lens (SCE) features easily removable molded-in lens membrane centered over end plate knockouts for surface conduit and wiring access. Includes gaskets (one pair, not installed). Lens is secured to housing with tamper-resistant TORX® T-20 screws with center reject pin (included).

Electrical
Ballast cover: Ballast and lampholders are installed to wireway cover to provide easy installation and service. Wireway cover safety chains included.

Socket: Medium bi-pin, highly heat resistant, with internal locking collar for positive lamp retention and resistance to impact and vibration.

Ballast: GEB10IS ballast for T8 lamps is electronic with 0°F starting temperature.

Listings
UL Listed to US and Canadian safety standards. CSA Certified (see Options). UL Listed for 25°C ambient and wet locations in covered-ceiling applications.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

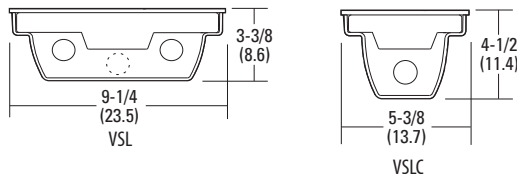
Example: VSL 2 32 MVOLT GEB10IS

Series	Number of lamps ¹	Lamp type	Lens	Voltage	Ballast	Options ⁵
VSL 9-1/4" wide	1	17 17W T8 (24")	(blank) Solid-end lens	MVOLT	GEB10IS T8 electronic ballast, ≤10% THD, instant start	DL Damp location
VSLC 5-3/8" wide	2	28T5 28W T5 (46")	SCE Surface conduit entry lens ⁴	120	GEB10RS T8 electronic ballast, ≤10% THD, programmed rapid start	ELDW Wet location battery pack (300 lumens) ^{2,6}
	3	32 32W T8 (48") ²		277	GEB10PS90 T5HO 90° electronic ballast, ≤10% THD, programmed rapid start	GLR Internal fast-blow fusing ⁷
	Not included.	54T5HO 54W T5HO (46") ³		347	GEB10PS T5 electronic ballast, ≤10% THD, programmed rapid start	RIF1 Radio interference filter, one per fixture CSA Meets Canadian standards

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS					
SERIES	NUMBER OF LAMPS	LAMP TYPE	WIDTH	DEPTH	LENGTH
VSL	2	17	9-1/4 (23.5)	3-3/8 (8.6)	25-3/8 (64.5)
VSL	2, 3	32	9-1/4 (23.5)	3-3/8 (8.6)	49-3/8 (125.4)
VSL	2	28T5, 54T5HO	9-1/4 (23.5)	3-3/8 (8.6)	49-3/8 (125.4)
VSLC	1	17	5-3/8 (13.7)	4-1/2 (11.4)	25-3/4 (65.4)
VSLC	1	28T5, 32, 54T5HO	5-3/8 (13.7)	4-1/2 (11.4)	49-3/4 (126.4)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



ACCESSORIES	
ORDER SEPARATELY	
RK1 T20BIT	TORX® TX20 hex-base driver bit for tamper-resistant screws with center reject pin
RK1 T20DRV	TORX® TX20 screwdriver for tamper-resistant screws with center reject pin
SCG	Surface conduit gasket (one pair, not installed)

- Notes**
- See Configurations table for lamp compatibility.
 - Available in 4' fixtures only.
 - Two lamps max. 54T5HO must specify GEB10PS90 ballast
 - Provided with one pair of surface conduit gaskets.
 - For other options and accessories, see Accessories table and pages 148-149.
 - Luminaires ordered with ELDW option (Example: EL5DW) will bear UL Emergency Lighting Equipment label for damp or wet location, depending on fixture.
 - Must specify voltage.

PRODUCT INFORMATION

FPG



Intended Use
Ideal for use in parking structures when mounted parallel with the drive lanes. Produces a very broad distribution across the drive lane, improved lighting uniformity, while also minimizing glare in the driver's eyes. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
The backplate is manufactured from 20-gauge

cold-rolled steel. Riveted and screwed assembly. Optional heavy-gauge steel or aluminum backplates are available.

Finished in premium polyester powder coat finish, utilizing a seven-stage pretreatment process of iron phosphate, a non-chromium sealer and a de-ionized water rinse to provide superior adhesion and corrosion resistance.

Optics
Reflectors are precision-formed, high-performance, 95% total reflectance,

segmented optics utilizing premium specular aluminum warranted for 25 years.

Electrical
Ballasts are electronic, energy-saving, thermally protected, Class P, HPF, non-PCB, Sound Rating A, UL/CSA certified where applicable and comply with Federal Ballast Law (Public Law 100-357, 1988). UL listed wire, rated for required temperatures, used throughout.

Lamps are secured with rotary locking lampholders for ease of re-lamping and

to minimize disconnection due to vibration or incidental contact. Factory-installed lamps are available in various CRI ratings, temperature colors and rated life.

Installation
Surface conduit entry is standard with this fixture series.

Listings
Luminaire is bi-national listed (UL 1598 and CSA C22.2 No. 250.0-00). UL Listed for 25°C ambient and damp locations.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: FPG4 2 54T5HO B1X20 MVOLT GEB10PS90 LP841

Series	Number of lamps	Lamp type	Distribution/Reflector		Voltage
FPG2 9.6" x 25.6"	2	17 17W T8 (24")	32 32W T8 (48")	Distribution	MVOLT
FPG4 9.6" x 49.6"		14T5 14W T5 (22")	28T5 28W T5 (46")	B1 Broad (1.8<SC)	HVOLT
		24T5HO 24W T5HO (22")	54T5HO 54W T5HO (46")	X20 Specular aluminum	

Ballast	Lamp color	Options
GEB10IS T8 electronic ballast, ≤10% THD, instant start, normal BF	(blank) No lamps	AL Aluminum backplate
GEB10ISH T8 electronic ballast, ≤10% THD, instant start, high BF	LP830 85 CRI, 3000K, standard life	ELSC4 Emergency battery pack (400 lumens)
GEB10ISL T8 electronic ballast, ≤10% THD, instant start, low BF	LP835 85 CRI, 3500K, standard life	
GEB10PS T5 electronic ballast, ≤10% THD, programmed rapid start	LP841 85 CRI, 4100K, standard life	
GEB10PS90 T5HO 90° electronic ballast, ≤10% THD, programmed rapid start	LP850 85 CRI, 5000K, standard life	

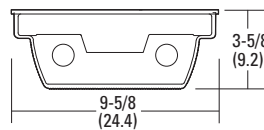
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS					
SERIES	NUMBER OF LAMPS	LAMP TYPE	HEIGHT	WIDTH	LENGTH
FPG2	2	17, 14T5, 24T5HO	3-5/8 (9.2)	9-5/8 (24.4)	25-5/8 (65.1)
FPG4	2	32, 28T5, 54T5HO	3-5/8 (9.2)	9-5/8 (24.4)	49-5/8 (126.0)

ACCESSORIES	
ORDER SEPARATELY	
HSD36	3' jack chain with hanger (one pair)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

FEN FEM



Intended Use
Ideal for use in cold, wet or damp environments where an attractive yet shallow enclosure is required - such as parking garages, industrial facilities, retail malls and multi-purpose centers. Well-suited for lower mounting heights where wide fixture spacings are required. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
One-piece fiberglass housing with continuous poured-in-place closed-cell gasket. Internal backplate functions

as reflector and wireway cover. Tool-less ballast and wiring access.

Standard backplate has premium polyester powder coat finish, utilizing a seven-stage pretreatment process of iron phosphate, a non-chromium sealer and a de-ionized water rinse to provide superior adhesion and corrosion resistance.

Optics
Blow-molded UV-stabilized polycarbonate diffuser with lineal ribs is standard for 4' fixtures. Injection-molded impact-resistant acrylic lens with lineal ribs is standard for 8' fixtures, and optional for 4' fixture. Optically clear deep acrylic lens (3.5" deep, available in 4' and 8')

also available for use with precision-formed specular aluminum reflectors. Stainless steel latches included with all fixtures. Optional specular aluminum reflector with 95% total reflectance also is available and is warranted for 25 years.

Electrical
Ballasts are electronic, energy-saving, thermally protected, Class P, HPF, non-PCB, Sound Rating A, UL/CSA certified where applicable and comply with Federal Ballast Law (Public Law 100-357, 1988). UL listed wire, rated for required temperatures, used throughout.

Lamps are secured with rotary locking lampholders for ease of re-lamping and

to minimize disconnection due to vibration or incidental contact. Factory-installed lamps are available in various CRI ratings, temperature colors and rated life.

Installation
Surface conduit entry provisions with watertight plugs are standard for this fixture series. Pair of stainless steel mounting brackets included. May also be suspended by aircraft cable, chain hangers or stems (not included).

Listings
Luminaire is bi-national listed (UL 1598 and CSA C22.2 No. 250.0-00) and is suitable for wet locations. IP65 and IP67 rated.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: FEM4 2 54T5HO S1X32 BMPCL MVOLT GEB10PS90 LP841

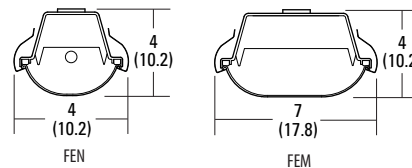
Series	Number of lamps ¹	Lamp type	Distribution/Reflector		Shielding	
FEN4 4" x 4'	1	28T5 28W T5 (46")	Distribution	Reflector	BMPCL	Polycarbonate, lineal-ribbed ⁴
FEM4 8" x 4'	2	32 32W T8 (48")	(blank) Flat ballast cover	(blank) White powder coat	IMACL	Acrylic, lineal-ribbed
FEM8 8" x 8'		54T5HO 54W T5HO (46")	F1 Focus (0.9>SC) ²	X20 Specular aluminum ³	IMACD	Acrylic, clear deep
			S1 Spread (1.4<1.8 SC) ²	X32 Specular aluminum, heavy gauge		

Voltage	Ballast configuration	Ballast	Lamp color	Options
MVOLT 120V - 277V, 60 Hz	(blank) All 1-lamp or 2-lamp ballasts	GEB10IS T8 electronic ballast, ≤10% THD, instant start, normal BF	(blank) No lamps	EL14DW Wet location battery pack (1400 lumens)
HVOLT 347V - 480V, 60 Hz	1/4 One 4-lamp ballast	GEB10ISH T8 electronic ballast, ≤10% THD, instant start, high BF	LP830 85 CRI, 3000K, std. life	
		GEB10ISL T8 electronic ballast, ≤10% THD, instant start, low BF	LP835 85 CRI, 3500K, std. life	
		GEB10PS T5 electronic ballast, ≤10% THD, programmed rapid start	LP841 85 CRI, 4100K, std. life	
		GEB10PS90 T5HO 90° electronic ballast, ≤10% THD, programmed rapid start	LP850 85 CRI, 5000K, std. life	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS					
SERIES	NUMBER OF LAMPS	LAMP TYPE	WIDTH	HEIGHT	LENGTH
FEN4	1	32, 28T5, 54T5HO	4 (10.2)	4 (10.2)	51-3/4 (131.4)
FEM4	1, 2	32, 28T5, 54T5HO	7 (17.8)	4 (10.2)	51-3/4 (131.4)
FEM8	1, 2	32, 28T5, 54T5HO	7 (17.8)	4 (10.2)	100 (254.0)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 See Configurations table for lamp compatibility.
- 2 Available with IMACD lens only.
- 3 Not available with flat ballast cover.
- 4 BMPCL lens option available in 4ft fixtures ONLY.

VDC
VDS



Intended Use

General illumination for rough service (vandal-resistant) applications. Designed for indoor and outdoor applications like corridors, walkways, pedestrian tunnels, canopies and drive-through areas. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Housing: Heavy-duty, 16-gauge cold-rolled steel, one-piece housing for corner-mounted (VDC) or surface-mounted (VDS) applications. Housing and reinforcing

members welded together for strength. Optional stainless steel or aluminum housings available.

Finish: All metal parts are post-painted in white polyester powder coat for smooth, finished edges and corrosion resistance.

Optics

Lens: Clear, internally frosted, UV-stabilized, injection-molded polycarbonate lens (.125" thick) standard. Smooth exterior for easy maintenance. Lens gasketed against moisture and contaminants and secured to housing with six stainless steel TORX® T-20 tamper-resistant screws (included).

Electrical

Ballast cover: Ballast and lampholders are secured to channel cover to provide easy installation and maintenance. Channel-cover safety chains included.

Ballast: Class P, HPF ballast is UL Listed. Ballast for 32W is standard GEB10IS with a 0°F starting temperature.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and damp locations (wet locations in covered-ceiling applications only).

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: VDC 2 32 MVOLT GEB10IS

Series	Number of lamps ¹	Lamp type	Lens	Voltage
VDC Corner-mount	1	32 32W T8 (48")	(blank) Clear polycarbonate	MVOLT
VDS Surface-mount	2	48HO 60W T12 800mA (48")	PCLW White polycarbonate	120
	Not included.	28T5 28W T5 (46")		277
		54T5HO 54W T5HO (46") ²		347

Ballast	Options ⁶
CW20 Cold-weather ballast, -20°F starting ^{3,4}	AL Aluminum housing, white
GEB10IS T8 electronic ballast, ≤10% THD, instant start	EL14DW Wet location battery pack (1400 lumens) ⁷
GEB10RS T8 electronic ballast, ≤10% THD, programmed rapid start	GLR Internal fast-blow fusing ⁵
GEB10PS T5 electronic ballast, ≤10% THD, programmed rapid start	RIF1 Radio interference filter, one per fixture
GEB10PS90 T5HO 90° electronic ballast, ≤10% THD, programmed rapid start	STS Stainless steel housing, natural
GEB T12 electronic ballast, ≤20% THD ⁵	STSW Stainless steel housing, white
	WL Wet location (covered-ceiling applications only)
	CSA Meets Canadian standards
	NOM Meets Mexican standards

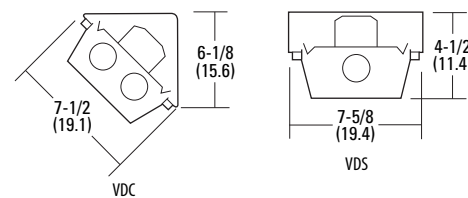
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS					
SERIES	NUMBER OF LAMPS	LAMP TYPE	WIDTH	DEPTH	LENGTH
VDC	1, 2	32, 48HO	7-1/2 (19.1)	6-1/8 (15.6)	50-1/8 (127.3)
VDC	2	28T5, 54T5HO	7-1/2 (19.1)	6-1/8 (15.6)	50-1/8 (127.3)
VDS	1, 2	32, 48HO	7-5/8 (19.4)	4-1/2 (11.4)	50-5/8 (128.6)
VDS	2	28T5, 54T5HO	7-5/8 (19.4)	4-1/2 (11.4)	50-5/8 (128.6)

ACCESSORIES	
ORDER SEPARATELY	
RK1 T20BIT	TORX® TX20 hex-base driver bit for tamper-resistant screws with center reject pin
RK1 T20DRV	TORX® TX20 screwdriver for tamper-resistant screws with center reject pin

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 See Configurations table for lamp compatibility.
- 2 Must be specified with GEB10PS90 ballast.
- 3 Not available with 48HO 347V.
- 4 Must be specified with 48HO for cold weather.
- 5 Must specify voltage.
- 6 For other options and accessories, see Accessories table and pages 148-149.
- 7 Luminaires ordered with DW option (Example: EL14DW) will bear UL Emergency Lighting Equipment label for damp or wet locations, depending on fixture.

PRODUCT INFORMATION

ROUGH SERVICE LINEAR FLUORESCENT

VW VWC



Intended Use
General illumination for rough service (vandal-resistant) applications. Designed for use in corridors, entryways, meeting rooms, classrooms, locker rooms and more. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
Housing: One-piece, 16-gauge cold-rolled steel housing is die-formed

and welded together with reinforcing members for strength. Aluminum and white stainless steel housings available (see Options).

Finish: All metal parts are post-painted in white polyester powder coat for smooth, finished edges and corrosion resistance.

Optics
Lens: UV-stabilized polycarbonate lens is extruded A12 prismatic pattern with internal linear side prisms, .130" thick polycarbonate (standard). Secured to housing with stainless steel

TORX® T-20 tamper-resistant screws (included).

Electrical
Ballast cover: Ballast and lampholders are secured to channel cover or to channel to provide easy installation and service.

Socket: Medium bi-pin, highly heat resistant, with internal locking collar for positive lamp retention and resistance to impact and vibration.

Ballast: Ballast for T8 lamps is electronic with 0°F starting temperature.

Installation
Entire back surface of housing mounts to ceiling or wall for added strength. Pendant tandem-mount and surface conduit accessibility.

Listings
UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and damp locations.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: VW 2 32 MVOLT GEB10IS

Series	Number of lamps ¹	Lamp type	Lens	Voltage ▶▶▶
VW 8-3/4" or 13-1/4" housing	1	17 17W T8 (24")	(blank) Polycarbonate, .130" thick	MVOLT
2VW 13-1/4" housing	2	32 32W T8 (48")	ACR High-impact acrylic, 50% DR	120
VWC 4-1/2" housing	3	54T5HO 54WT5HO (48")	PCL156 Polycarbonate, .156" thick	277
	4			347

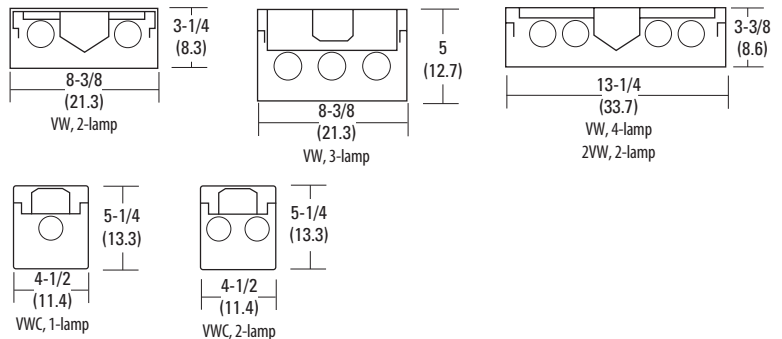
Ballast	Options ²
GEB10IS T8 electronic ballast, ≤10% THD, instant start	ELDW Wet location battery pack (300 lumens) ³
GEB10RS T8 electronic ballast, ≤10% THD, programmed rapid start	GLR Internal fast-blow fusing ⁴
GEB10PS90 T5HO 90° electronic ballast, ≤10% THD, programmed rapid start	RIF1 Radio interference filter, one per fixture
	STSW Stainless steel housing, white
	CSA Meets Canadian standards

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS					
SERIES	NUMBER OF LAMPS	LAMP TYPE	WIDTH	DEPTH	LENGTH
VW	2	32	8-3/8 (21.3)	3-1/4 (8.3)	49 (124.5)
VW	3	32	8-3/8 (21.3)	5 (12.7)	49 (124.5)
VW	4	32	13-1/4 (33.7)	3-3/8 (8.6)	49 (124.5)
2VW	2	32, 54T5HO	13-1/4 (33.7)	3-3/8 (8.6)	49 (124.5)
VWC	1, 2	17	4-1/2 (11.4)	5-1/4 (13.3)	25-3/8 (64.5)
VWC	1, 2	32	4-1/2 (11.4)	5-1/4 (13.3)	49-3/8 (125.4)

ACCESSORIES	
ORDER SEPARATELY	
RK1 T20BIT	TORX® TX20 hex-base driver bit for tamper-resistant screw with center reject pin
RK1 T20DRV	TORX® TX20 screwdriver for tamper-resistant screws with center reject pin

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See Configurations table for lamp compatibility.
- For other options and accessories, see Accessories table and pages 148-149.
- Luminaires ordered with ELDW option (Example: EL5DW) will bear the UL Emergency Lighting Equipment label for damp or wet locations, depending on the fixture.
- Must specify voltage.

LITHONIA SPECIAL APPLICATIONS

VRS



Intended Use

General illumination for rough service (vandal-resistant) applications. Ideal for areas where safety and security are a concern. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Housing: Clean design includes overlap mitered housing and door frame corners. Formed from cold-

rolled steel. Housing corners spot-welded for strength.

Door: Flush steel door frame secured by four stainless steel tamper-resistant TORX® T-20 with center pin screws, two per side.

Finish: Painted parts finished with high-gloss, baked white enamel.

Optics

Lens: Variety of shielding available including VL, durable .250" polycarbonate sheet laminated to .125" A12 pattern acrylic overlay.

Impact-resistant acrylic or prismatic polycarbonate also available.

Electrical

Ballast: Thermally protected, resetting, Class P, HPF, non-PCB, CSA Certified ballast is standard.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and damp locations.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: VRS 2 32 AR12 MVOLT GEB10IS

Series	Number of lamps ¹	Lamp type	Lens	Voltage	Ballast	Options ³
VRS 1' wide	1	17 17W T8 (24")	AR12 #12 pattern, high-impact acrylic, .140" thick	MVOLT	GEB10IS T8 electronic ballast, ≤10% THD, instant start	CSA Meets Canadian standards
2VRS 2' wide	2	U31 31W T8-U (24")	VL Polycarbonate lens laminated to #12 pattern acrylic overlay, .375" thick	120	GEB10RS T8 electronic ballast, ≤10% THD, programmed rapid start	
	3	U316 31W T8-U (6" leg) ²		277		
	4	32 32W T8 (48")		347		
	6					

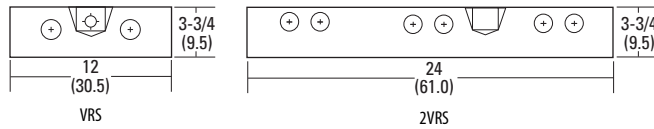
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS

NOMINAL SIZE	SERIES	NUMBER OF LAMPS	LAMP TYPE	WIDTH	DEPTH	LENGTH
1' x 4'	VRS	1, 2, 3	32	12 (30.5)	3-3/4 (9.5)	48 (121.9)
2' x 2'	2VRS	1, 2, 3	17, U31	24 (61.0)	3-3/4 (9.5)	24 (61.0)
2' x 2'	2VRS	1, 2	U316	24 (61.0)	3-3/4 (9.5)	24 (61.0)
2' x 4'	2VRS	2, 3, 4, 6	32	24 (61.0)	3-3/4 (9.5)	48 (121.9)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



ACCESSORIES

ORDER SEPARATELY

RK1 T20BIT	TORX® TX20 hex-base driver bit for tamper-resistant screws with center reject pin
RK1 T20DRV	TORX® TX20 screwdriver for tamper-resistant screws with center reject pin

Notes

- 1 See Configurations table for lamp compatibility.
- 2 Not available on three-lamp fixtures. Use U31.
- 3 For other options and accessories, see Accessories table and pages 148-149.

PRODUCT INFORMATION

VRT



Intended Use
General illumination for rough service (vandal-resistant) applications. Ideal for areas that require higher levels of protection from physical assault, while providing proper illumination for safety or security. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
Housing: Steel door frame features overlap mitered corners. Formed from cold-rolled steel and secured by stainless steel tamper-resistant TORX® T-20 screws, two per side standard (four included). Ceiling trims available to fit most recessed applications.

Finish: Painted parts finished with high-gloss, baked white enamel. Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance.

Optics
Lens: Variety of shielding available including VL, durable .250" polycarbonate sheet laminated to .125" A12 pattern acrylic overlay. Impact-resistant acrylic or prismatic polycarbonate also available.

Electrical
Ballast: Thermally protected, resetting, Class P, HPF, non-PCB, CSA Certified ballast is standard.

Listings
UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for 25°C ambient and damp locations.

For non-tamper-resistant, standard wet location fixture, see WRT fluorescent troffer on page 129.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

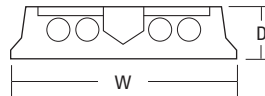
Example: 2VRT G 4 32 AR12 MVOLT 1/4 GEB10IS

Series	Trim ¹	Number of lamps ²	Lamp type	Diffuser	Voltage ▶▶▶	
VRT 1' wide	G Lay-in grid	1	17 17W T8 (24")	AR12 #12 pattern high-impact acrylic, .140" thick	MVOLT	
2VRT 2' wide	F Overlapping flange	2	U31 31W T8-U (24", 1-5/8" leg)	ARF12 #12 pattern high-impact acrylic with RF grid, .140"	120	
		3	U316 31W T8-U (24", 6" leg) ³	PCL12187 #12 pattern polycarbonate, .187"	277	
		4	32 32W T8 (48")	VL .250" clear polycarbonate lens laminated to A12 pattern acrylic overlay, .125" acrylic	347	
		6	CF40 40W T5 (24")			
		Not included.				
▶ Ballast configuration		Ballast		Options ⁴		
(blank)	Standard configuration	GEB10IS	T8 and CF electronic ballast, ≤10% THD, instant start	CSA	Meets Canadian standards	
1/3	One 3-lamp ballast	GEB10RS	T8 and CF electronic ballast, ≤10% THD, programmed rapid start	NOM	Meets Mexican standards	
1/4	One 4-lamp ballast					

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS					
NOMINAL SIZE	SERIES	NUMBER OF LAMPS	LAMP TYPE	DEPTH	WIDTH
1' x 4'	VRT	1, 2, 3	32	4-1/2 (11.4)	12 (30.5)
2' x 2'	2VRT	2	17, U31, U316, CF40	3-3/4 (9.5)	24 (61.0)
2' x 2'	2VRT	3	17, U31	3-3/4 (9.5)	24 (61.0)
2' x 2'	2VRT	4	17	3-3/4 (9.5)	24 (61.0)
2' x 4'	2VRT	2, 3, 4, 6	32	3-3/4 (9.5)	24 (61.0)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



ACCESSORIES	
ORDER SEPARATELY	
RK1 T20BIT	TORX® TX20 hex-base driver bit for tamper-resistant screws with center reject pin
RK1 T20DRV	TORX® TX20 screwdriver for tamper-resistant screws with center reject pin

Notes

- Consult factory for screw slot and ST trim.
- See Configurations table for lamp compatibility.
- Not available on 3-lamp fixtures.
- For other options and accessories, see Accessories table and pages 148-149.

Intended Use

Ideal for showers, locker rooms, recreational facilities and other applications calling for a wet location listing.

Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.

Construction

Code-gauge steel housing. All metal parts are finished with electrostatically deposited,

thermally set polyester powder paint after fabrication.

Closed-cell neoprene gasketing between the lens, door frame, housing and mounting surface.

Extruded aluminum door frame features mitered corners.

Installation

General illumination for indoor and outdoor, covered-ceiling locations.

Available for grid or flange ceiling types.

Listings

UL Listed (standard) and CSA Certified (standard; except for 347V – see Options). NOM Certified (see Options). UL Listed for 25°C ambient and wet locations for covered-ceiling applications.

WRT



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: 2WRT G 2 32 A12125 MVOLT GEB10IS

Series	Trim	Number of lamps ¹	Lamp type	Door
WRT Recessed wet location troffer, 1' wide	G Lay-in grid trim	1	17 17W T8 (24")	(blank) Flush aluminum, white
2WRT Recessed wet location troffer, 2' wide	F Overlapping flanged trim	2	32 32W T8 (48")	FN Flush aluminum, natural
		3	U31 31W T8-U (24", 1-5/8" leg)	FM Flush aluminum, matte black ²
		4	U316 31W T8-U (24", 6" leg)	
		6	28T5 28W T5 (46")	
		Not included.		

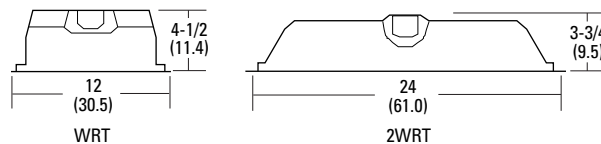
Diffuser ³	Voltage	Ballast configuration	Ballast	Options ⁴
A12125 #12 pattern acrylic, .125" thick	MVOLT	(blank) Standard configuration	GEB10IS T8 electronic ballast, ≤10% THD, instant start	CSA Meets Canadian standards (347V only)
A15 #15 pattern acrylic, .2" thick	120	1/3 One 3-lamp ballast	GEB10RS T8 electronic ballast, ≤10% THD, programmed rapid start	NOM Meets Mexican standards
A19 #19 pattern acrylic, .156" thick	277	1/4 One 4-lamp ballast	GEB10PS T5 electronic ballast, ≤10% THD, programmed rapid start	
	347			

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS				
NOMINAL SIZE	SERIES	NUMBER OF LAMPS	LAMP TYPE	DEPTH
1' x 4'	WRT	1, 2, 3	32	4-1/2 (11.4)
1' x 4'	WRT	1, 2	28T5	4-1/2 (11.4)
2' x 2'	2WRT	2	17, U31	3-3/4 (9.5)
2' x 2'	2WRT	2	U316	3-3/4 (9.5)
2' x 2'	2WRT	3	17, U31	3-3/4 (9.5)
2' x 2'	2WRT	4	17	3-3/4 (9.5)
2' x 4'	2WRT	2, 3, 4, 6	32	3-3/4 (9.5)
2' x 4'	2WRT	2, 3, 4	28T5	3-3/4 (9.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 See Configurations table for lamp compatibility.
- 2 Not available with 4-lamp fixture.
- 3 Add suffix V for internal prisms. Example: A12125V.
- 4 For other options, see pages 148-149.

SRT



Intended Use
Suitable for use in contamination-controlled environments ISO7 (Class 10,000) and ISO8 (Class 100,000) applications.
Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.

Construction
Code-gauge steel housing is completely sealed with silicone caulk. Aluminum

mitered-corner door frame features sealed cam latches and neoprene gasketing between door and housing.

Metal parts are finished after fabrication with electrostatically deposited, thermally set polyester paint.

Installation
Meets requirements for hosedowns up to 100 psi (see Options).

Suitable for use in 1", 1-1/2" and 2" wide T-bars, or with overlapping flange and

swing-out hangers for use in dry or plaster ceilings.

Listings
UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for 25°C ambient and wet locations, for covered-ceiling applications.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: 2SRT G 3 32 FW A12125V MVOLT 1/3 GEB10IS

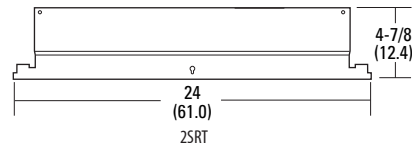
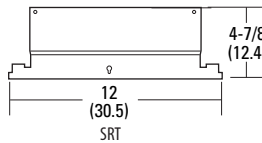
Series	Trim	Number of lamps ²	Lamp type	Door	Diffuser ⁴	Voltage	Ballast configuration			
SRT	1' wide	G	Grid, 1" to 1-1/2" wide tee	1	17	17W T8 (24")	FW Aluminum inset, white	A12125V #12 pattern acrylic, .125" thick, inverted	MVOLT	(blank) Standard configuration
2SRT	2' wide	G20	Grid, 2" wide tee ¹	2	28T5	28W T5 (46")	FN Aluminum inset, natural	PCL12125V #12 pattern polycarbonate, .125" thick, inverted	120	1/3 One 3-lamp ballast
		F	Overlapping flange	3	U31	31W T8-U (24", 1-5/8" leg)		SYA PSI symmetric/asymmetric acrylic	277	1/4 One 4-lamp ballast
				4	U316	31W T8-U (24", 6" leg)		SYAR PSI symmetric/asymmetric acrylic with radio filter grid ⁵	347	1/41/2 One 4-lamp ballast and 2-lamp ballast
				6	32	32W T8 (48")				1/41/2 One 4-lamp ballast and 2-lamp ballast
				Not included.		CF40	40W T5 (24")			2/3 Two 3-lamp ballasts
					54T5HO	54W T5 (46") ³				

Ballast	Options ⁶	CSA	NOM	AL
GEB10IS T8 and CF electronic ballast, ≤10% THD, instant start	ABC Triple neoprene gasketing (frame, lens and housing)	Meets Canadian standards		
GEB10RS T8 and CF electronic ballast, ≤10% THD, programmed rapid start	FPA Suitable for food-processing areas; meets USDA and FDA requirements ⁷	Meets Mexican standards		
GEB10PS T5 electronic ballast, ≤10% THD, programmed rapid start	LG Additional lens gasketing, neoprene	Painted aluminum housing, white		
GEB10PS90 T5HO 90° electronic ballast, ≤10% THD, programmed rapid start	LPD Suitable for low-pressure hosedown, up to 100 psi ⁸			

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS				
NOMINAL SIZE	SERIES	NUMBER OF LAMPS	LAMP TYPE	DEPTH ⁹
1' x 2'	SRT	1, 2, 3	17	4-7/8 (12.4)
1' x 2'	SRT	2	U31	4-7/8 (12.4)
1' x 2'	SRT	2	CF40	4-7/8 (12.4)
1' x 4'	SRT	1, 2, 3	32	4-7/8 (12.4)
1' x 4'	SRT	1, 2, 3	28T5, 54T5HO	4-7/8 (12.4)
2' x 2'	2SRT	2, 3, 4, 6	17	4-7/8 (12.4)
2' x 2'	2SRT	2, 3	U31, U316	4-7/8 (12.4)
2' x 2'	2SRT	2, 3, 4	CF40	4-7/8 (12.4)
2' x 4'	2SRT	2, 3, 4, 6	32	4-7/8 (12.4)
2' x 4'	2SRT	2, 3, 4	28T5, 54T5HO	4-7/8 (12.4)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Not available for 1x2 and 1x4.
- See Configurations table for lamp compatibility.
- Must be specified with GEB10PS90 ballast.
- Only pattern #12 shielding will ship inverted standard and is indicated by a V. Example: A12125V.
- Not available with lens gasketing.
- For other options, see pages 148-149.
- Must specify LPD and additional gasketing (i.e. LG).
- Requires minimum .125" thick lens and gasketing.
- Flanged fixture height is 5-3/4" (14.6).

PRODUCT INFORMATION

Intended Use

Suitable for use in contamination-controlled environments ISO5 (Class 100) and ISO6 (Class 1,000) applications, such as electronic assembly, pharmaceutical processing, semiconductor manufacturing, chemical labs, food-processing areas and the medical industry. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Completely sealed, one-piece housing is fabricated from 20-gauge cold-rolled steel. Seams sealed with silicone caulk.

Full door frame is one-piece, 18-gauge CRS featuring triple closed-cell, cross-linked neoprene gasketing between the door, lens and housing.

Optional four-piece inset door also available for grid mounted fixtures.

Full 2'x4' door frame secured to housing by 10 stainless

steel captive screws, inset door features four screws.

Optional stainless steel and aluminum housings and door frames available.

Metal parts finished with electrostatically deposited, thermally set polyester powder paint after fabrication.

Installation

Meets requirements for hosedowns up to 200 psi (see options).

Suitable for use in 1", 1-1/2" and 2" wide T-grids, or with

overlapping flange and swing-out hangers for use in dry or plaster ceilings. Consult factory for other grid types.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for 25°C ambient and wet locations for covered-ceiling applications.

SRH



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: 2SRH G 4 32 FSF A12156V MVOLT GEB10IS

Series	Trim	Number of lamps ²	Lamp type	Door	Diffuser ⁵
SRH 1' wide	G Grid, 1" to 1-1/2" wide tees	1	17 17W T8 (24")	FSF Steel full, white	A12125V #12 pattern acrylic, .125" thick, inverted
2SRH 2' wide For CF lamps in tandem, add prefix T. Example T2SRH	F Overlapping flanged G20 Grid, 2" wide tee ¹	2	28T5 28W T5 (46")	FSSF Stainless full, natural	A12156V #12 pattern acrylic, .156" thick, inverted
		3	U31 31W T8-U (24", 1-5/8" leg)	FSSFW Stainless full, white	PCL12125V #12 pattern polycarbonate, .125" thick, inverted
		4	U316 31W T8-U (24", 6" leg)	FWF Aluminum full, white	SYA PSI symmetric/asymmetric acrylic
		6	32 32W T8 (48")	FW Aluminum inset, white ⁴	SYAR PSI symmetric/asymmetric acrylic with radio filter grid
		Not included.	CF40 40W T5 (24")	FN Aluminum inset, natural ⁴	
			54T5HO 54W T5HO (46") ³	FSS Stainless inset, natural ⁴	
				FSSW Stainless inset, white ⁴	

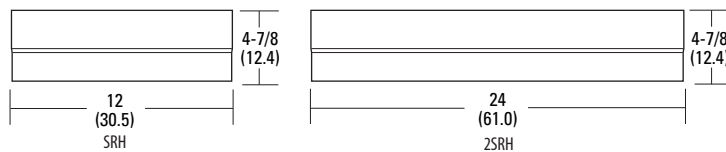
Voltage	Ballast configuration	Ballast	Options ⁶
MVOLT	(blank) Standard configuration	GEB10IS T8 and CF electronic ballast, ≤10% THD, instant start	AL Painted aluminum housing, white
120	1/3 One 3-lamp ballast	GEB10RS T8 and CF electronic ballast, ≤10% THD, programmed rapid start	FPA Suitable for food-processing areas; meets USDA, FDA requirements ⁷
277	1/4 One 4-lamp ballast	GEB10PS T5 electronic ballast, ≤10% THD, programmed rapid start	HPD Suitable for high pressure hose-down up to 200 psi ⁷
347	1/41/2 One 4-lamp ballast and 2-lamp ballast	GEB10PS90 T5HO 90° electronic ballast, ≤10% THD, programmed rapid start	STSW Stainless steel housing, white
	2/3 Two 3-lamp ballasts		CSA Meets Canadian standards
			NOM Meets Mexican standards

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS				
NOMINAL SIZE	SERIES	NUMBER OF LAMPS	LAMP TYPE	DEPTH ⁸
1' x 2'	SRH	1, 2, 3	17	4-7/8 (12.4)
1' x 2'	SRH	2	U31	4-7/8 (12.4)
1' x 2'	SRH	2	CF40	4-7/8 (12.4)
1' x 4'	SRH	1, 2, 3	32	4-7/8 (12.4)
1' x 4'	SRT	1, 2, 3	28T5, 54T5HO	4-7/8 (12.4)
2' x 2'	2SRH	2, 3, 4, 6	17	4-7/8 (12.4)
2' x 2'	2SRH	2, 3	U31, U316	4-7/8 (12.4)
2' x 2'	2SRH	2, 3	CF40	4-7/8 (12.4)
2' x 4'	2SRH	2, 3, 4, 6	32	4-7/8 (12.4)
2' x 4'	2SRH	2, 3, 4	28T5, 54T5HO	4-7/8 (12.4)
2' x 4'	T2SRH	2, 3, 4	CF40	4-7/8 (12.4)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Not available for 1x2 and 1x4.
- See Configurations table for lamp compatibility.
- Must be specified with GEB10PS90 ballast.
- For use with grid-mounted fixtures only.
- Only pattern #12 shielding will ship inverted standard and is indicated by a V. Example: A12125V.
- For other options, see pages 148-149.
- Must specify lens thickness of at least .156" and HPD.
- Flanged fixture depth is 5" (12.7).

SSH



Intended Use
Suitable for use in contamination-controlled environments ISO5 (Class 100) and ISO6 (Class 1,000) applications, such as electronic assembly, pharmaceutical processing, semiconductor manufacturing, chemical labs, food-processing areas and the medical industry. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic**

Environmental Compatibility tables on pages 794-795 for suitable uses.
Construction
Surface models feature seam-welded housing. Completely sealed, one-piece housing is fabricated from 20-gauge cold-rolled steel.
Full door frame is one-piece, 18-gauge CRS featuring triple closed-cell, cross-linked neoprene gasketing between the door, lens and housing.

Optional four-piece inset door also available.
Full 2'x4' door frame secured to housing by 10 stainless steel captive screws, while inset door features four screws.
Optional stainless steel and aluminum housings and door frames available.
Metal parts finished with electrostatically deposited, thermally set polyester powder paint after fabrication.

Installation
Meets requirements for hose-downs up to 200 psi (see Options).
Listings
UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for 25°C ambient and wet locations, covered-ceiling installations. Optional FDA, food-processing option available.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

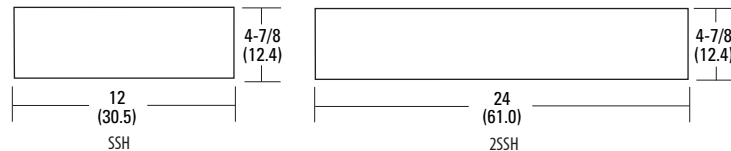
Example: 2SSH 3 32 FW A12125V MVOLT 1/3 GEB10IS

Series	Number of lamps ¹	Lamp type	Door	Diffuser ³	Voltage >>>
SSH 1' wide	1	17 17W T8 (24")	FSF Steel full, white	A12125V #12 pattern acrylic, .125" thick, inverted	MVOLT
2SSH 2' wide	2	28T5 28W T5 (46")	FSSF Stainless full, natural	A12156V #12 pattern acrylic, .156" thick, inverted	120
	3	U31 31W T8-U (24", 1-5/8" leg)	FSSFW Stainless full, white	PCL12125V #12 pattern polycarbonate, .125" thick, inverted	277
	4	U316 31W T8-U (24", 6" leg)	FWF Aluminum full, white	SYA PSI symmetric/asymmetric acrylic	347
	6	32 32W T8 (48")	FW Aluminum inset, white	SYAR PSI symmetric/asymmetric acrylic with radio filter grid	
	Not included.	CF40 40W T5 (24") 54T5HO 54W T5 (46") ²	FN Aluminum inset, natural FSS Stainless inset, natural FSSW Stainless inset, white		
Ballast configuration		Ballast	Options ⁴		
(blank)	Standard configuration	GEB10IS T8 and CF electronic ballast, ≤10% THD, instant start	AL Painted aluminum housing, white	STS Stainless steel housing, natural	
1/3	One 3-lamp ballast	GEB10RS T8 and CF electronic ballast, ≤10% THD, programmed rapid start	FPA Suitable for food-processing areas; meets USDA, FDA requirements ^{5,6}	STSW Stainless steel housing, white	
1/4	One 4-lamp ballast	GEB10PS T5 electronic ballast, ≤10% THD, programmed rapid start	HPD Suitable for high-pressure hose-down up to 200 psi ⁵	CSA Meets Canadian standards	
1/41/2	One 4-lamp ballast and 2-lamp ballast	GEB10PS90 T5HO 90° electronic ballast, ≤10% THD, programmed rapid start	GLR Internal fast-blow fusing	NOM Meets Mexican standards	
2/3	Two 3-lamp ballasts		GMF Internal slow-blow fusing		

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS				
NOMINAL SIZE	SERIES	NUMBER OF LAMPS	LAMP TYPE	DEPTH
1' x 2'	SSH	1, 2, 3	17	4-7/8 (12.4)
1' x 2'	SSH	2	U31	4-7/8 (12.4)
1' x 2'	SSH	2	CF40	4-7/8 (12.4)
1' x 4'	SSH	1, 2, 3	32	4-7/8 (12.4)
1' x 4'	SSH	1, 2, 3	28T5, 54T5HO	4-7/8 (12.4)
2' x 2'	2SSH	2, 3, 4, 6	17	4-7/8 (12.4)
2' x 2'	2SSH	2, 3	U31, U316	4-7/8 (12.4)
2' x 2'	2SSH	2, 3	CF40	4-7/8 (12.4)
2' x 4'	2SSH	2, 3, 4	32	4-7/8 (12.4)
2' x 4'	2SSH	2, 3, 4	2855, 54T5HO	4-7/8 (12.4)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See Configurations table for lamp compatibility.
- Must be specified with GEB10PS90 ballast.
- Only pattern #12 shielding will ship inverted standard and is indicated by a V. Example: A12125V.
- For other options, see pages 148-149.
- Must specify lens thickness of at least .156".
- Must specify HPD.

STP



Intended Use

Suitable for use in ISO4 (Class 10) and ISO5 (Class 100) clean-room applications. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Die-formed 20-gauge cold-rolled steel or extruded aluminum channel. Stainless steel or formed aluminum

housings available. Finish (standard) - white polyester powder paint; other finishes available (see Options).

End caps not included; order as an accessory.

Optics

Diffuser is one-piece, extruded, white acrylic with internal linear prisms for optimum light control. Smooth external surface for undisturbed airflow. Clear available.

Installation

For surface mounting to 2" T-bar. Suitable for individual or row mounting.

Listings

UL Listed to US and Canadian safety standards. See Options for 347V. Tested in compliance with the International Organization for Standardization (ISO) Worldwide Contamination Classification. 25°C ambient temperature and dry location.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: STP 1 32 MVOLT GEB10IS

Series	Number of lamps	Lamp type	Diffuser	Voltage	Ballast	Options
STP 48" long	1	32 32W T8 (48")	(blank) White acrylic	MVOLT	GEB10IS T8 electronic ballast, ≤10% THD, instant start	GLR Internal fast-blow fuse
TSTP 96" long ¹	Not included.		ACR Clear acrylic	120		GMF Internal slow-blow fuse
				277		RIF Radio interference filter (one per fixture)
				347		STSW Stainless steel housing, white
						AL Aluminum housing, white
						CSA Meets Canadian standards (347V only)

ADDITIONAL INFORMATION

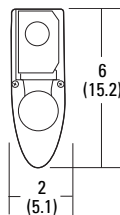
For additional product information, visit www.lithonia.com.

ACCESSORIES

ORDER SEPARATELY

STPEP	Pair of cold-rolled steel end caps, white
STPEP AL	Pair of aluminum end caps, white
STPEP STSW	Pair of stainless steel end caps, white

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

¹ Two lamps (in-tandem) per fixture.

PRODUCT INFORMATION

FDK

**Intended Use**

Ideal for use in warehouse staging and loading areas. Downward lamp(s) provide general illumination in the staging area while side-mounted lamp(s) project light into trailers for loading. Rugged fixture design is enhanced with heavy-gauge wireguard to provide extra protection against damage. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Channel, ends and socket brackets are manufactured from 22-gauge cold-rolled steel. Riveted and screwed assembly. Tool-less ballast and wiring access.

Standard high-gloss white baked enamel, pre-treated with a five-stage iron phosphate system. Optional premium polyester powder coat finish, utilizing a seven-stage pretreatment process of iron phosphate, a non-chromium sealer and a de-ionized water rinse to provide superior adhesion and corrosion resistance.

Optics

Reflectors are precision-formed, high-performance, 95% total reflectance, segmented optics utilizing premium specular aluminum warranted for 25 years.

Electrical

Ballasts are electronic, energy-saving, thermally protected, Class P, HPF, non-PCB, Sound Rating A, UL/CSA certified where applicable and comply with Federal Ballast Law (Public Law 100-357, 1988). UL listed wire, rated for required temperatures, used throughout.

Lamps are secured with rotary locking lampholders for ease of re-lamping and to minimize disconnection due to vibration or incidental contact. Factory-installed lamps are available in various CRI ratings, temperature colors and rated life.

Installation

May be suspended with aircraft cable or chain hangers.

Listings

Luminaire is bi-national listed (UL 1598 and CSA C22.2 No. 250.0-00) and is suitable for damp locations.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: FDK4 3 32 F1X32 MVOLT 1/3 GEB10ISH PAF WG

Series	Number of lamps	Lamp type	Distribution/reflector		Voltage	Ballast configuration
FDK4 4' fixture	2 2-lamp profile	32 32W T8	Distribution	Reflector	MVOLT	(blank) All 2-lamp ballasts
FDK8 8' fixture	3 3-lamp profile		F1 Focus (0.9>>SC)	X32 Specular aluminum		1/3 One 3-lamp ballast
						1/4 One 4-lamp ballast
						1/41/2 One 4-lamp & one 2-lamp ballast
						2/3 Two 3-lamp ballasts
Ballast		Lamp color		Options		
GEB10IS	T8 electronic ballast, ≤10% THD, instant start, normal BF	(blank) No lamps		TILW Tandem inline wiring ¹		
GEB10ISH	T8 electronic ballast, ≤10% THD, instant start, high BF	LP830	85 CRI, 3000K, std. life	PAF Powder coat after fabrication		
GEB10ISL	T8 electronic ballast, ≤10% THD, instant start, low BF	LP835	85 CRI, 3500K, std. life	WG Wireguard, 11 gauge		
		LP841	85 CRI, 4100K, std. life			
		LP850	85 CRI, 5000K, std. life			

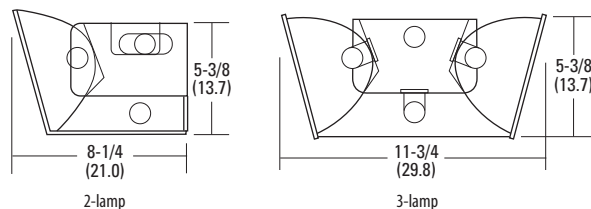
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS

SERIES	NUMBER OF LAMPS	WIDTH	HEIGHT	LENGTH
FDK4	2	8-1/4 (21.0)	5-3/8 (13.5)	48 (121.9)
FDK4	3	11-3/4 (29.8)	5-3/8 (13.5)	48 (121.9)
FDK8	2	8-1/4 (21.0)	5-3/8 (13.5)	96 (243.8)
FDK8	3	11-3/4 (29.8)	5-3/8 (13.5)	96 (243.8)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

¹ Requires multiple ballasts.

PRODUCT INFORMATION

Intended Use

Ideal for illuminating the interior of tractor trailers during initial inspection, loading or unloading. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Arms and struts constructed of heavy-duty 1-1/2" cross-section, 14-gauge square steel tubing. Reinforcement mounting brackets provide maximum support of arm and head for long service

without sagging or bending. Hinged ends reinforced internally with aluminum inserts. Corrosion-resistant hardware. Nuts are locking and exposed threads are plastic capped. Arm and strut ends feature injection-molded end caps.

Finish: Safety-yellow polyester powder paint is standard on arm, strut and metal lamp head. Polycarbonate lamp heads colored safety yellow.

Optics

Lamp head for 150W incandescent is polycarbonate, and metal for 300W

incandescent. Both include metal wireguard standard. Polycarbonate 50W high pressure sodium lamp head with reflective coating, integral ballast and flush polycarbonate guard. Optional SED acrylic lens suitable for use in food service dock areas.

Electrical

120V only. Provided with three-prong plug and 8' cord. Lamp head includes on/off switch and porcelain medium-base socket with copper alloy screw shell and center contact. Electrical cord lengths secured via grommets. High pressure sodium

models feature reactor type ballasts.

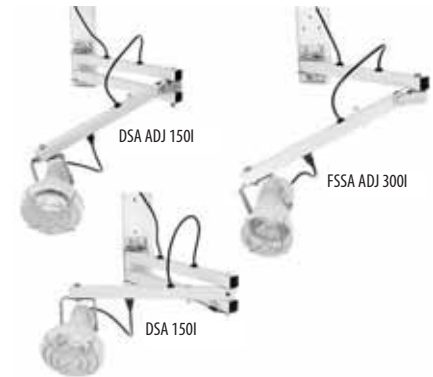
Installation

Arm and strut-mounting bracket included. Arm assembly attaches to wall mounting bracket with single bolt. Lamp head attaches with a single bolt to arm and is powered by a NEMA plug and receptacle assembly in arm. Heavy-duty wall bracket (HDWB) recommended for fan/light combinations.

Listings

Listings: UL Listed to U.S. and Canadian safety standards.

DSA FSSA



ORDERING INFORMATION

Lead time will vary depending on options selected. Consult with your sales representative.

Example: DSA40 ADJ 50S LPI

Series/Length ¹	Arms	Lamp type	Options
Series	Length¹	ADJ Adjustable knuckle joint ²	
DSA Double-strut arm	24	150I 150W incandescent polycarbonate lamp head with wireguard; PAR30 or PAR40 only	SED Special environment diffuser (acrylic lens) ⁴
FSSA Folding single-strut arm	40	300I 300W incandescent metal lamp head with wireguard; PAR38 only	FAN Three-speed fan ⁵
	60	50S 50W high pressure sodium polycarbonate lamp head with polycarbonate guard ³	LPI Lamp included ⁶
	90		
	114		

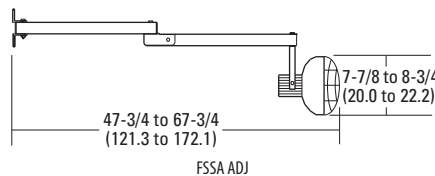
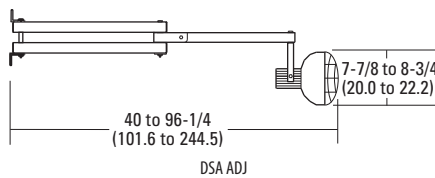
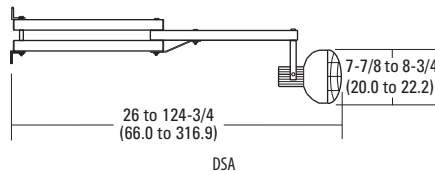
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	NOMINAL LENGTH	ARM LENGTH
DSA	24 (61.0)	22-1/4 (56.5)
DSA	40 (101.6)	41-3/4 (106.0)
DSA	60 (152.4)	62-1/4 (158.1)
DSA	90 (228.6)	91-1/2 (232.4)
DSA	114 (289.6)	124-3/4 (316.9)
FSSA	40 (101.6)	44 (111.8)
FSSA	60 (152.4)	64 (162.6)

ACCESSORIES	
ORDER SEPARATELY	
DLMAG KIT	Portable magnetic mounting kit for lamp heads, includes magnet, 6' cord adaptor and hardware
FAN	Three-speed fan ⁴
HDWB	Heavy-duty wall bracket
MLH	300W incandescent metal lamp head with wireguard
PLHI	150W incandescent polycarbonate lamp head with wireguard
PLHS	50W high pressure sodium polycarbonate lamp head with polycarbonate guard ²
MLHWG6	Replacement wireguard for 300W incandescent metal lamp head
PLHWG8	Replacement wireguard for 150W incandescent polycarbonate lamp head
PLHPG	Replacement polycarbonate guard for 50W high pressure sodium polycarbonate lamp head
SED	Special environment diffuser (acrylic lens) ³

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



150W Incandescent



300W Incandescent

Notes

- 1 See Configurations table for length compatibility.
- 2 Required for FSSA. Optional for DSA. Not available with DSA24, DSA114. Not available with FAN.
- 3 Vacuum metalized polycarbonate lamp head. 90" maximum length.
- 4 Available for 50S only.
- 5 Heavy-duty wall bracket (HDWB) recommended. For fan and DSA arm without lamp head, leave "Lamp type" field blank.
- 6 Standard in 50S models. Not available for incandescent.

PRODUCT INFORMATION

VGR

Gateway,[®] Steel Backplate



Intended Use
Architectural luminaires for general illumination in rough service (vandal-resistant) wall or ceiling-mount applications. Ideal for interior or exterior applications where safety and security are a concern. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
Bezel: One-piece, die-cast aluminum, low-copper alloy (<1% copper), .125" thick. Secured to backplate with

stainless steel TORX[®] T10 set screws (two included).

Finish: Standard finish is textured polyester powder coat. Color must be specified.

Backplate: Gasketed, 16-gauge steel, post-painted in black polyester powder coat. Universal keyhole and four-point mounting detail for mounting over junction box.

Gasket: Polycarbonate: Perimeter lens gasket is one-piece silicone "O" ring. Glass: Perimeter lens gasket is closed-cell silicone. Pad mounting gasket (closed-cell neoprene) seals backplate to mounting surface.

Optics
Lens: Translucent white, injection-molded, UV-stabilized polycarbonate, .125" thick. Smooth exterior for easy cleaning. Interior pattern diffuses light for uniform surface illumination. Optional starburst pattern polycarbonate and borosilicate glass lens available (.250" thick).

Reflectors: High-gloss white powder coat finish for maximum light output. Lamps positioned for uniform brightness and illumination.

Electrical
Ballast: Class P, electronic, HPF multi-volt, <10% THD

with starting temperature of 0°F. 13TT is electromagnetic, NPF, 120V only.

Socket: High-temperature thermoplastic with lamp retention clip.

Lamps: 35K four-pin lamp(s) included unless L/LP is specified.

Listings
UL Listed to US and Canadian safety standards (see Options). NOM Certified (see Options). UL Listed for 25°C ambient and wet locations. IP65 rated.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: VGR1 42TRT GL MVOLT DWHG TRS LPI

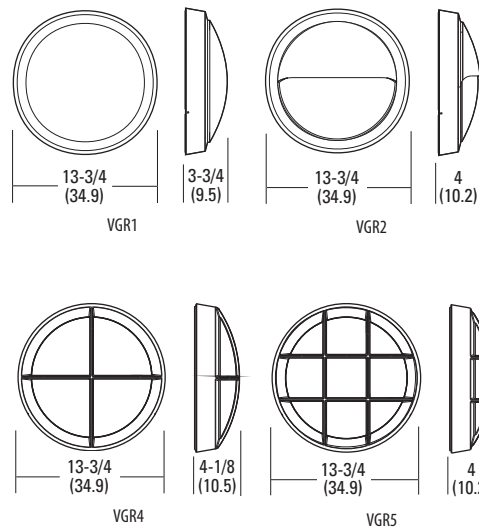
Series	Lamp type	Lens		Voltage	Ballast configuration
Low profile (ADA)	Twin-tube ²	2/13DTT	Triple-tube	120	(blank) Standard configuration
VGR1 3.7" deep	13TT	18DTT	26TRT	277	2/1 Two 1-lamp ballasts
VGR2 4" deep	2/13TT	2/18DTT	2/26TRT	347	
VGR4 4.1" deep ³	Double twin-tube	26DTT	32TRT	MVOLT⁷	
VGR5 4" deep	13DTT	2/26DTT	42TRT		

Ballast	Finish ⁴	Options ⁵	Lamped ¹¹
(blank) Standard ballast	Standard textured colors	DS Dual switching, two ballasts	LPI Lamp(s) included (std.)
ADCF ADVANCE [®] electronic fluorescent ballast	DWHG White	GLR Internal fast-blow fusing ⁶	L/LP Less lamp(s)
MOTCF OSRAM [®] SYLVANIA [™] electronic fluorescent ballast	DBLB Black	GMF Internal slow-blow fusing ⁶	
TUBCF Universal [™] Lighting Technologies electronic fluorescent ballast	DDBT Dark bronze	NLCF Night-light (compact fluorescent 9W max) ^{2,7,8,9}	
	DNAT Natural aluminum	TRS Tamper-resistant screws ¹⁰	
	DSST Sandstone	CSA Meets Canadian standards	
		NOM Meets Mexican standards	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

ACCESSORIES	
ORDER SEPARATELY	
RK1 T10DRV	TORX [®] T10 screwdriver for Gateway [®] set screws
RK1 T20BIT	TORX [®] T20 hex-base driver bit for TRS option
RK1 T20DRV	TORX [®] T20 screwdriver for TRS option

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Not ADA compliant.
- 120V only.
- Multi-volt electronic ballast (for DTT and TRT lamps), capable of operating on any line voltage between 120V and 277V.
- For additional colors, see pages 796-799 or see Architectural Colors brochure on www.lithonia.com.
- For other options and accessories, see Accessories table and pages 148-149.
- Must specify voltage. Not available with MVOLT.
- Available for single-lamp units only.
- Maximum wattage lamp included.
- Cannot be field installed.
- Stainless steel TORX[®] T20 screws with center reject pin.
- Lamp(s) included unless L/LP is specified.

Intended Use

Architectural luminaires for general illumination in rough service (vandal-resistant) wall or ceiling-mount applications. Ideal for interior or exterior applications where safety and security are a concern. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Bezel: One-piece, die-cast aluminum, low-copper alloy (<1% copper), .125" thick.

Secured to backplate with stainless steel TORX® T10 set screws (two included).

Finish: Standard finish is textured polyester powder coat. Color must be specified.

Backplate: 16-gauge steel, post-painted in black polyester powder coat. Four-point mounting detail for mounting over junction box.

Gasket: Polycarbonate: Perimeter lens gasket is one-piece silicone "O" ring. Glass: Perimeter lens gasket is closed-cell silicone. Pad mounting gasket (closed-cell neoprene) seals backplate to

mounting surface.

Optics

Lens: Translucent white, injection-molded, UV-stabilized polycarbonate, .125" thick. Smooth exterior for easy cleaning. Interior pattern diffuses light for uniform surface illumination. Optional borosilicate glass lens available (.250" thick).

Reflectors: High-gloss white powder coat finish for maximum light output. Lamp positioned for uniform brightness and illumination.

Electrical

Ballast: Class P, electronic, HPF multi-volt, <10% THD

with starting temperature of 0°F. 13TT is electromagnetic, NPE, 120V only.

Socket: High-temperature thermoplastic with lamp retention clip.

Lamp: 35K four-pin lamp included unless L/LP is specified.

Listings

UL Listed to US and Canadian safety standards (see Options). NOM Certified (see Options). UL Listed for 25°C ambient and wet locations. IP65 rated.

VGO

Gateway®, Steel Backplate



ADA

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: VG01 26DTT MVOLT DWHG LPI

Series	Lamp type	Lens	Voltage	Ballast	Finish ⁴	Options ⁵	Lamped ⁶
Low profile (ADA)	Twin-tube ²	(blank) Polycarbonate	120	(blank) Standard ballast	Standard textured colors	GLR Internal fast-blow fusing ⁶	LPI Lamp(s) included (std.)
VG01 3.7" deep	13TT	GL Borosilicate glass	277	ADCF ADVANCE® electronic fluorescent ballast	DWHG White	GMF Internal slow-blow fusing ⁶	L/LP Less lamp(s)
VG02 4" deep	Double twin-tube		347	MOTCF OSRAM® SYLVANIA™ electronic fluorescent ballast	DBLB Black	TRS Tamper-resistant screws ⁷	
VG03 4" deep	13DTT		MVOLT³	TUBCF Universal™ Lighting Technologies electronic fluorescent ballast	DDBT Dark bronze	CSA Meets Canadian standards	
VG04 4.1" deep ¹	18DTT				DNAT Natural aluminum	NOM Meets Mexican standards	
VG05 4" deep	26DTT				DSST Sandstone		
	Triple-tube						
	26TRT						
	32TRT						

ADDITIONAL INFORMATION

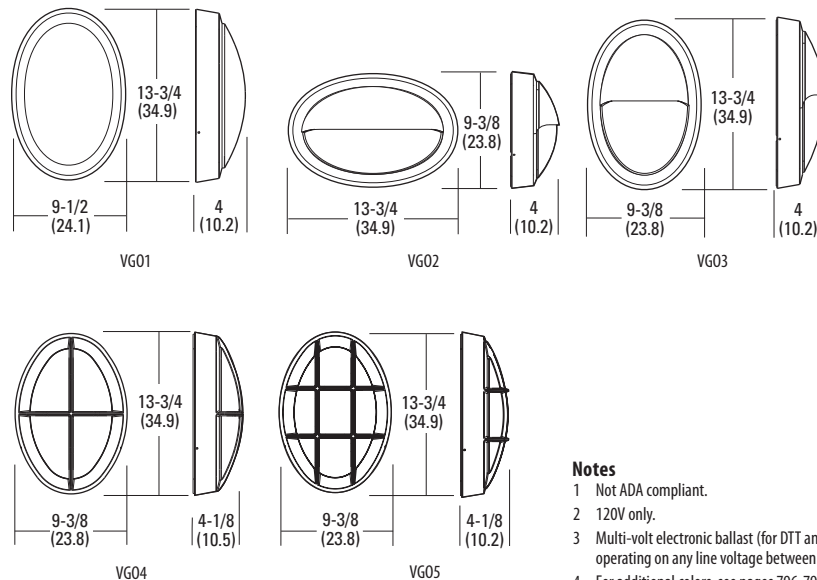
For additional product information, visit www.lithonia.com.

ACCESSORIES

ORDER SEPARATELY

RK1 T10DRV	TORX® T10 screwdriver for Gateway® set screws
RK1 T20BIT	TORX® T20 hex-base driver bit for TRS option
RK1 T20DRV	TORX® T20 screwdriver for TRS option

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Not ADA compliant.
- 2 120V only.
- 3 Multi-volt electronic ballast (for DTT and TRT lamps) capable of operating on any line voltage between 120V and 277V.
- 4 For additional colors, see pages 796-799 or see Architectural Colors brochure on www.lithonia.com.
- 5 For other options and accessories, see Accessories table and pages 148-149.
- 6 Must specify voltage. Not available with MVOLT.
- 7 Stainless steel TORX® T20 screws with center reject pin.
- 8 Lamp included unless L/LP is specified.

PRODUCT INFORMATION

VGR

Gateway,[®] Cast Housing



Intended Use
Architectural luminaires for general illumination in rough service (vandal-resistant) wall or ceiling-mount applications. Ideal for interior or exterior applications where safety and security are a concern. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
Bezel: One-piece, die-cast aluminum, low-copper alloy (<1% copper), .125" thick. Secured to housing with stainless steel TORX[®] T10 set screws (two included).

Finish: Standard finish is textured polyester powder coat. Color must be specified.

Housing: One-piece, die-cast aluminum, low-copper alloy (<1% copper), post-painted in textured polyester powder coat. For use directly over outlet box or conduit entry (1/2" and 3/4" threaded opening).

Gasket: Polycarbonate: Perimeter lens gasket is one-piece silicone "O" ring. Glass: Perimeter lens gasket is closed-cell silicone. Pad mounting gasket (closed-cell neoprene) seals housing to mounting surface.

Optics
Lens: Translucent white,

injection-molded, UV-stabilized polycarbonate, .125" thick. Smooth exterior for easy cleaning. Interior pattern diffuses light for uniform surface illumination. Optional starburst pattern polycarbonate and borosilicate glass lens available (.250" thick).

Reflectors: HID reflectors are semi-specular aluminum. Fluorescent reflectors are high-gloss white powder coat finish for maximum light output. Lamps positioned for uniform brightness and illumination.

Electrical
Ballast: HID: High-reactance, HPF, starting temperature

-20°F (MH) or -40°F (HPS). CFL: Class P, electronic, HPF multi-volt. <10% THD with starting temperature of 0°F.

Socket: HID: Medium-base 4KV Rated porcelain. CFL: High-temperature thermoplastic with lamp retention clip.

Lamps: 35K four-pin lamp(s) standard for compact fluorescent. MH: Reduced UV lamp is standard. Included unless L/LP is specified.

Listings
UL Listed to US and Canadian safety standards (see Options). UL Listed for 25°C ambient and wet locations. IP65 rated.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

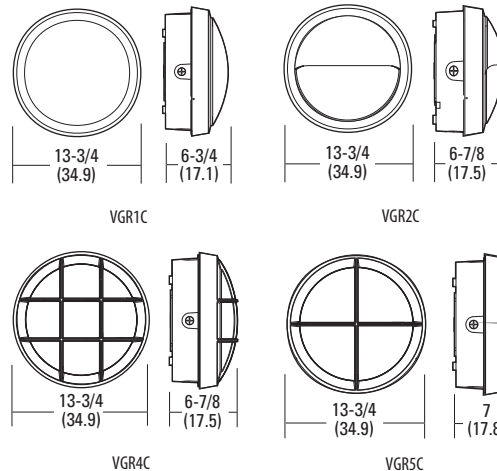
Example: VGR1C 70M 120 DWHG LPI

Series	Lamp type	Lens	Voltage	Ballast configuration ⁷	Ballast ⁷
Deep profile	Incandescent ^{1,2}	Triple-tube			
VGR1C	6.7" deep (blank) 100W	26TRT	50M	(blank) Standard configuration	(blank) Standard ballast
VGR2C	6.9" deep	2/26TRT	70M	2/1 Two 1-lamp ballasts	ADCF Advance [®] electronic fluorescent ballast
VGR4C	7" deep	32TRT	100M		MOTCF OSRAM [®] SYLVANIA [™] electronic fluorescent ballast
VGR5C	6.9" deep	2/32TRT	Ceramic metal halide		TUBCF Universal [™] Lighting Technologies electronic fluorescent ballast
	13DTT	42TRT	50MHC		ADEZ Advance [®] Marx X [®] electronic dimming ballast ^{8,9}
	2/13DTT	2/42TRT	70MHC		DMHL LUTRON [®] Hi-lume [®] electronic dimming ballast ^{8,9}
	18DTT	High pressure sodium	100MHC		
	2/18DTT	50S			
	26DTT	70S			
	2/26DTT				
Finish¹⁰	Options¹¹				Lamped¹⁹
Standard textured colors	ELDW Wet location battery pack (750 max lumens) ^{7,8,12}	NL	Night light (incandescent, 7W max) ^{13,14,15}		LPI Lamp(s) included (std.)
DWHG White	DS Dual switching, two ballasts ⁷	PE	Photoelectric cell (button type) ^{8,16}		L/LP Less lamp(s)
DBLB Black	SF Single fuse, 120V, 277V ^{4,8}	QRS	Quartz restrrike system ^{4,13}		
DDBT Dark bronze	DF Double fuse, 208V, 240V ^{4,8}	TRS	Tamper-resistant screws ¹⁷		
DNAT Natural aluminum	EC Emergency circuit (incandescent, 25W max) ^{13,14}	VGRDS	Decorative shroud ¹⁸		
DSST Sandstone	GLR Internal fast-blow fusing ^{7,8}	CSA	Meets Canadian standards		
	GMF Internal slow-blow fusing ^{7,8}				

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

ACCESSORIES	
ORDER SEPARATELY	
RK1 T10DRV	TORX [®] T10 screwdriver for Gateway [®] set screws
RK1 T20BIT	TORX [®] T20 hex-base driver bit for TRS option
RK1 T20DRV	TORX [®] T20 screwdriver for TRS option
VGRDS	Decorative shroud ²⁰

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Leave lamp type information blank.
- 2 Lamp not included.
- 3 Low-UV lamp is included and recommended for replacement.
- 4 Available for HID units only.
- 5 Multi-tap ballast-US: 120V, 208V, 240V, 277V; Canada: 120V/347V.
- 6 Multi-volt electronic ballast (for DTT and TRT lamps) capable of operating on any line voltage between 120V and 277V.
- 7 Available for compact fluorescent units only.
- 8 Must specify voltage. Not available with MVOLT or TB.
- 9 Available with 26DTT, 26TRT and 32TRT.
- 10 For additional colors, see pages 796-799 or see Architectural Colors brochure on www.lithonia.com.
- 11 For other options and accessories, see Accessories table and pages 148-149.
- 12 42TRT max. wattage, up to 42TRT or 2/18DTT.
- 13 Maximum wattage lamp included.
- 14 Available for single-lamp units only.
- 15 120V only.
- 16 Not available with DS.
- 17 Stainless steel TORX[®] T20 screws with center reject pin.
- 18 Color will be the same as the bezel.
- 19 Lamp included unless L/LP is specified.
- 20 Must specify color (example: VGRDS DWHG).

Intended Use

Architectural luminaires for general illumination in rough service (vandal-resistant) wall or ceiling-mount applications. Ideal for interior or exterior applications where safety and security are a concern. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Bezel: One-piece, die-cast aluminum, low-copper alloy (<1% copper), .125" thick. Secured to housing with stainless steel TORX® T10 set screws (two included).

Finish: Standard finish is textured polyester powder coat. Color must be specified.

Housing: One-piece, die-cast aluminum, low-copper alloy (<1% copper), post-painted in textured polyester powder coat. For use directly over outlet box or conduit entry (1/2" and 3/4" threaded opening).

Gasket: Polycarbonate: Perimeter lens gasket is one-piece silicone "O" ring. Glass: Perimeter lens gasket is closed-cell silicone. Pad mounting gasket (closed-cell neoprene) seals housing to mounting surface.

Optics

Lens: Translucent white, injection-molded, UV-stabilized polycarbonate, .125" thick. Smooth exterior for easy cleaning. Interior pattern diffuses light for uniform surface illumination. Optional borosilicate glass lens available (.250" thick).

Reflectors: High-gloss white powder coat finish for maximum light output. Lamps positioned for uniform brightness and illumination.

Electrical

Ballast: HID: High-reactance, HPF, starting temp. -20°F (MH) or -40°F (HPS). CFL: Class P, electronic, HPF multi-volt.

<10% THD with starting temperature of 0°F.

Socket: HID: Medium-base 4KV porcelain. CFL: High-temperature thermoplastic with lamp retention clip.

Lamps: 35K four-pin lamp(s) standard for compact fluorescent. MH: Reduced UV lamp is standard. Included unless L/LP is specified.

Listings

UL Listed to US and Canadian safety standards (see Options). UL Listed for 25°C ambient and wet locations. IP65 rated.

VGO
Gateway,® Cast Housing



Example: VG01C 50S TB DWHG PE LPI

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Series	Lamp type	Lens	Voltage	Ballast ⁵
Deep profile	Double twin-tube	42TRT	120	(blank) Standard ballast
VG01C 6.7" deep	13DTT	High pressure sodium	208 ²	ADCF Advance® electronic fluorescent ballast
VG02C 6.9" deep	18DTT	50S	240 ²	MOTCF OSRAM® SYLVANIA™ electronic fluorescent ballast
VG03C 6.9" deep	26DTT	Metal halide ¹	277	TUBCF Universal™ Lighting Technologies electronic fluorescent ballast
VG04C 7" deep	Triple-tube	50M	347	ADEZ Advance® Mark X® electronic dimming ballast ^{6,7}
VG05C 6.9" deep	26TRT	Ceramic metal halide	TB ^{2,3}	DMHL LUTRON® Hi-lume® electronic dimming ballast ^{6,7}
	32TRT	50MHC	MVOLT ^{4,5}	

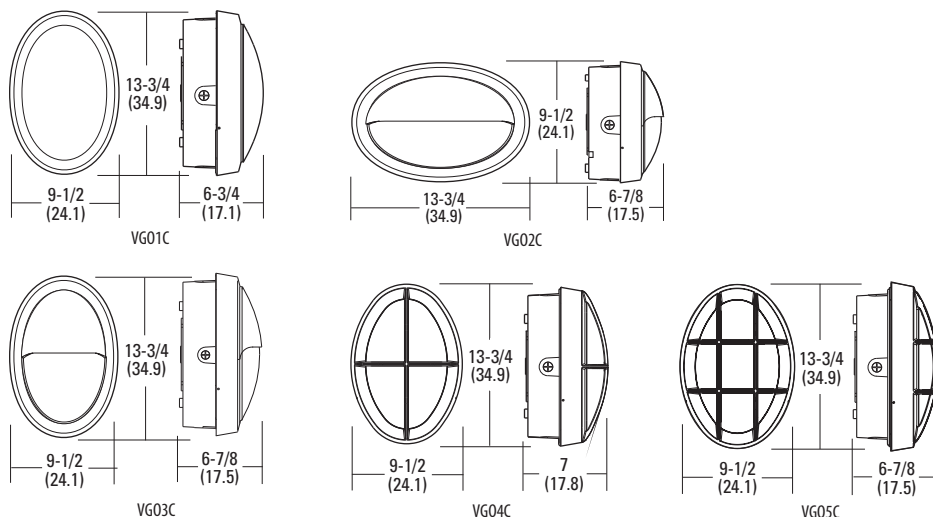
Finish ⁸	Options ⁹	Lamped ¹³
Standard textured colors	SF Single fuse, 120V, 277V ^{2,7}	LPI Lamp(s) included (std.)
DWHG White	DF Double fuse, 208V, 240V ^{2,7}	L/LP Less lamp(s)
DBLB Black	EC Emergency circuit (incandescent, 25W max) ⁷	
DDBT Dark bronze	GLR Internal fast-blow fusing ^{5,7}	
DNAT Natural aluminum	GMF Internal slow-blow fusing ^{5,7}	
DSST Sandstone	NL Night light (incandescent, 7W max) ^{10,11}	
	PE Photoelectric cell (button type) ⁷	
	QRS Quartz restrrike system ^{2,10}	
	TRS Tamper-resistant screws ¹²	
	CSA Meets Canadian standards	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ACCESSORIES	
ORDER SEPARATELY	
RK1 T10DRV	TORX® T10 screwdriver for Gateway® set screws
RK1 T20BIT	TORX® T20 hex-base driver bit for TRS option
RK1 T20DRV	TORX® T20 screwdriver for TRS option

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Low-UV lamp is included and recommended for replacement.
- Available for HID units only.
- Multi-tap ballast-US: 120V, 208V, 240V, 277V; CA: 120/347V.
- Multi-volt electronic ballast (for DTT and TRT lamps) capable of operating on any line voltage between 120V and 277V.
- Available for compact fluorescent units only.
- Available with 26DTT, 26TRT and 32TRT.
- Must specify voltage. Not available with MVOLT or TB.
- For additional colors, see pages 796-799 or see Architectural Colors brochure on www.lithonia.com.
- For other options and accessories, see Accessories table and pages 148-149.
- Maximum wattage lamp included.
- 120V only.
- Stainless steel TORX® T20 screws with center reject pin.
- Lamp(s) included unless L/LP is specified.

PRODUCT INFORMATION

VR1 VR2



Intended Use
General illumination for rough service (vandal-resistant) applications. Ideal for applications that require adequate light capabilities for safety and security. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
Backplate: Heavy-duty, 16-gauge cold-rolled steel. White polyester powder coat for high reflectance, durabil-

ity and corrosion resistance. Backplate insulated with 1" thick fiberglass. Closed-cell neoprene gasket seals out moisture and contaminants.

Optics
Lens - VR1: White opal UV-stabilized polycarbonate, nominal thickness .125", softens light across entire surface. VR2: Clear prismatic UV-stabilized polycarbonate, nominal thickness .125". Smooth exterior for easy cleaning. Stainless steel tamper-resistant TORX® T20 screws or standard stainless

steel slotted hex-head screws (two of each included).

Electrical
Ballast: Electromagnetic ballast is NPF with starting temperature of 0°F.

Socket: Fluorescent: Thermo-plastic socket. Incandescent: Unglazed porcelain snap-in socket with aluminum screw shell. Spring-loaded steel clips hold socket tightly in place.

Lamps: 35K compact fluorescent lamp included unless L/LP is specified. Incandescent lamp not included.

Installation
Can be wall- or ceiling-mounted. Backplate suitable for outlet box mounting. For maximum vandal resistance, mount unit to structure through four knockouts provided.

Listings
UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and wet locations for wall-mount and covered-ceiling applications.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

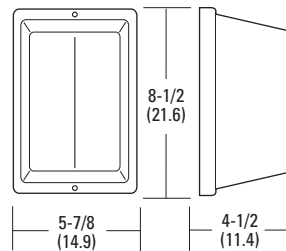
Example: VR1 7TT 120 LPI

Series	Lamp type ¹	Voltage ¹	Lens	Options ⁴	Lamped ⁷
VR1 Opal lens	(blank) Incandescent ^{2,3}	120	(blank) VR1: White opal; VR2: Clear prismatic	AL Aluminum backplate	LPI Lamp included (standard)
VR2 Clear prismatic lens	7TT 7W fluorescent twin-tube		HBE Horizontal black eyelid PBT Perimeter black trim VBE Vertical black eyelid	DC Single DC bayonet base socket (incandescent, 25W max) EC Emergency circuit (incandescent, 25W max) ⁵ GLR Internal fast-blow fusing ¹ GMF Internal slow-blow fusing ¹ IHR Internal horizontal reflector IR Internal reflector	L/LP Less lamp
				NL Night light (incandescent, 7W max) ⁵ XT Low-energy diode extended lamp life ⁶ 4S Four screws per unit CSA Meets Canadian standards	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

ACCESSORIES ORDER SEPARATELY	
RK1 T20BIT	TORX® TX20 hex-base driver bit for tamper-resistant screws with center reject pin
RK1 T20DRV	TORX® TX20 screwdriver for tamper-resistant screws with center reject pin
For extension boxes and external visors, see page 148.	

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Specify for compact fluorescent only.
- Maximum wattage: wall mount = 100W, ceiling mount = 75W.
- Lamp not included.
- For other options and accessories, see Accessories table and pages 148-149.
- Maximum wattage lamp provided.
- Available for incandescent units only.
- Fluorescent lamp included unless L/LP is specified.

PRODUCT INFORMATION

Intended Use

Decorative luminaire for general illumination of rough service (vandal-resistant) applications. Ideal for applications that require maximum light capabilities for safety and security. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Housing: One-piece cast aluminum, finished in black polyester powder coat. One

1/2" opening allows rear conduit entry or covers the outlet box. Two mounting holes for wall mounting.

Gaskets: Perimeter housing gasket is one-piece, die-cut, closed-cell neoprene to seal out contaminants. Pad mounting gasket of closed-cell neoprene helps keep out moisture, insects and dust from housing.

Optics

Lens: VR1B/BV/BH: White opal UV-stabilized, injection-molded polycarbonate lens, nominal thickness .125".

VR2B/BV/BH: Clear prismatic

UV-stabilized, injection-molded polycarbonate lens, nominal thickness .125".

Smooth exterior for easy maintenance and accented with high-strength black Polane® polyurethane coating for hardness, adhesion and abrasion resistance. Lens is secured by two #8-32 stainless steel screws, either tamper-resistant TORX® T-20 or slotted hex-head (two of each included).

Electrical

Ballast: Electronic HPF multi-volt, starting temperature

0°F. Exception: 7TT is electromagnetic, NPF.

Sockets: Thermoplastic.

Lamps: 35K compact fluorescent lamp(s) included unless L/LP is specified.

Installation

Unit may be wall- or ceiling-mounted.

Listings

UL Listed to US and Canadian safety standards (see Options). UL Listed for 25°C ambient and wet locations.

VR1B VR2B



Example: VR1B 2/7TT 120 LPI

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Series	Lamp type	Voltage	Options ³	Lamped ⁸
<u>Opal polycarbonate lens</u>	<u>Twin-tube¹</u>	120	EC Emergency circuit (incandescent, 25W max) ^{4,5}	LPI Lamp included (standard)
VR1B Perimeter black trim	2/7TT	277	GLR Internal fast-blow fusing ⁶	L/LP Less lamp
VR1BV Vertical black eyelid	<u>Double twin-tube</u>	347	GMF Internal slow-blow fusing ⁶	
VR1BH Horizontal black eyelid	13DTT	MVOLT ²	NL Night light (incandescent, 7W max) ^{1,4,5}	
<u>Clear prismatic lens</u>	<u>Triple-tube</u>		PE Photoelectric cell (button type) ⁶	
VR2B Perimeter black trim	26TRT		SCB Surface conduit backbox, black ⁷	
VR2BV Vertical black eyelid	32TRT		CSA Meets Canadian standards	
VR2BH Horizontal black eyelid				

ADDITIONAL INFORMATION

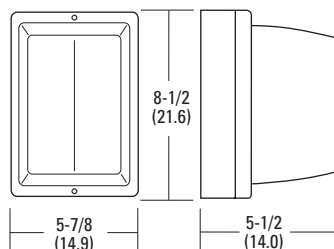
For additional product information, visit www.lithonia.com.

ACCESSORIES

ORDER SEPARATELY

RK1 T20BIT	TORX® TX20 hex-base driver bit for tamper-resistant screws with center reject pin
RK1 T20DRV	TORX® TX20 screwdriver for tamper-resistant screws with center reject pin
SCB	Surface conduit backbox, black

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- 120V only.
- Multi-volt electronic ballast (for DTT and TRT lamps) capable of operating on any line voltage between 120V and 277V.
- For other options and accessories, see Accessories table and pages 148-149.
- Maximum wattage lamp provided.
- Available for single-lamp units only.
- Must specify voltage. Not available with MVOLT.
- Replaces standard backbox. UL listed for damp locations.
- Lamp included unless L/LP is specified.

PRODUCT INFORMATION

VR1C VR2C



VR1C



VR2C

Intended Use
General illumination for rough service (vandal-resistant) applications. Ideal for applications that require maximum light capabilities for safety and security. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
Housing: One-piece, die-cast aluminum, low-copper

alloy, finished in dark bronze polyester powder coat.

Optics
Lens: VR1C: White opal polycarbonate, UV-stabilized, nominal thickness .125", softens light across entire surface. VR2C: Clear prismatic polycarbonate, UV-stabilized, nominal thickness .125". Smooth exterior for easy cleaning. Lens secured by either stainless steel tamper-resistant TORX® T-20 or standard stainless steel slotted hex-head screws (two of each included).

Electrical
Ballast: Compact fluorescent: Electronic, HPF multi-volt, starting temperature 0°F. HID: NPF for high pressure sodium and HPF for metal halide.
Socket: CFL: Thermoplastic. HID: Medium-base porcelain with copper alloy, nickel-plated screw shell and center contact. UL listed 660W, 600V, 4KV pulse rated.
Lamps: 35K compact fluorescent lamp(s). MH: Reduced-UV lamp is stan-

dard. Lamp included unless L/LP is specified.

Installation
Wall-mount only for HID. For maximum vandal resistance, use four-hole mounting pattern.

Listings
UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for 25°C ambient and wet locations for wall-mount and covered-ceiling applications.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: VR2C 50M 277 IR LPI

Series	Lamp type	Lens	Voltage
VR1C Opal lens	<u>Double twin-tube</u>	(blank) VR1C: White opal,	120
VR2C Clear prismatic lens	13DTT	VR2C: Clear prismatic	277
	18DTT	HBE Horizontal black eyelid	347
	26DTT	PBT Perimeter black trim	MVOLT^{3,4}
		VBE Vertical black eyelid	
		<u>High pressure sodium^{1,2}</u>	
		35S	
		50S	
		70S	
		<u>Metal halide²</u>	
		50M	
Options⁵			Lamped⁹
EC Emergency circuit (incandescent, 25W max) ⁶	IR Internal reflector ²	CSA Meets Canadian standards	LPI Lamp included (standard)
GLR Internal fast-blow fusing ^{4,7}	NL Night light (incandescent, 7W max) ^{1,6}	NOM Meets Mexican standards	L/LP Less lamp
GMF Internal slow-blow fusing ^{4,7}	PE Photoelectric cell (button type) ⁷		
IHR Internal horizontal reflector ²	SF Single fuse (120, 277, 347) ⁸		

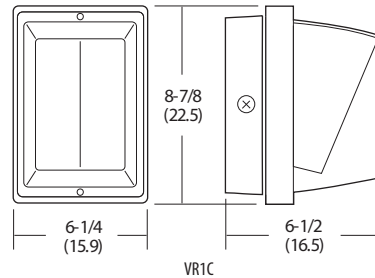
ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

ACCESSORIES

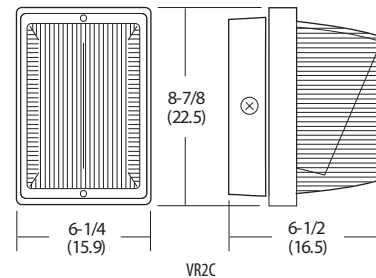
ORDER SEPARATELY

RK1 T20BIT	TORX® TX20 hex-base driver bit for tamper-resistant screws with center reject pin
RK1 T20DRV	TORX® TX20 screwdriver for tamper-resistant screws with center reject pin

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



VR1C



VR2C

Notes

- 120V only.
- Must specify IR or IHR on wall-mount HID units.
- Multi-volt electronic ballast (for DTT and TRT lamps) capable of operating on any line voltage between 120V and 277V.
- Available for compact fluorescent units only.
- For other options and accessories, see Accessories table and pages 148-149.
- Maximum wattage lamp provided.
- Must specify voltage. Not available with MVOLT.
- Available for HID units only.
- Lamp(s) included unless L/LP is specified.

PRODUCT INFORMATION

VR3 VR4



Intended Use
General illumination for rough service (vandal-resistant) applications. Ideal for interior or exterior applications where safety and security are a concern. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
Backplate: Heavy-duty, 16-gauge cold-rolled steel. White polyester powder coat for high reflectance, durability and corrosion resistance. Closed-cell neoprene

gasket seals out moisture and contaminants.

Optics
Lens: Clear prismatic, UV-stabilized polycarbonate, nominal thickness .125". Prism optics provide uniformity with maximum spacing-to-mounting height ratios. TORX® T-20 and standard stainless steel slotted hex-head screw (one each included).

Electrical
Ballast: VR3: Electromagnetic, NPF, with starting temperature of 0°F for 7W and 25°F for 9W.

VR4: Class P, electronic, HPF multi-volt, THD <10%, starting temperature 0°F.

Exceptions are 7TT, 9TT, 13TT. Electromagnetic, NPF, 120V only.

Socket: Compact fluorescent: Thermoplastic socket. Incandescent: Unglazed porcelain snap-in socket with aluminum screw shell. Spring-loaded steel clips hold socket tightly in place. VR3 provided with one socket and VR4 provided with two sockets. SM1 single-socket option available.

Lamps: 35K compact fluorescent lamp(s) included unless L/LP is specified. Incandescent lamp(s) not included.

Installation
Keyhole slots simplify wall or ceiling installation. For

maximum vandal resistance, use four-hole mounting pattern.

Listings
UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and wet locations for wall-mount and covered-ceiling applications.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: VR4 2/26DTT MVOLT LPI

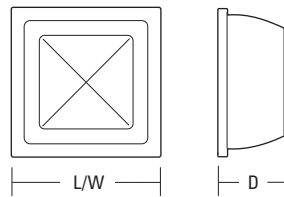
Series	Lamp type ¹	Lens	Voltage	Options ⁵	Lamped ¹⁰			
VR3 8-1/2" x 8-1/2"	Incandescent ²	13TT	26DTT	(blank) Clear prismatic	120	AL Aluminum backplate	IR Internal reflector	LPI Lamp(s) included (standard)
VR4 11-3/4" x 11-3/4"	(blank) Incandescent	2/13TT	2/26DTT	WP White polycarbonate	277	EC Emergency circuit (incandescent, 25W max) ⁶	NL Night light (incandescent, 7W max) ^{3,6}	L/LP Less lamp(s)
	Twin-tube ³	Double twin-tube	Triple-tube		347	DS Dual switching	SM1 Single medium-base incandescent socket ⁹	
	7TT	13DTT	26TRT		MVOLT⁴	4S Four screws per unit	XT Low-energy diode extended lamp life ⁹	
	2/7TT	2/13DTT	2/26TRT			GLR Internal fast-blow fusing ^{7,8}	CSA Meets Canadian standards	
	9TT	2/18DTT	32TRT					
	2/9TT	18DTT	42TRT					

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS	
SERIES	LAMP TYPE
VR3	75W ¹¹ , 100W ¹² , 150W ^{12,13} , 7TT, 2/7TT, 9TT, 2/9TT
VR4	2/60W, 2/75W ¹² , 100W ¹² , 150W ^{12,13,14} , 7TT, 2/7TT, 9TT, 2/9TT, 13TT, 2/13TT, 13DTT, 2/13DTT, 18DTT, 2/18DTT, 26DTT, 2/26DTT, 26TRT, 2/26TRT, 32TRT, 42TRT

ACCESSORIES	
ORDER SEPARATELY	
RK1 T20BIT	TORX® TX20 hex-base driver bit for tamper-resistant screws with center reject pin
RK1 T20DRV	TORX® TX20 screwdriver for tamper-resistant screws with center reject pin

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	VR3	VR4
Length/Width:	8-1/2 (21.6)	11-3/4 (29.8)
Depth:	4-5/8 (11.7)	5-1/2 (14.0)

Notes

- See Configurations table for lamp compatibility.
- Leave lamp type information blank for incandescent.
- 120V only.
- Multi-volt electronic ballast (for DTT and TRT lamps) capable of operating on any line voltage between 120V and 277V.
- For other options and accessories, see Accessories table and pages 148-149.
- Maximum wattage lamp provided.
- Available for compact fluorescent units only.
- Must specify voltage. Not available with MVOLT.
- Available for incandescent units only.
- Compact fluorescent lamp(s) included unless L/LP is specified.
- Maximum ceiling-mount wattage.
- Wall-mount only.
- Available for base-up wall mounting using an A21 lamp.
- Single-socket incandescent on wall: order SM1 option.

PRODUCT INFORMATION

Intended Use

General illumination for rough service (vandal-resistant) applications. Ideal for areas that require higher levels of protection from physical assault, while providing proper illumination for safety or security. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Housing: One-piece, die-cast aluminum, low-copper alloy, finished in dark bronze polyester powder coat.

Optics

Lens: Clear prismatic

polycarbonate, UV-stabilized, nominal thickness .125". Lens secured by stainless steel tamper-resistant TORX® T-20 or standard stainless steel slotted hex-head screws (four each included). One-piece silicone perimeter gasket seals out moisture and contaminants.

Reflector: VR3C, VR4C: Horizontal reflector, ceiling-mount or wall-mount (with IR option). VR4CV: Vertical reflector, ceiling-mount only.

Electrical

Ballast: Fluorescent: Electronic, HPF multi-volt, starting temperature of 0°F. (7TT is electromagnetic, 120V only.) High pressure sodium: High-reactance, HPF (35S is NPF). 50 –150W MH ballast are

high-reactance, high power factor and are standard with pulse start ignitor technology (SCWA not required). 175W MH is constant wattage auto-transformer (CSA, NOM or INTL required for shipments outside the U.S.). Super CWA (pulse start ballast), 88% efficient and EISA legislation compliant is required for 175W MH (SCWA option) U.S. shipments only.

Socket: Fluorescent: Horizontally mounted thermoplastic. HID: Medium-base porcelain with copper alloy, nickel-plated screw shell and center contact. UL listed 660W, 600V, 4KV pulse rated.

Lamps: 35K four-pin lamp(s) standard for compact fluorescent. MH: Reduced-UV lamp is

standard. Included unless L/LP is specified. Ceramic metal halide lamps are recommended for use in application where superior color rendition, lumen maintenance and longer lamp life are desired.

Installation

Three 1/2" threaded plugs for conduit entry or mount over outlet box. Four mounting holes for maximum vandal resistance.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for 25°C ambient and wet locations for wall-mount and covered-ceiling applications.

**VR3C
VR4C
VR4CV**



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: VR3C 2/26TRT MVOLT LPI

Series	Lamp type ¹					Lens	Voltage	Ballast configuration
VR3C	<u>Twin-tube</u> ²	18DTT	2/32TRT	150S	Ceramic metal halide	(blank) Clear prismatic	120	(blank) Standard configuration
VR4C	2/7TT	2/18DTT	42TRT	<u>Metal halide</u>	WP	White polycarbonate	208 ⁵	2/1 Two 1-lamp ballasts ⁷
VR4CV	2/9TT	26DTT	2/42TRT	50M ^{3,4}			240 ⁵	
	13TT	2/26DTT	<u>High pressure sodium</u>	70M³			277	
	2/13TT	<u>Triple-tube</u>	35S ²	100M			347	
	<u>Double twin-tube</u>	26TRT	50S	150M³			480 ⁵	
	13DTT	2/26TRT	70S	175M			TB^{5,6}	
	2/13DTT	32TRT	100S				MVOLT^{7,8}	

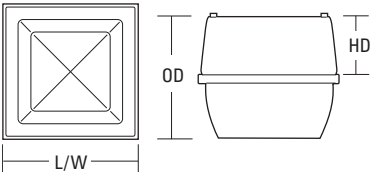
Ballast	Options ¹²	Lamped ¹⁷
(blank) Standard ballast	SF Single fuse (120, 277, 347V) ^{5,9}	LPI Lamp(s) included (standard)
ADEZ Advance® Mark X® electronic dimming ballast ^{7,9,10}	DF Double fuse (208, 240, 480V) ^{5,9}	L/LP Less lamp(s)
DMHL LUTRON® Hi-lume® electronic dimming ballast ^{7,9,10,11}	DS Dual switching ^{7,13}	
<u>Pulse start metal halide</u>	QRS Quartz restrike system ^{3,5,14}	
For shipments to U.S. territories, SCWA must be specified to comply with EISA.	EC Emergency circuit (incandescent, 25W max) ¹⁴	
SCWA Super CWA pulse start ballast ⁵	NL Night light (incandescent, 7W max) ^{2,14}	
	PE Photoelectric cell (button type) ⁹	
	IR Internal reflector ¹⁵	
	GLR Internal fast-blow fusing ^{7,9}	
	GMF Internal slow-blow fusing ^{7,9}	
	CSA Meets Canadian standards	
	NOM Meets Mexican standards ^{5,16}	
	INTL Available for MH probe start shipping outside the U.S.	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS	
SERIES	LAMP TYPE
VR3C	2/7TT, 2/9TT, 13DTT, 2/13DTT, 18DTT, 2/18DTT, 26DTT, 2/26DTT, 26TRT, 2/26TRT, 32TRT, 42TRT, 35S, 50S, 70S, 100S, 50M, 70M, 50MHC, 70MHC, 100MHC
VR4C	2/7TT, 2/9TT, 13TT, 2/13TT, 13DTT, 2/13DTT, 18DTT, 2/18DTT, 26DTT, 2/26DTT, 26TRT, 2/26TRT, 32TRT, 42TRT, 2/42TRT, 35S, 50S, 70S, 100S, 50M, 70M, 100M, 50MHC, 70MHC, 100MHC
VR4CV	35S, 50S, 70S, 100S, 150S, 50M, 70M, 100M, 150M, 175M, 50MHC, 70MHC, 100MHC, 150MHC

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	VR3C	VR4C/VR4CV
Length/Width:	8-3/4 (22.2)	12 (30.5)
Overall depth:	8 (20.3)	9-1/2 (24.1)
Housing depth:	3-3/4 (9.5)	4 (10.2)

Notes

- See Configurations table for lamp compatibility.
- 120V only.
- Not available in 480V.
- Not available with 120V
- Available for HID units only.
- Multi-tap ballast. US: 120V, 208V, 240V, 277V. Canada: 120V/347V.
- Available for compact fluorescent units only.
- Multi-volt electronic ballast (for DTT and TRT lamps) capable of operating on any line voltage between 120V and 277V.
- Must specify voltage. Not available with MVOLT or TB.
- Available with 26DTT and all single TRT lamps; excludes 42TRT.
- Available with 2/26TRT - VR4C only.
- For other options and accessories, see Accessories table and pages 148-149.
- Cannot be ordered with EC or PE option.
- Maximum wattage lamp provided.
- HID wall-mounted units require IR option.
- Consult factory for availability.
- Lamp(s) included unless L/LP is specified.

VR4C VR4CV

Induction Lighting System



Intended Use

For areas that require higher levels of illumination and where maintenance is an issue (tunnels, airports, public facilities, freezers). Provides extreme long life for rough service and special environment applications. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Housing: One-piece, die-cast aluminum, low-copper alloy, finished in white polyester powder coat. Closed-cell neoprene gasket seals against mounting surface for L/JB option. Provided

with mounting brackets for four-point mounting. Weatherproof junction box and cover provided as standard for surface conduit wiring.

Optics

Lens: Clear prismatic polycarbonate, UV-stabilized, nominal thickness .125". Lens secured by standard stainless steel slotted hex-head screws (four each included). One-piece silicone perimeter gasket seals out moisture and contaminants.

Reflector: Horizontal reflector used with VR4C ICETRON™ system; vertical reflector used with VR4CV QL system.

Electrical

Lamps: Discharge vessel included and installed.

ICETRON™ lamp is 35K; QL lamp is 30K.

High-frequency generator/ballast: Supplies high-frequency current to the lamp to initiate and maintain a gas discharge for a rated 100,000 hours of life. The current travels through coils on the lamp (in the ICETRON™ system) or through coils on the Power Coupler (in the QL system) to create the magnetic (inductive) field. Suitable for ambient temperatures ranging from -40°C to 25°C.

Discharge vessel/lamp: Glass bulb that contains a mixture of low-pressure mercury vapor and inert buffer gas. The wall of the lamp is coated with a fluorescent

powder that produces light at 3000K (QL system) or 3500K (ICETRON™ system) and an 80+ CRI.

Installation

Ceiling or wall mount. Mounting brackets and junction box allow fixture to be installed without ever opening. For outlet box installation, see L/JB option. Wire leads will be routed out the rear conduit opening.

Listings

UL Listed to US and Canadian safety standards (see Options). UL Listed for 25°C ambient and wet locations.

ICETRON™ system: Five-year warranty.

Induction system: Seven-year warranty.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: VR4CV 85IL TVOLT LPI

Series	Lamp type ¹	Voltage ¹	Options ⁵	Lamped ⁸
VR4C 12" x 12"	70IL 70W ICETRON induction lighting system ²	MVOLT ³	EC Emergency circuit (Incandescent, 25W max) ⁶	LPI Lamp included (std.)
VR4CV 12" x 12"	100IL 100W ICETRON induction lighting system ²	120	L/JB Less junction box	
	55IL 55W QL induction lighting system	277	PE Photoelectric cell (button type) ⁷	
	85IL 85W QL induction lighting system	TVOLT ⁴	TRS Tamper-resistant screws	
			CSA Meets Canadian standards	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS

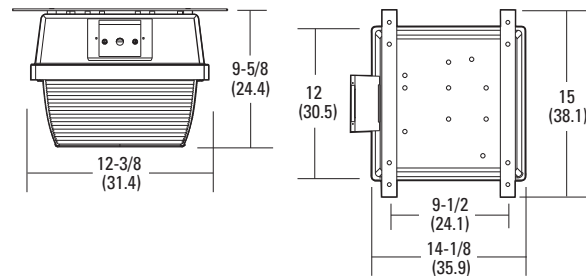
SERIES	LAMP TYPE	VOLTAGE
VR4C	70IL	120V, 277V, MVOLT
VR4C	100IL	120V, 277V, MVOLT
VR4CV	55IL	120V, 277V, TVOLT
VR4CV	85IL	120V, 277V, TVOLT

ACCESSORIES

ORDER SEPARATELY

RK1 T20BIT	TORX® TX20 hex-base driver bit for TRS option
RK1 T20DRV	TORX® TX20 screwdriver for TRS option

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See Configurations table for lamp compatibility.
- ICETRON™ is a trademark of OSRAM® SYLVANIA™.
- Multi-volt electronic ballast capable of operating on any line voltage between 120V and 277V.
- Tri-volt electronic ballast capable of operating on any line voltage between 200V and 277V.
- For other options and accessories, see Accessories table and pages 148-149.
- Maximum wattage lamp included.
- Must specify voltage. Not available with MVOLT or TVOLT.
- Lamp included and installed.

VRR



Intended Use

General illumination for rough service (vandal-resistant) applications. Ideal for interior or exterior applications where safety and security are a concern. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Housing: 16-gauge cold-rolled steel finished in white polyester powder coat.

Door: 16-gauge cold-rolled steel door secured by stainless steel tamper-resistant TORX® T-20 or standard stainless steel slotted hex-head screws (four

of each included). Finish is white polyester powder coat.

Optics

Lens: UV-stabilized drop dish is clear, prismatic polycarbonate, nominal thickness .125".

Electrical

Ballast: Fluorescent: Electronic, HPF multi-volt, starting temperature of 0°F. (13TT is electromagnetic, 120V only.) High pressure sodium: High-reactance, HPF (35S is NPF). 50 – 150W MH ballasts are high-reactance, high power factor and are standard with pulse start ignitor technology (SCWA not required). 175M MH is constant-wattage autotransformer (CSA, NOM or INTL required for shipments outside

the U.S.). Super CWA (pulse start ballast), 88% efficient and EISA legislation compliant is required for 175W MH (SCWA option) U.S. shipments only. HEB: Metal halide electronic ballast enables operation at any input voltage 120-277V, +/- 10%, 50/60Hz. Ballast is Class P, HPF, <15% THD with starting temperature of -22°F (-30°C).

Socket: Fluorescent: Horizontally mounted thermoplastic. HID: Medium-base porcelain with copper alloy, nickel-plated screw shell and center contact. UL listed 660W, 600V, 4KV pulse rated. 175W metal halide is mogul-base.

Lamps: 35K lamp(s) included for compact fluorescent. Metal

halide standard with reduced-UV lamp (except 175M probe start). Included unless L/LP is specified. Ceramic metal halide lamps are recommended for use in application where superior color rendition, lumen maintenance and longer lamp life are desired.

Installation

Installation: Separate yoke mounting frame provided with brackets for use with C-channel bar hangers, which are not included.

Listings

UL Listed (standard). CSA Certified (see Options). UL listed for 25°C ambient and wet locations in covered-ceiling applications only. IP64 option available.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: VRR 100M 120 LPI

Series	Lamp type	Lens			Voltage	Ballast	
VRR	<u>Incandescent</u> ^{1,2}	<u>Triple-tube</u>	50S ³	150M ³	(blank) Clear prismatic	120	(blank) Standard ballast
	(blank) Incandescent	26TRT	70S	175M	WP White polycarbonate	208 ⁶	ADEZ Advance® Mark X® electronic dimming ballast ^{9,10,11}
	<u>Twin-tube</u>	2/26TRT	100S	<u>Ceramic metal halide</u>	DHL Drop Holophane® glass ⁵	240 ⁶	DMHL LUTRON® Hi-Lume® electronic dimming ballast ^{9,10,11,12}
	2/13TT	32TRT	150S	50MHC		277	HEB Electronic ballast ¹³
	<u>Double twin-tube</u>	2/32TRT	<u>Metal halide</u>	70MHC		347	<u>Pulse start metal halide</u>
	2/18DTT	42TRT	50M ^{3,4}	100MHC		480 ⁶	For shipments to U.S. territories, SCWA must be specified to comply with EISA.
	2/26DTT	<u>High pressure sodium</u>	70M ³	150MHC		MVOLT ^{7,8}	SCWA Super CWA pulse start ballast ⁶
	35S ¹	100M					

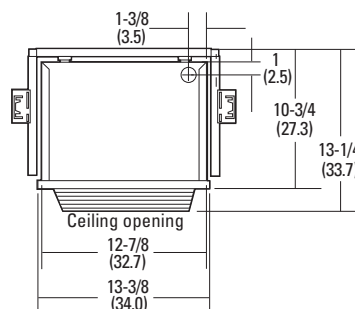
Options ¹⁴	Lamped ¹⁸
ALDF Aluminum door frame for DHL lens	LPI Lamp(s) included (std.)
SF Single fuse (120, 277, 347) ^{6,10}	L/LP Less lamp(s)
DF Double fuse (208, 240, 480) ^{6,10}	
QRS Quartz restrike system ^{3,6,15}	
QRSTD Quartz restrike system time delay ^{3,6,15}	
EC Emergency circuit (incandescent: 25W max, DC bayonet base) ¹⁵	
NL Night light (incandescent: 7W max, candelabra base) ^{1,15}	
GLR Internal fast-blow fusing ^{9,10}	
GMF Internal slow-blow fusing ^{9,10}	
XT Low-energy diode extended lamp life ¹⁶	
CSA Meets Canadian standards	
INTL Available for MH probe start shipping outside the U.S.	
IP64 Dust-tight and protected against water splashing in any direction ¹⁷	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ACCESSORIES	
ORDER SEPARATELY	
RK1 T20BIT	TORX® TX20 hex-base driver bit for tamper-resistant screws with center reject pin
RK1 T20DRV	TORX® TX20 screwdriver for tamper-resistant screws with center reject pin
PF	Plaster frame; provides a clean edge for ceiling openings

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

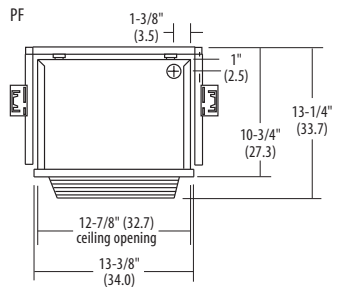
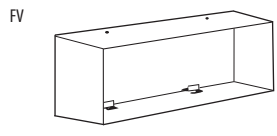
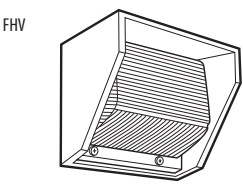
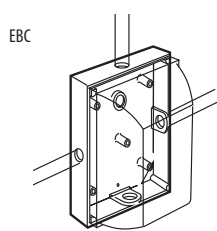
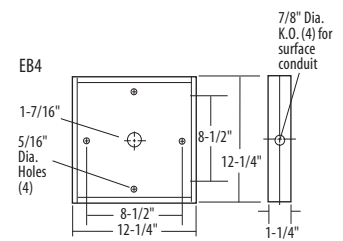
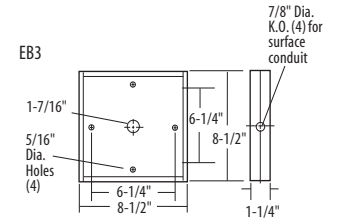
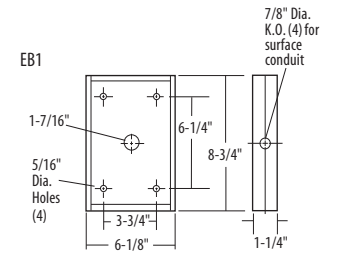


Notes

- 120V only.
- Leave lamp type information blank for incandescent.
- Not available with 480V.
- Not available with 120V.
- Requires ALDF option.
- Available for HID units only.
- Multi-volt electronic ballast (for DTT and TRT lamps) capable of operating any line voltage 120V to 277V.
- Available for compact fluorescent units and HEB ballast only.
- Available for compact fluorescent units only.
- Must specify voltage. Not available with MVOLT or TB.
- Available with 26DTT and all single TRT lamps; excludes 42TRT.
- Available with 2/26DTT and 2/26TRT.
- Available with 100M only.
- For other options and accessories, see Accessories table and pages 148-149.
- Maximum wattage lamp provided.
- Available for incandescent units only.
- Available with HID sources and DHL lens only.
- Lamp(s) included unless L/LP is specified.

PRODUCT INFORMATION

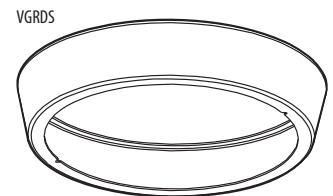
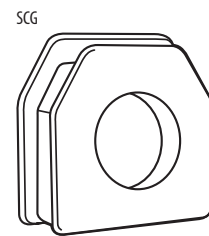
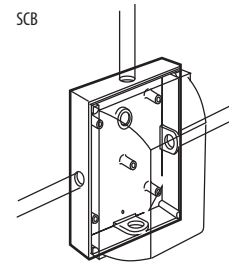
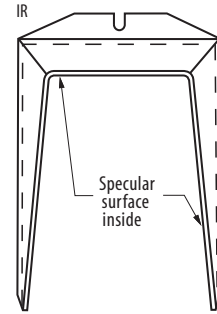
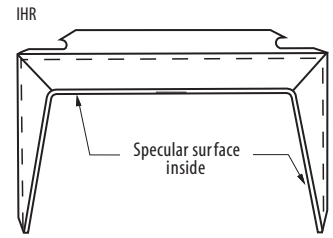
TYPE	NOMENCLATURE	DESCRIPTION	VR1	VR2	VR3	VR4	VR1C	VR2C	VR3C	VR4C	VRR
EXTENSION BOXES - WHITE ¹	EB1 U OS	Steel	■	■							
	EB3	Steel			■						
	EB4	Steel				■					
	EB1 AL	Aluminum	■	■							
	EB3 AL	Aluminum			■						
	EB4 AL	Aluminum				■					
	EBC	Cast aluminum	■	■							
EXTENSION BOXES WITH CONVENIENCE OUTLET - WHITE ²	EB1 CO	Steel	■	■							
	EB3 CO	Steel			■						
	EB4 CO	Steel				■					
	EB1 CO AL	Aluminum	■	■							
	EB3 CO AL	Aluminum			■						
	EB4 CO AL	Aluminum				■					
EXTENSION BOXES WITH TOGGLE SWITCH - WHITE ³	EB1 TS1	Steel	■	■							
	EB3 TS1	Steel			■						
	EB4 TS1	Steel				■					
	EB1 TS1 AL	Aluminum	■	■							
	EB3 TS1 AL	Aluminum			■						
	EB4 TS1 AL	Aluminum				■					
EXTENSION BOXES WITH PHOTOELECTRIC CELLS - WHITE ⁴	EBC PEB1	Cast aluminum DNA silver; 120V	■	■							
	EB3 PEB1	Steel; 120V			■						
	EB3 PEB1 AL	Aluminum; 120V			■						
	EB4 PEB1	Steel; 120V				■					
	EB4 PEB1 AL	Aluminum; 120V				■					
	EB4 PEB2	Steel; 277V				■					
	EB4 PEB2 AL	Aluminum; 277V				■					
EXTERNAL VISORS - DARK BRONZE	FHV	Steel horizontal; shields up & side illumination	■ ⁵	■ ⁵							
	FHV AL	Aluminum horizontal; shields up & side illumination	■ ⁵	■ ⁵							
	FHVC	Steel horizontal; shields up & side illumination						■ ⁵			
	FHVC AL	Aluminum horizontal; shields up & side illumination						■ ⁵			
	FV1	Steel vertical; shields up & side illumination	■ ⁶	■ ⁶							
	FV1 AL	Aluminum vertical; shields up & side illumination	■ ⁶	■ ⁶							
	FV2C	Steel vertical					■	■			
	FV2C AL	Aluminum vertical					■	■			
	FV3	Steel vertical; shields up & side illumination			■						
	FV3 AL	Aluminum vertical; shields up & side illumination			■						
	FV3C	Steel vertical							■		
	FV3C AL	Aluminum vertical							■		
	FV4	Steel vertical				■					
	FV4 AL	Aluminum vertical; shields up & side illumination				■					
	FV4C	Steel vertical								■	
FV4C AL	Aluminum vertical								■		
PF	Plaster frame; provides clean edge for ceiling opening										■



TYPE	NOMENCLATURE	DESCRIPTION
SCREWDRIVERS	RK1 T10DRV	TORX [®] TX10 ⁷
	RK1 T20DRV	TORX [®] TX20 ^{8,9}
	RK1 T20BIT	TORX [®] TX20 hex-base driver bit ⁸

- Notes**
- 1 For surface conduit application. Not UL Listed for wet locations.
 - 2 For surface conduit application. Outlet is 15A, 125V for easy access to electrical supply. Not for outdoor use. Not UL Listed for wet locations.
 - 3 For surface conduit application. Toggle switch is 15A, 125V for easy access to electrical supply. Not for outdoor use. Not UL Listed for wet locations.
 - 4 For surface conduit application. Photoelectric cell is button type, 120V or 277V. Not for outdoor use. Not UL Listed for wet locations.
 - 5 Use with two-screw units only.
 - 6 Use with four-screw units only.
 - 7 Use with Gateway[®] set screws.
 - 8 Use with tamper-resistant screws with center reject pin.
 - 9 Use with Gateway[®] TRS option.

TYPE	NOMENCLATURE	DESCRIPTION
BALLAST	ADCF	Advance® electronic fluorescent ballast. Requires four-pin lamp (120V or 277V only).
	ADEZ	Advance® Mark X® electronic line voltage control dimming ballast (120V or 277V; 26DTT, 26TRT and 32TRT).
	CW	Cold-weather ballast for linear fluorescent fixtures.
	CW20	Cold-weather ballast, -20°F, for linear fluorescent fixtures.
	HEB	Electronic HID ballast. 120-277V, 50-60Hz. THD < 15%, PF > 90.
	DMHL	LUTRON® Hi-lume® electronic three-wire line voltage control dimming ballast (120V or 277V; 26DTT, 26TRT and 32TRT).
	MOTCF	Osram® Sylvania™ electronic fluorescent ballast. Requires four-pin lamp.
	RHP	Reactor high power factor ballast (HPS and 120V only).
	TUBCF	Universal™ Lighting Technologies electronic fluorescent ballast. Requires four-pin lamp.
	XHP	High-reactance high power factor ballast (208V, 240V, 277V, 347V and TB). Available with HPS only (35S not available).
MISCELLANEOUS	4S	Four screws per unit.
	AL	Aluminum backplate for VR1/VR2; aluminum housing for VDC/VDS.
	ALDF	Aluminum door frame. Required for use with VRR DHL (drop Holophane® glass lens).
	DL	Damp location listing for VSL/VSLC.
	IHR	Internal horizontal reflector. Required for HID wall-mount units. For use with utilitarian products.
	IR	Internal vertical reflector. Required for HID wall-mount units. For use with utilitarian products.
	L/LP	Less lamp(s).
	LPI	Lamp(s) included.
	SCB	Surface conduit backbox. For use with VR1B/VR2B series. Replaces standard backbox. UL Listed for damp locations. May be ordered separately as an accessory.
	SCG	Surface conduit gaskets (one pair, not installed) for VSL/VSLC. Fixture maintains wet location listing.
	STS	Stainless steel housing, natural. Available with VDC/VDS.
	STSW	Stainless steel housing, white. Available with VDC/VDS and VW/WVC.
	TRS	Tamper-resistant screws. Stainless steel TORX® T20 screws with center reject pin.
	VGRDS	Decorative shroud. For use with round, deep-profile Gateway® units. Mounts over die-cast housing to cover surface conduit entries for a more aesthetically pleasing look. May be ordered separately as an accessory - VGRDS XXXX (must specify color).
	WL	Wet location.
	INTL	Available for MH probe start shipping outside the U.S.. Available with VR4CV & VRR
	IP64	Dust-tight and protected against water splashing in any direction. Available with VRR
ELECTRICAL	2/1	Two 1-lamp ballasts. Two lamps/two ballasts.
	DF	Double fuse. Use with 208V, 240V, 480V. Not available for multi-tap ballast. In-line fusing isolates luminaire from circuit. Externally accessible.
	DS	Dual switching. Two lamps/two ballasts. Requires two separate power inputs so each lamp/ballast combo operates as a separate system.
	EC	Emergency circuit. Factory-installed, double-contact, bayonet-base quartz socket with socket leads for use with separate external emergency power system.
	ELDW	Integral emergency battery system for fluorescent units. 750 lumens maximum.
	GLR	Internal fast-blow fusing.
	GMF	Internal slow-blow fusing.
	L/JB	Less junction box. For use with induction lighting system.
	NL	Incandescent night light. 7W maximum. Lamp included.
	NLCF	Compact fluorescent night light. 9W maximum. Lamp included.
	PE	Photoelectric cell (button type). Not available with multi-tap ballasts or 480V.
	QRS	Quartz restrike system. Factory-installed, double-contact, bayonet-based quartz socket with socket leads. Automatically switches 12V quartz lamp on if there is a power interruption or brownout significant enough to cause the primary HID lamp to drop out. The 120V quartz lamp stays on until the HID fixture restrikes. QRS does not energize during cold-start of HID luminaires or at end of life of HID lamp. Wiring of the quartz lamp is internal to the ballast assembly; the 120 volts required to operate the quartz lamp is supplied by the ballast. Wattage of the quartz lamp should not exceed that of the HID source. Maximum wattage lamp included.
	QRSTD	Quartz restrike system with time delay. Operates like QRS except auxiliary lamp remains on for two minutes after HID lamp expires.
	RIF1	Radio interference filter, one per fixture. For one filter per ballast, specify RIF2. Use with linear fluorescent units only.
	SF	Single fuse. Use with 120V, 277V, 347V. Not available for multi-tap ballasts. In-line fusing isolates luminaire from circuit. Externally accessible.
	SM1	Single medium-base incandescent socket. Use with VR4 100W and 150W incandescent.
	XT	Low-energy diode, extended lamp life. Use with incandescent units only.



PRODUCT INFORMATION

LAMP & BALLAST DATA					
FIXTURE	LAMP TYPE	WATTAGE	BALLAST	WEIGHT IN LBS.	LAMP BASE
VGR STEEL	Fluorescent	13W	Electromagnetic, NPF	8.5	GX23
VGR STEEL	Fluorescent	13W	Electronic, HPF	9.8	G24q-1
VGR STEEL	Fluorescent	18W	Electronic, HPF	9.8	G24q-2
VGR STEEL	Fluorescent	26W	Electronic, HPF	9.8	G/GX24q-3
VGR STEEL	Fluorescent	32W	Electronic, HPF	9.8	GX24q-3
VGR STEEL	Fluorescent	42W	Electronic, HPF	9.8	GX24q-4
VGO STEEL	Fluorescent	13W	Electromagnetic, NPF	8.5	GX23
VGO STEEL	Fluorescent	13W	Electronic, HPF	9.8	G24q-1
VGO STEEL	Fluorescent	18W	Electronic, HPF	9.8	G24q-2
VGO STEEL	Fluorescent	26W	Electronic, HPF	9.8	G/GX24q-3
VGO STEEL	Fluorescent	32W	Electronic, HPF	9.8	GX24q-3
VGR CAST	Fluorescent	13W	Electromagnetic, NPF	8.5	GX23
VGR CAST	Fluorescent	13W	Electronic, HPF	9.8	G24q-1
VGR CAST	Fluorescent	18W	Electronic, HPF	9.8	G24q-2
VGR CAST	Fluorescent	26W	Electronic, HPF	9.8	G/GX24q-3
VGR CAST	Fluorescent	32W	Electronic, HPF	9.8	GX24q-3
VGR CAST	Fluorescent	42W	Electronic, HPF	9.8	GX24q-4
VGR CAST	High pressure sodium	50W	HX-HPF	16.3	Medium
VGR CAST	High pressure sodium	70W	HX-HPF	12.8	Medium
VGR CAST	Metal halide	50W	HX-HPF	11.4	Medium
VGO CAST	Fluorescent	13W	Electromagnetic, NPF	8.5	GX23
VGO CAST	Fluorescent	13W	Electronic, HPF	9.8	G24q-1
VGO CAST	Fluorescent	18W	Electronic, HPF	9.8	G24q-2
VGO CAST	Fluorescent	26W	Electronic, HPF	9.8	G/GX24q-3
VGO CAST	Fluorescent	32W	Electronic, HPF	9.8	GX24q-3
VGO CAST	High pressure sodium	50W	HX-HPF	16.3	Medium
VGO CAST	Metal halide	50W	HX-HPF	11.4	Medium
VRR	Incandescent	150W		23.7	A211F
VRR	Fluorescent	9W	Electromagnetic, NPF	23.3	GX23
VRR	Fluorescent	13W	Electromagnetic, NPF	27.1	GX23
VRR	Fluorescent	13W	Electronic, HPF	27.1	G24q-1
VRR	Fluorescent	18W	Electronic, HPF	27.1	G24q-2
VRR	Fluorescent	26W	Electronic, HPF	25.35	G24-q
VRR	Fluorescent	32W	Electronic, HPF	25.35	GX24q-3
VRR	Fluorescent	42W	Electronic, HPF	25.35	GX24q-4
VRR	High pressure sodium	35W	R-HPF	26	Medium
VRR	High pressure sodium	50W	HX-HPF	28.95	Medium
VRR	High pressure sodium	70W	HX-HPF	27.88	Medium
VRR	High pressure sodium	100W	HX-HPF	26.88	Medium
VRR	High pressure sodium	150W	HX-HPF	32.5	Medium
VRR	Metal halide	50W	HX-HPF	28.35	Medium
VRR	Metal halide	70W	HX-HPF	30.75	Medium
VRR	Metal halide	100W	HX-HPF	30.75	Medium
VRR	Metal halide	150W	HX-HPF	30.75	Medium
VRR	Metal halide	150W	SCWA	31.35	Medium
VRR	Metal halide	175W	CWA	31.38	Mogul
VRR	Metal halide	175W	SCWA	32.18	Mogul
VR1-VR2	Incandescent	100W	N/A	2.4	A191F
VR1-VR2	Fluorescent	7W	Electromagnetic, NPF	5	G23
VR1C-VR2C	Fluorescent	13W	Electronic, HPF	5.45	G24q-1
VR1C-VR2C	Fluorescent	18W	Electronic, HPF	5.45	G24q-2
VR1C-VR2C	Fluorescent	26W	Electronic, HPF	5.75	G/GX24q-3
VR1C-VR2C	Fluorescent	32W	Electronic, HPF	5.75	GX24q-3
VR1C-VR2C	Fluorescent	42W	Electronic, HPF	5.75	GX24q-4
VR1C-VR2C	High pressure sodium	35W	R-NPF	5.75	Medium
VR1C-VR2C	High pressure sodium	50W	R-NPF	5.9	Medium

LAMP & BALLAST DATA					
FIXTURE	LAMP TYPE	WATTAGE	BALLAST	WEIGHT IN LBS.	LAMP BASE
VR1C-VR2C	Metal halide	50W	HX-HPF	6.6	Medium
VR1C-VR2C	Metal halide	50W	R-NPF	6.6	Medium
VR1B-VR2B	Fluorescent	7W	Electromagnetic, NPF	5	G23
VR1B-VR2B	Fluorescent	13W	Electronic, HPF	9.8	G24q-1
VR1B-VR2B	Fluorescent	26W	Electronic, HPF	9.8	G/GX24q-3
VR1B-VR2B	Fluorescent	32W	Electronic, HPF	9.8	GX24q-3
VR1B-VR2B STEEL	Fluorescent	7W	Electromagnetic, NPF	5	G23
VR1B-VR2B STEEL	Fluorescent	13W	Electronic, HPF	9.8	G24q-1
VR1B-VR2B STEEL	Fluorescent	26W	Electronic, HPF	9.8	G/GX24q-3
VR1B-VR2B STEEL	Fluorescent	32W	Electronic, HPF	9.8	GX24q-3
VR3C - VR4C	Fluorescent	13W	Electronic, HPF	8.5	G24q-1
VR3C - VR4C	Fluorescent	18W	Electronic, HPF	8.5	G24q-2
VR3C - VR4C	Fluorescent	26W	Electronic, HPF	8.5	G/GX24q-3
VR3C - VR4C	Fluorescent	32W	Electronic, HPF	8.5	GX24q-3
VR3C - VR4C	Fluorescent	42W	Electronic, HPF	8.5	GX24q-4
VR3C - VR4C	High pressure sodium	35W	R-NPF	13.65	Medium
VR3C - VR4C	High pressure sodium	50W	R-NPF	16.3	Medium
VR3C - VR4C	High pressure sodium	70W		12.8	Medium
VR3C - VR4C	High pressure sodium	100W		14.6	Medium
VR3C - VR4C	High pressure sodium	150W	R-NPF	11.45	Medium
VR3C - VR4C	Metal halide	50W	HX-HPF	11.4	Medium
VR3C - VR4C	Metal halide	70W	HX-HPF	12.8	Medium
VR3C - VR4C	Metal halide	100W	HX-HPF	14.95	Medium
VR4CV	Metal halide	150W	HX-HPF	15.85	Medium
VR4CV	Metal halide	150W	SCWA	16.45	Medium
VR4CV	Metal halide	175W	CWA	15.4	Medium
VR4CV	Metal halide	175W	SCWA	16.2	Medium

LAMP & BALLAST DATA					
FIXTURE	NUMBER OF LAMPS	LAMP TYPE	WIDTH IN INCHES (CM)	DEPTH IN INCHES (CM)	LENGTH IN INCHES (CM)
VRI	1, 2, 3 ¹	32, 54T5HO ³	7-5/8 (19.4)	4-3/4 (12.1)	50 (127.0)
VRI (DP option)	1, 2, 3 ¹	32, 54T5HO ³	7-5/8 (19.4)	5-5/8 (14.3)	50 (127.0)
VRI	1, 2	96T8HO	7-5/8 (19.4)	5-5/8 (14.3)	98 (248.9)
TVRI	1 ² , 2 ²	32, 48HO, 54T5HO ³	7-5/8 (19.4)	5-5/8 (14.3)	98 (248.9)
VSL	2	17	9-1/4 (23.5)	3-3/8 (8.6)	25-3/8 (64.5)
VSL	2	32	9-1/4 (23.5)	3-3/8 (8.6)	49-3/8 (125.4)
VSL	2	54T5HO	9-1/4 (23.5)	3-3/8 (8.6)	49-3/8 (125.4)
VSL	3	32	9-1/4 (23.5)	3-3/8 (8.6)	49-3/8 (125.4)
VSLC	1	17	5-3/8 (13.7)	3-3/8 (8.6)	25-3/8 (64.5)
VSLC	1	32	5-3/8 (13.7)	3-3/8 (8.6)	49-3/4 (126.4)
VDC	1, 2	28T5, 32, 48HO, 54T5HO	7-1/2 (19.1)	6-1/8 (15.6)	50-1/16 (127.3)
VDS	1, 2	28T5, 32, 48HO, 54T5HO	7-5/8 (19.4)	4-1/2 (11.4)	50-9/16 (128.6)
VW	2	32	8-3/8 (21.3)	3-1/4 (8.3)	49 (124.5)
VW	3	32	13-1/4 (33.7)	5 (12.7)	49 (124.5)
VW	4	32	13-1/4 (33.7)	3-3/8 (8.6)	49 (124.5)
2VW	2	32	13-1/4 (33.7)	3-3/8 (8.6)	49 (124.5)
VWC	1, 2	17	4-1/2 (11.4)	5-1/4 (13.3)	25-3/8 (64.5)
VWC		32	4-1/2 (11.4)	5-1/4 (13.3)	49-3/8 (125.4)
VRS (1X4)	1, 2, 3	32	12 (30.5)	3-3/4 (9.5)	48 (121.9)
2VRS (2X2)	1, 2	17, U31, U316	24 (61.0)	3-3/4 (9.5)	24 (61.0)
2VRS (2X2)	2, 3	17, U31	24 (61.0)	3-3/4 (9.5)	24 (61.0)
2VRS (2X4)	2, 3, 4, 6	32	24 (61.0)	3-3/4 (9.5)	48 (121.9)
VRT (1X4)	1, 2, 3	32	12 (30.5)	4-1/2 (11.4)	48 (121.9)
2VRT (2X2)	2	17, 20, U31, U316, CF40	24 (61.0)	24 (61.0)	3-3/4 (9.5)
2VRT (2X2)	3	17, 20, U31	24 (61.0)	24 (61.0)	3-3/4 (9.5)
2VRT (2X2)	4	17, 20, CF40	24 (61.0)	24 (61.0)	3-3/4 (9.5)
2VRT (2X4)	2, 3, 4, 6	32	24 (61.0)	48 (121.9)	3-3/4 (9.5)

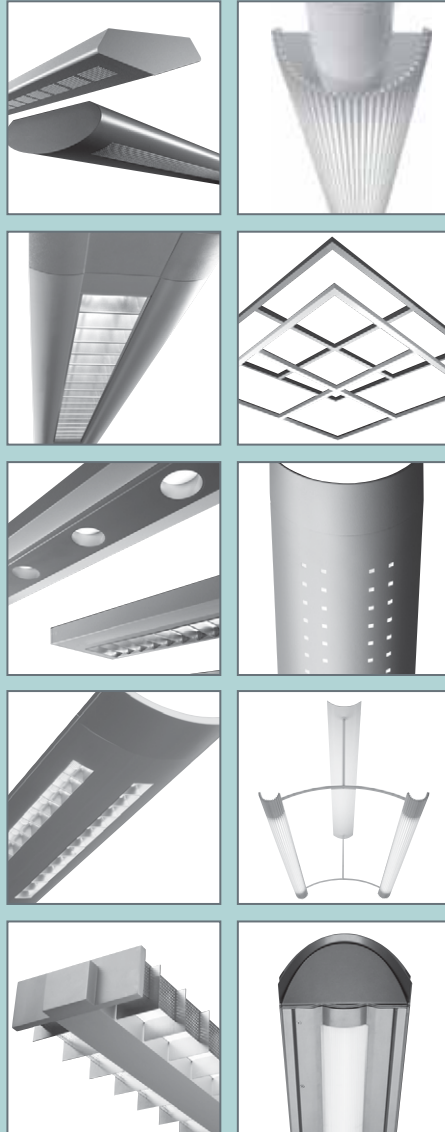
Notes

- 1 32W T8 only.
- 2 Number of lamps per cross section.
- 3 Two-lamp max. Must specify ACNS90 ballast.



PEERLESS

For generations the name Peerless has been synonymous with contemporary design and an extraordinary quality of illumination. Through our continuing research into how light influences a space and the people who inhabit it, Peerless products are engineered for superior results. Technologically advanced luminaires control and emit a soft, natural light, offering a refined balance of visual comfort, dimensionality and drama within an architectural setting.



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PRODUCT INFORMATION

CONTRAIL®

Linear



Construction
 Materials: Die-formed, pre-painted steel housing. Extruded aluminum fillers. Die-cast aluminum end caps. Highly specular aluminum end plates.

Finish: Low gloss, white polyester powder paint standard on fillers and end caps.

Fixture length: 4', 8' and 12' individual fixture sections for nominal suspension spacing of 4', 8' and 12'. Add 3-5/8" for each end cap to determine total Fixture length. Using

internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics
 Shielding: GrateOptic® curved crenulated diffuser of extruded opal acrylic.

Reflectors: Die-formed, highly specular aluminum reflector with a minimum of 98% reflectance.

ORDERING INFORMATION

Example: CLM9 2 28T5 COA 40FT R8 277 GEB10 ALC LP835 F1/12

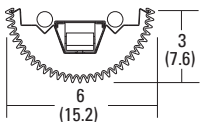
Series	Number of lamps	Lamp type	Shielding	Nominal row length ¹	Maximum section length	Voltage	Ballast	Number of emergency modules
CLM9	2	28T5 28W 4' T5 54T5HO 54W 4' T5HO	COA Crenulated opal acrylic	_FT	R4 4' R8 8' R12 12'	120 277 347	GEB10 <10% THD electronic ballast S5 Simply5™ ² ADEZ Advance® Mark 10® dimming ^{2,3} ECO10 LUTRON® ECO-10 dimming ² OSDIM OSRAM® 0-10V dimming ^{2,3} Reference Ballast Chart on website or consult factory for other options.	(blank) None 1SE 1 section 2SE 2 sections XSE X sections

Emergency	Switching	Lamp color	Options	Mounting/Overall suspension	Mounting accessories
(blank) None	SCT Single circuit	L/LP No lamp	DL Damp location label	Mounting	ACG Adjustable cable grippers
EL Emergency battery pack ⁴	DCT Dual circuit ⁵	LP830 3000K 80+ CRI LP835 3500K 80+ CRI LP841 4100K 80+ CRI	ELH EM through-wire with separate feed	F1/ T-bar ceiling (universal mounting bracket)	CP Chicago plenum
EC Emergency/night-light circuit	ALC Alternate lamping module circuit ²	LP830P 3000K 80+ CRI premier ⁶ LP835P 3500K 80+ CRI premier ⁶ LP841P 4100K 80+ CRI premier ⁶ Reference Lamp Chart on website or consult factory for other options.	ELS EM through-wire with single feed	F1A/ T-bar ceiling (UMB with integrated J-Box)	MCS Matching feed canopy at support
EN Emergency battery pack with night light circuit ⁴			ELS2 Normal feed w/EM separate neutral (dual-feed cord)	F2/ Hard ceiling (horizontal J-Box)	OJB Offset J-box at feed location
			GLR Fusing (fast blow) GMF Fusing (slow blow)	F4A/ Grid ceiling IDS 15/16"	
				F4B/ Grid ceiling IDS 9/16"	
				F4C/ Grid ceiling IDS clip screw slot	
				Overall suspension	
				12 12"	
				15 15"	
				18 18"	
				21 21"	
				24 24"	
				XX XX"	

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Must be in 4' increments.
- Not available in 347V.
- Not available with 28T5 lamp type.
- Option EL or EN (battery pack) is: a) not permitted with some dimming in the same row (consult factory); b) not permitted in a 4ft section; c) limited to one battery pack per section.
- For energy savings, in order to maintain the uniform, luminous aesthetic of the lens, SCT (single circuit) paired with dimming, Simply5™ or ALC (alternate lamping module circuit) is recommended over DCT (dual circuit).
- T5 only.

CONTRAIL®

Parallels



Construction
Materials: Die-formed, pre-painted steel recessed housing. Extruded aluminum surface-mounted housing. Extruded aluminum fixed-length suspension yokes.

Finish: Satin anodized finish on suspension yokes. Low gloss, white polyester powder paint standard on surface-mounted housing.

Fixture length: 4' and 5' individual fixture sections available. Overall Fixture lengths are 4'9" and 5'9"

respectively. Fixtures mount to 4' grid or specify surface-mounted option.

Optics
Shielding: GrateOptic® curved crenulated diffuser of extruded opal acrylic with opaque painted ends.

Reflectors: Die-formed, specular aluminum reflectors.

ORDERING INFORMATION

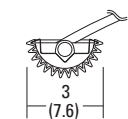
Example: PLM9 G 2 54T5HO U4 277 GEB80S SCT LP830

Series	Ceiling type	Number of lamps	Lamp type	Nominal row length	Voltage	Ballast	
PLM9	G Lay-in grid	2	54T5HO 54W 4' T5HO	U4 4'	120	GEB10 <10% THD electronic ballast	ECO10 LUTRON® ECO-10 dimming ⁴
	S Surface mount		80T5HO 80W 5' T5HO	U5 5'	277	GEB95 <10% THD, 0.95 BF ^{2,4}	DMHL LUTRON® Hi-lume™ (T5HO only) ^{3,4}
			28T5 28W 4' T5		347 ¹	GEB115 <10% THD, 1.15 BF ^{2,4}	OSDIM OSRAM® 0-10V dimming ^{3,4}
						GEB80 <10% THD, 0.8 BF ^{3,4}	Reference Ballast Chart on website or consult factory for other options.
						GEB95S <10% THD, 0.95 BF, step dimming ^{2,4}	
						GEB80S <10% THD, 0.8 BF, step dimming ^{3,4}	
						GEB115S <10% THD, 1.15 BF ^{2,4}	
Switching		Lamp color		Options		Mounting accessories	
SCT	Single circuit	L/LP	No lamp	DL	Damp location label	CP	Chicago plenum
		LP830	3000K 80+ CRI	GLR	Fusing (fast blow)		
		LP835	3500K 80+ CRI	GMF	Fusing (slow blow)		
		LP841	4100K 80+ CRI	NYC	New York City code		
		LP830P	3000K 80+ CRI premier lamp ²				
		LP835P	3500K 80+ CRI premier lamp ²				
		LP841P	4100K 80+ CRI premier lamp ²				
		Reference Lamp Chart on website or consult factory for other options.					

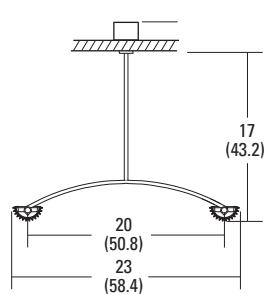
ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

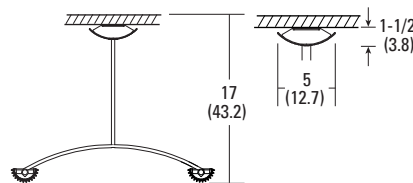
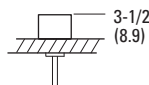
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PLM9
(1) Lamp per diffuser



PLM9 G (Lay-in grid mount)



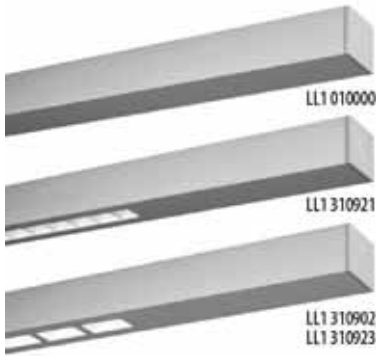
PLM9 S (Surface mount)

Notes

- GEB10 ballast only; 54T5HO only.
- 28T5 only.
- 54T5HO only.
- Not available in 347V.

LIGHTLINE®

Indirect



Construction

Materials: Extruded aluminum housing. Die-cast aluminum end cap.

Finish: Satin anodized standard with custom colors available. End caps painted to match (C110 aluminum paint with satin anodized finish).

Fixture length: 4', 8' and 12' individual fixture sections for nominal suspension spacing of 4', 8' and 12'. With the exception of Indirect (010000), 4' sections with T5 or T5HO lamping are only

available when used in a configuration with 8' or 12' sections. Add 1/2" for each end cap to determine total Fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics

Shielding: Parabolic semi-specular aluminum louvers on Indirect/Direct (310921). Perforated steel overlay on Indirect/Open (310923). VisorOptic™ opal acrylic diffuser on Lightvent™ (310902) with T5 or T5HO lamping.

Reflectors: Die-formed hammer-tone specular aluminum and pre-painted white steel.

ORDERING INFORMATION

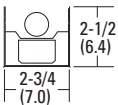
Example: LL1 010000 T8 12FT R12 120 GEB10 SCT LP730 C100 F1/24

Series	Shielding	Lamp type	Nominal row length ¹	Maximum section length	Voltage	Ballast	Number of emergency modules	Emergency	Switching	
LL1	010000 Indirect	T8	_FT	R4 4' ²	120	GEB <20% THD electronic ballast (T8 only)	(blank) None	(blank) None	SCT Single circuit	
	310902 Lightvent™	T5		R8 8'	277	GEB10 <10% THD electronic ballast	1SE 1 section	EL Emergency battery pack ⁶		
	310923 Indirect / open	T5HO		R12 12'	347	SS SIMPLY™ ^{3,5}	2SE 2 sections	EC Emergency circuit ⁷		
	310921 Indirect / direct					ADEZ Advance® Mark 10® dimming ^{3,4} ADZT Advance® Mark 7® 0-10V dimming ^{3,4} ECO10 LUTRON® ECO-10 dimming ³ DMHL LUTRON® Hi-lume™ (FDB) ^{3,4,5} OSDIM OSRAM® 0-10V dimming ^{3,4,5}	XSE X sections	EN Emergency battery pack with night-light ⁶		
						Reference Ballast Chart on website or consult factory for other options.				
Lamp color			Finish		Options		Mounting/Overall suspension		Mounting accessories	
L/LP	No lamp	LP830P	3000K 80+ CRI premier lamp ⁹	C100	Satin anodized finish	CFG Configuration	Mounting	Overall suspension	ACG	Adjustable cable grippers
LP730	3000K 70+ CRI ⁸	LP835P	3500K 80+ CRI premier lamp ⁹	C110	Painted silver to match anodized aluminum finish	DL Damp location label	F1/ T-bar ceiling (universal mounting bracket)	12 12"	CP	Chicago plenum
LP735	3500K 70+ CRI ⁸	LP841P	4100K 80+ CRI premier lamp ⁹	C200	Standard white (low gloss)	ELH EM through-wire with separate feed	F1A/ T-bar ceiling (UMB with integrated J-box)	15 15"	MCS	Matching feed canopy at support
LP741	4100K 70+ CRI ⁸	Reference Lamp Chart on website or consult factory for other options.		C005	Soft white (low gloss)	ELS EM through-wire with single feed	F2/ Hard ceiling horizontal J-box	18 18"	OJB	Offset J-box at feed location
LP830	3000K 80+ CRI			C032	White white (gloss)	ELS2 Normal feed w/EM separate neutral (dual-feed cord)	F4A/ IDS clip 15/16" tee	21 21"		
LP835	3500K 80+ CRI			C041	White white (low gloss)	GLR Fusing (fast blow)	F4B/ IDS clip 9/16" tee	24 24"		
LP841	4100K 80+ CRI			C099	Custom color (consult factory)	GMF Fusing (slow blow)	F4C/ IDS clip screw slot	XX XX"		
						NYC New York City code				

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Must be in 4' increments.
- With the exception of Indirect (010000), 4' sections with T5 or T5HO lamping are only available when used in a configuration with 8' or 12' sections.
- Not available in 347V.
- Not available with 28T5 lamp type.
- Not available with 32T8.
- Only available on LL1 010000.
- R4 & R8 with T8 only.
- T8 only.
- T5 only.

LIGHTLINE®

Indirect Wall

Construction

Materials: Extruded aluminum housing. Die-cast aluminum end cap.

Finish: Satin anodized standard; custom colors available. End caps painted to match (C110 aluminum paint with satin anodized finish).

Fixture length: 4', 8' and 12' individual fixture sections. Add 1/2" for each end cap to determine total Fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics

Reflectors: Die-formed ham-mertone specular aluminum and pre-painted white steel.



ORDERING INFORMATION

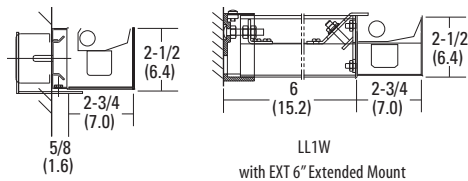
Example: LL1W0 10012 T5 8FT R8 120 GEB10 SCT LP830 C100

Series	Shielding	Lamp type	Nominal row length ¹	Maximum section length	Voltage	Ballast	Number of emergency modules	Emergency	Switching
LL1W	010012	T5 T5HO	_FT	R4 4'	120	GEB10 <10% THD electronic ballast	(blank) None	(blank) None	SCT Single circuit
				R8 8'	277	S5 SIMPLY5™ 2	1SE 1 section	EL Emergency battery pack	
				R12 12'	347 ³	ADEZ Advance® Mark 10® dimming ^{2,3}	2SE 2 sections	EC Emergency circuit	
				ECO10 LUTRON® ECO-10 dimming ²	XSE X sections	EN Emergency battery pack w/night-light			
				DMHL LUTRON® Hi-lume™ (FDB) ^{2,3}					
				ADZT Advance® Mark 7® (0-10V) ^{2,3}					
				OSDIM OSRAM® 0-10V dimming ^{2,3,5}					
Reference Ballast Chart on website or consult factory for other options.									
Lamp color			Finish			Options			Mounting accessories
L/LP	No Lamp		C100	Satin anodized finish	CFG	Configuration	EXT	6" extended mount	
LP830	3000K 80+ CRI		C110	Painted silver to match anodized aluminum finish	DL	Damp location label			
LP835	3500K 80+ CRI		C200	Standard white (low gloss)	DU	Dust cover			
LP841	4100K 80+ CRI		C005	Soft white (low gloss)	GLR	Fusing (fast blow)			
LP830P	3000K 80+ CRI premier lamp ⁴		C032	White white (gloss)	GMF	Fusing (slow blow)			
LP835P	3500K 80+ CRI premier lamp ⁴		C041	White white (low gloss)	ELH	EM through-wire with separate feed			
LP841P	4100K 80+ CRI premier lamp ⁴		C099	Custom color (consult factory)	ELS	EM through-wire with single feed			
Reference Lamp Chart on website or consult factory for other options.					ELS2	Normal feed w/EM separate neutral			
					NYC	New York City code			

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Must be in 4' increments.
- 2 Not available with 347V.
- 3 Not available with 2875.
- 4 T5 only.
- 5 Not available with 3278.

PRODUCT INFORMATION

PENDANT/SURFACE

LIGHTLINE®

Direct



Construction

Materials: Extruded aluminum housing. Die-cast aluminum end cap.

Finish: Satin anodized standard; custom colors available. End caps painted to match (C110 aluminum paint with satin anodized finish).

Fixture length: 4', 8' and 12' individual fixture sections for nominal suspension spacing of 4', 8' and 12'. Add 7/8" for each end cap to determine total Fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics

Shielding: Parabolic semi-specular aluminum louvers on LLMS and LLMA.

Reflectors: Specular aluminum and pre-painted white steel. Black perforated steel.

ORDERING INFORMATION

Example: LLMW 1 54T5HO 12FT R12 120 GEB10 SCT LP835 C041 F1/24

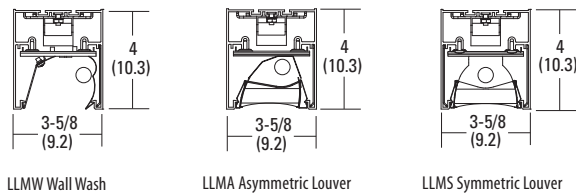
Series	Mounting method	Number of lamps	Lamp type	Baffle ²	Nominal row length ³	Maximum section length	Voltage	Ballast	Number of emergency modules	Emergency
LLMW	Wall wash	(blank) Suspended	1	54T5HO 54WT5HO	SSB	4'	120	GEB	(blank) None	(blank) None
LLMA	Asymmetric baffle	S Surface mount	28T5 28W T5	Semi-specular baffle	_FT	8'	277	GEB10	1SE 1 section	EL Emergency battery pack
LLMS	Symmetric baffle		32 32W T8 ¹	WPB White painted baffle		12'	347	GEB10	2SE 2 sections	EC Emergency night-light circuit
								S5 SIMPLY TM 4,6	XSE X sections	EN Emergency battery pack with night-light circuit
								ADEZ Advance® Mark 10® dimming ^{4,5}		
								ADZT Advance® Mark 7® 0-10V dimming ^{4,5}		
								ECO10 LUTRON® ECO-10 dimming ⁴		
								OSDIM OSRAM® 0-10V dimming ^{4,5,6}		
								Reference Ballast Chart on website or consult factory for other options		

Switching	Lamp color	Finish	Options	Mounting/Overall suspension	Mounting accessories	
SCT Single circuit	L/LP No lamp LP730 3000K 70+ CRI ⁷ LP735 3500K 70+ CRI ⁷ LP741 4100K 70+ CRI ⁷ LP830 3000K 80+ CRI LP835 3500K 80+ CRI LP841 4100K 80+ CRI	C100 Satin anodized finish C041 White white (low gloss) C099 Custom color (consult factory)	DL Damp location label ELH EM through-wire with separate feed ELS EM through-wire with single feed ELS2 Normal feed w/EM separate neutral (dual-feed cord) GMF Fusing (fast blow) GLR Fusing (slow blow) NYC New York City code	Mounting (blank) Surface mount F1/ T-bar ceiling (universal mounting bracket) F1A/ T-bar ceiling (UMB with integrated J-box) F2 Hard ceiling (horizontal J-box) F4A IDS clip 15/16" tee F4B IDS clip 9/16" tee F4C IDS clip screw slot	Overall suspension (blank) Surface mount 12 12" 15 15" 18 18" 21 21" 24 24" XX XX"	ACG Adjustable cable grippers CP Chicago plenum MCS Matching feed canopy at support OJB Offset J-box at feed location

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- T8 available only with LLMA.
- LLMA and LLMS only.
- Must be in 4' increments.
- Not available in 347V.
- Not available with 28T5.
- Not available with 32T8.
- T8 only.
- T5 only.

LIGHTLINE®

Direct Wall



Construction

Materials: Extruded aluminum housing. Die-cast aluminum end cap.

Finish: Satin anodized standard; custom colors available. End caps painted to match (C110 aluminum paint with satin anodized finish).

Fixture length: 2', 3', 4', 8' and 12' individual fixture sections. Add 7/8" for each end cap to determine total Fixture length. Using internal joiners, 2', 3', 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics

Shielding: Parabolic semi-specular aluminum louvers or white painted louvers on LLWS and LLWA.

Reflectors: Specular aluminum and black perforated steel on LLWW.

ORDERING INFORMATION

Example: LLWW D 1 54T5HO 12FT R12 120 ADEZ SCT LP830 C200

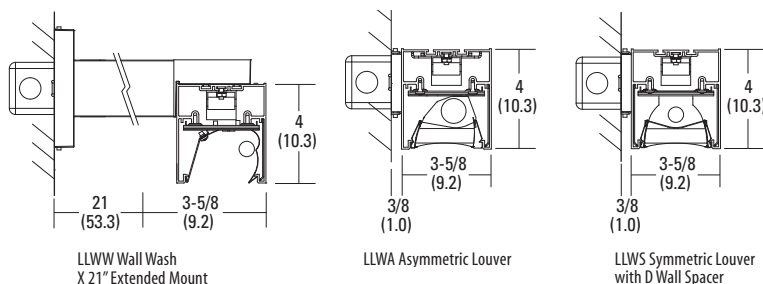
Series	Mounting	Number of lamps	Lamp type	Baffle ²	Nominal row length	Maximum section length	Voltage
LLWW Wall wash	D Wall spacer	1	54T5HO 4' 54W T5HO	SSB Semi-specular baffle	_FT	R2 2'	120
LLWA Asymmetric baffle	X 21" Extended arm mount		39T5HO 3' 39W T5HO	WPB White painted baffle		R3 3'	277
LLWS Symmetric baffle			24T5HO 2' 24W T5HO			R4 4'	347
			28T5 4' 28W T5			R8 8'	
			21T5 3' 21W T5			R12 12'	
			14T5 2' 14W T5				
			32 4' 32W T8 ¹				
			25 3' 25W T8 ¹				
			17 2' 17W T8 ¹				

Ballast	Number of emergency modules	Emergency	Switching	Lamp color	Finish	Options
GEB <20% THD electronic ballast (T8 only)	(blank) None	(blank) None	SCT	L/LP No lamp	LP830P 3000K 80+ CRI premier lamp ⁹	DL Damp location label
GEB10 <10% THD ballast	1SE 1 section	EL Emergency battery pack ⁷		LP730 3000K 70+ CRI ⁸	LP835P 3500K 80+ CRI premier lamp ⁹	ELH EM through-wire with separate feed
S5 SIMPLY5™ 3,4	2SE 2 sections	EC Emergency/night-light circuit		LP735 3500K 70+ CRI ⁸	LP841P 4100K 80+ CRI premier lamp ⁹	ELS EM through-wire with single feed
ADEZ Advance® Mark 10® dimming 3,5,6	XSE X sections	EN Emergency battery pack with night-light circuit ⁷		LP741 4100K 70+ CRI ⁸	Reference Lamp Chart on website or consult factory for other options.	ELS2 Normal feed w/EM separate neutral
ADZT Advance® Mark 7® 0-10V dimming 3,5,6				LP830 3000K 80+ CRI		GLR Fusing (fast blow)
ECO10 LUTRON® ECO-10 dimming 3,4,5				LP835 3500K 80+ CRI		GMF Fusing (slow blow)
OSDIM OSRAM® 0-10V dimming 3,4,6				LP841 4100K 80+ CRI		NYC New York City code
Reference Ballast Chart on website or consult factory for other options.						

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 LLWA only.
- 2 LLWA and LLWS only.
- 3 Not available in 347V.
- 4 28T5 and 54T5HO only.
- 5 Available with 4' 32W T8 lamp type only.
- 6 Available with 4' 54W T5HO lamp type only.
- 7 Not available with R2 or R3.
- 8 T8 only.
- 9 T5 only.

PRODUCT INFORMATION

LIGHTLINE®

Wall Wash



Construction

Housing: Nominal 2" aperture; 2' and 4' lengths available. Housing is die-formed, pre-painted steel.

Finish: Black low-gloss standard; white low-gloss also available.

Optics

Reflector: Specular aluminum and black, perforated steel.

Electrical

Lamps: 14W T5, 28W T5, 24W T5HO or 54W T5HO.

Ballast: See ballast options in Ordering Information.

Installation

Mounting: Lay-in grid ceiling. Flange kit option available for drywall.

Listings

Certification: UL and CUL Listed.

ORDERING INFORMATION

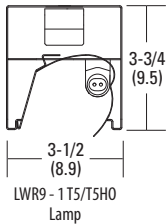
Example: LWR9 G 1 54T5HO HOL U4 120 GEB10 C200

Series	Ceiling type	Number of lamps	Lamp type	Shielding	Length	Voltage	Ballast
LWR9 Lightline wall wash	G Lay-in grid	1	24T5HO 2' 24W T5HO 54T5HO 4' 54W T5HO 14T5 2' 14W T5 28T5 4' 28W T5	HOL Black perforated reflector (standard)	U2 2' U4 4'	120 277 347	GEB10 <10% THD electronic ballast ADEZ Advance® Mark 10® dimming ^{1,2} ADZT Advance® Mark 7®(0-10V) dimming ^{1,2} DMHL LUTRON® Hi-Lume™ dimming ^{1,2} ECO10 LUTRON® ECO-10 dimming ¹ OSDIM OSRAM® 0-10V dimming ^{1,2} Consult factory for other ballast options.
Emergency			Finish		Options		
(blank) None			C200 White (low-gloss)		FLNG Flange kit (drywall only)		
EL Emergency battery pack ³			C201 Black (low-gloss); standard				

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

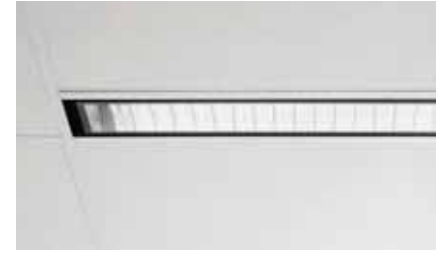


Notes

- ¹ Not available in 347V.
- ² Not available with 14T5, 28T5 or 24T5HO lamps.
- ³ Available only with 28T5 and 54T5HO.

LIGHTLINE®

Symmetric



Construction

Housing: Nominal 2-1/2" aperture; 2' and 4' lengths available. Housing is die-formed, pre-painted steel.

Finish: Black low-gloss standard; white low-gloss also available.

Optics

Shielding: Parabolic semi-specular aluminum louver.

Reflectors: Die-formed, pre-painted white steel.

Electrical

Lamps: 14W T5, 28W T5, 24W T5HO or 54W T5HO.

Ballast: See ballast options in Ordering Information.

Installation

Mounting: Lay-in grid ceiling. Flange kit option available for drywall.

Listings

Certification: UL and CUL Listed.

ORDERING INFORMATION

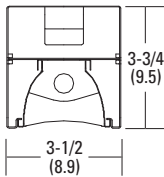
Example: LSR9 G 1 54T5HO LDL U2 120 GEB10 C201

Series	Ceiling type	Number of lamps	Lamp type	Baffle	Length	Voltage	Ballast
LSR9 Lightline symmetric	G Lay-in grid	1	24T5HO 2' 24W T5HO	LDL Low-iridescent louver	U2 2'	120	GEB10 <10% THD electronic ballast
			54T5HO 4' 54W T5HO		U4 4'	277	ADEZ Advance® Mark 10® dimming ^{1,2}
			14T5 2' 14W T5			347	ADZT Advance® Mark 7®(0-10V) dimming ^{1,2}
			28T5 4' 28W T5				DMHL LUTRON® Hi-Lume™ dimming ^{1,2}
							ECO10 LUTRON® ECO-10 dimming ¹
							OSDIM OSRAM® 0-10V dimming ^{1,2}
							Consult factory for other ballast options.
Emergency			Finish		Options		
(blank) None			C200 White (low-gloss)				FLNG Flange kit (drywall only)
EL Emergency battery pack ³			C201 Black (low-gloss); standard				

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

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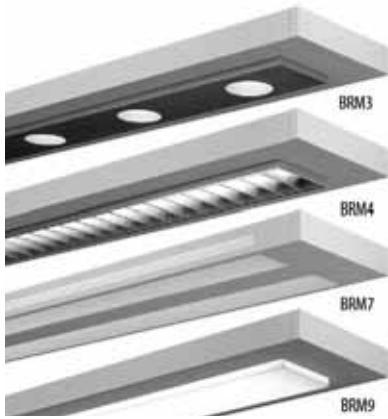


LSR9 - 1 T5/T5HO

Notes

- 1 Not available in 347V.
- 2 Not available with 14T5, 28T5 or 24T5HO lamps.
- 3 Available only with 28T5 and 54T5HO.

BRUNO



Construction

Materials: Die-formed, cold-rolled steel housing. Die-cast aluminum flat or sculptured end cap.

Finish: Fine-textured white polyester powder paint standard; custom colors available. Aluminum drop pan on BRM3 holes always painted C110 aluminum.

Fixture length: 4'-3/8" and 8' individual fixture sections for nominal suspension spacing of 4' and 8'. Add 5/8" for each standard end cap or 4" for each optional sculptured

end cap to determine total Fixture length. Using internal joiners, 4' and 8' sections can be joined to form longer-length fixtures.

Optics

Shielding: Die-formed aluminum drop pan with optional opal diffuser overlay on BRM3. Parabolic semi-specular aluminum louvers on BRM4. Perforated steel housing on BRM7. Die-formed acrylic diffuser on BRM9.

Reflectors: Die-formed specular aluminum.



ORDERING INFORMATION

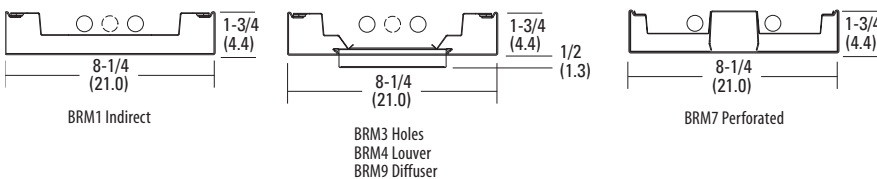
Example: BRM1 2 54T5HO SPR 40FT R8 120 GEB10 SCT LP830 C210 F1/12

Series	Number of lamps	Lamp type	Distribution	Reflector	Shielding ³	Baffle ⁴	Nominal row length ⁵	Maximum section length	Voltage	Ballast
BRM1	Indirect	1 54T5HO 54W T5HO	(blank) 65% up, 35% down	SPR Specular reflector	(blank) None	SSB Semi specular baffle	_FT	R4 4'	120	GEB <20% THD electronic ballast (T8 only)
BRM3	Indirect/open holes	2 28T5 28W T5	20/80 20% up, 80% down		OPD Opal diffuser	WPB White painted baffle		R8 8'	277	GEB10 <10% THD electronic ballast
BRM4	Indirect/direct louver	3 32 32W T8	40/60 40% up, 60% down					R12 12'	347	S5 SIMPLY5™ 7,8 ADZT Advance® Mark 7® 0-10V dimming ^{6,7}
BRM7	Open partially perforated ¹		0/100 0% up, 100% down							CCR (2) 1.18BF/(1) .88BF ⁹
BRM9	Open diffuser		CLI Center lamp isolater ²							ECO10 LUTRON® ECO-10 dimming ⁷ OSPSX OSRAM® .71BF (T8 only) Reference Ballast Chart on website or consult factory for other options.

Number of emergency modules	Emergency	Switching	Lamp color	Finish ¹²	Options	Mounting/Overall suspension	Mounting accessories
(blank) None	(blank) None	SCT Single circuit	L/LP No lamp	C110 Painted silver to match aluminum finish	DL Damp location label	Mounting F1/ T-bar ceiling (universal mounting bracket)	ACG Adjustable cable grippers (standard)
1SE 1 section	EL Emergency battery pack	DCT Dual circuit	LP730 3000K 70+ CRI ¹⁰	C210 White (fine-textured low gloss)	DU Dust cover	F1A/ T-bar ceiling (UMB with integrated J-box)	CP Chicago plenum (F1A)
2SE 2 sections	EC Emergency/night-light circuit		LP735 3500K 70+ CRI ¹⁰	C099 Custom color (consult factory)	ELH EM through-wire w/ separate feed	F2/ Hard ceiling (horizontal J-box)	MCS Matching feed canopy at support
XSE X sections	EN Emergency battery pack with night-light circuit		LP741 4100K 70+ CRI ¹⁰		ELS EM through-wire w/ single feed	F4A/ Grid ceiling IDS 15/16"	OJB Offset J-box at feed location
			LP830 3000K 80+ CRI		ELS2 Normal feed w/EM separate neutral	F4B/ Grid ceiling IDS 15/16"	
			LP835 3500K 80+ CRI		GLR Fusing (fast blow)	F4C/ Grid ceiling IDS screw slot	
			LP841 4100K 80+ CRI		GMF Fusing (slow blow)		
					NYC New York City code		
					SCEP Sculptured end cap		

ADDITIONAL INFORMATION For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- BRM7 available in 2 lamp only.
- Available with BRM4 3 lamp only.
- BRM4 only.
- BRM3 and BRM4 only.
- Must be in 4' increments.
- Not available with 28T5.
- Not available in 347V.
- Not available with 32T8.
- Only use with BRM4, 3-lamp, T8 and CLI.
- T8 only.
- T5 only (not 54T5HO).
- On BRM3, drop pan with holes always C110 painted aluminum finish.

BRUNO WALL

Construction

Materials: Die-formed, cold-rolled steel housing. Die-cast aluminum flat or sculptured end cap.

Finish: Fine-textured white polyester powder paint standard; custom colors available. Aluminum drop pan on BRW3 holes always painted C110 aluminum.

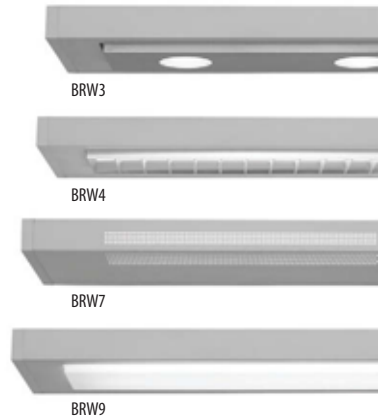
Fixture length: 4'-3/8" and 8' individual fixture sections. Add 5/8" for each standard end cap or 4" for each optional sculptured end cap to determine total Fixture length.

Using internal joiners, 4' and 8' sections can be joined to form longer-length fixtures.

Optics

Shielding: Die-formed aluminum drop pan with optional opal diffuser overlay on BRW3. Parabolic semi-specular aluminum louvers on BRW4. Perforated steel housing on BRW7. Die-formed acrylic diffuser on BRW9.

Reflectors: Die-formed specular aluminum.



ORDERING INFORMATION

Example: BRW1 2 54T5HO SPR 40FT R8 120 GEB10 2SE SCT LP835 C110 SCEP

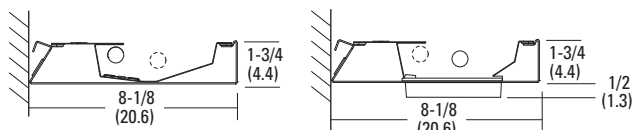
Series	Number of lamps	Lamp type	Reflector	Shielding ¹	Nominal row length ³	Maximum section length	Voltage	Ballast	Number of emergency modules
BRW1 Indirect	1	54T5HO 54W T5HO	SPR Specular reflector	(blank) None	_FT	R4 4'	120	GEB <20% THD electronic ballast (T8 only)	(blank) None
BRW3 Indirect/open holes	2	28T5 28W T5		OPD Opal diffuser ²		R8 8'	277	GEB10 <10% THD electronic ballast	1SE 1 section
BRW4 Indirect louver		32 32W T8				R12 12'	347	S5 SIMPLY5™ 4,5	2SE 2 sections
BRW7 Indirect partially perforated								ADEZ Advance® Mark 10® dimming ^{5,6}	XSE X sections
BRW9 Indirect diffuser								ECO10 LUTRON® ECO-10 dimming ⁵	
								OSDIM OSRAM® 0-10V dimming ^{4,5,6}	
									Reference Ballast Chart on website or consult factory for other options.

Emergency	Switching	Lamp color	Finish	Options
(blank) None	SCT Single circuit	L/LP No lamp	C110 Painted silver to match aluminum finish	DL Damp location label
EL Emergency battery pack	DCT Dual circuit	LP730 3000K 70+ CRI ⁷	C210 White white (fine-textured low gloss)	DU Dust cover
EC Emergency/night-light circuit		LP735 3500K 70+ CRI ⁷	C099 Custom color (consult factory)	ELH EM through-wire w/ separate feed
EN Emergency battery pack with night-light circuit		LP741 4100K 70+ CRI ⁷		ELS EM through-wire w/ single feed
		LP830 3000K 80+ CRI		ELS2 Normal feed w/EM separate neutral
		LP835 3500K 80+ CRI		GLR Fusing (fast blow)
		LP841 4100K 80+ CRI		GMF Fusing (slow blow)
		LP830P 3000K 80+ CRI premier lamp ⁸		NYC New York City code
		LP835P 3500K 80+ CRI premier lamp ⁸		SCEP Sculptured end cap
		LP841P 4100K 80+ CRI premier lamp ⁸		
Reference Lamp Chart on website or consult factory for other options.				

ADDITIONAL INFORMATION

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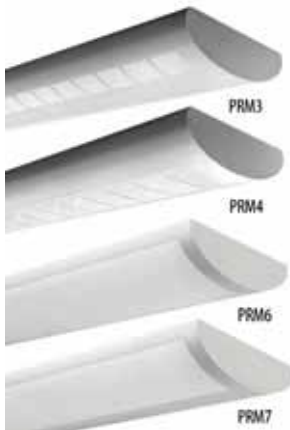
BRW1 Indirect
BRW7 Perforated

BRW3 Holes
BRW4 Louver
BRW9 Diffuser

Notes

- BRW3 and BRW4 only.
- OPD standard with T5/T5HO; optional with 32T8.
- Must be in 4' increments.
- Not available with 32T8.
- Not available in 347V.
- Not available with 28T5.
- T8 only.
- T5 only.

PRIMA®



Construction

Materials: Die-formed, cold-rolled steel housing. Flat steel end plate.

Finish: Fine-textured white polyester powder paint standard; custom colors available.

Fixture length: 4', 8' and 12' lengths in a single section for exact suspension spacing of 4', 8' and 12'. Add 1/16" for each end plate to determine total Fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics

Shielding: Partially perforated windows on PRM3. Parabolic semi-specular or white painted aluminum louvers on PRM4 and optional opal acrylic overlay with T5 or T5H0. Fully perforated steel housing on PRM6. Partially perforated housing on PRM7.

Reflectors: Die-formed pre-painted white steel or specular aluminum.

ORDERING INFORMATION

Example: PRM1 1 32 WHR 40FT R12 120 GEB10 2SE EL SCT LP735 C518 F1/24

Series	Number of lamps	Lamp type ¹	Reflector	VDR ²	Shielding ²	Baffle ²	Nominal row length ³	Maximum section length	Voltage	Ballast
PRM1 Indirect	1	32 32W T8	WHR White reflector (standard)	(blank) None	(blank) None	SSB Semi-specular baffle	_FT	R4 4'	120	GEB <20% THD electronic ballast (T8 only)
PRM3 Lightvent™	2	28T5 28W T5	CLI Center lamp isolator	OPD Opal diffuser (standard for T5/T5H0)	WPB White baffle			R8 8'	277	GEB10 <10% THD electronic ballast
PRM4 Indirect/direct	3	54T5H0 54W T5H0	SPR Specular reflector					R12 12'	347	S5 SIMPLY5™ 4,7 CCR (2) 1.18BF/(1) .88BF ⁵ ADZT Advance® Mark 7® 0-10V dimming ^{4,5} ECO10 LUTRON® ECO-10 dimming ⁴ OSPSX OSRAM® .71BF (T8 only) ⁸
PRM6 Fully perforated	4									Reference Ballast Chart on website or consult factory for other options.
PRM7 Partially perforated										

Number of emergency modules	Emergency	Switching	Lamp color	Finish	Options	Mounting/Overall suspension	Mounting accessories
(blank) None	(blank) None	SCT Single circuit	L/LP No lamp	LP830P 3000K	DL Damp location label	Mounting	ACG Adjustable cable grippers (standard)
1SE 1 section	EL Emergency battery pack	DCT Dual circuit	LP730 3000K 70+ CRI ⁸	LP835P 3500K 80+ CRI premier lamp ⁹	DU Dust cover	F1/ T-bar ceiling (universal mounting bracket)	12 12"
2SE 2 sections	EC Emergency/night-light circuit		LP735 3500K 70+ CRI ⁸	LP841P 4100K 80+ CRI premier lamp ⁹	ELH EM through-wire w/ separate feed	F1A/ T-bar ceiling (UMB with integrated J-box)	15 15"
XSE X sections	EN Emergency battery pack with night-light circuit		LP741 4100K 70+ CRI ⁸	Reference Lamp Chart on website or consult factory for other options.	ELS EM through-wire w/ single feed	F2/ Hard ceiling (horizontal J-box)	18 18"
			LP830 3000K 80+ CRI		ELS2 Normal feed w/ EM separate neutral (dual-feed cord)	F3/ Rigid stem	21 21"
			LP835 3500K 80+ CRI		GLR Fusing (fast blow)	F4A/ IDS clip 15/16" tee	24 24"
			LP841 4100K 80+ CRI		GMF Fusing (slow blow)	F4B/ IDS clip 9/16" tee	XX XX"
					NYC New York City code	F4C/ IDS clip screw slot	MCS Matching feed canopy at support OBJ Offset J-box at feed location

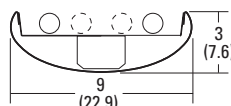
ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

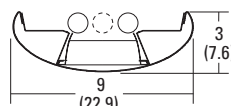
CONFIGURATIONS

SERIES	NUMBER OF LAMPS	LAMP TYPE
PRM1	1, 2, 3, 4	T8
PRM3, PRM7	2, 3, 4	T8
PRM4	1, 2, 3	T5, T5H0, T8
PRM6	2	T8

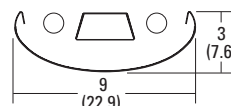
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PRM1 Indirect
PRM3 Lightvent
PRM7 Partially perforated



PRM4 Indirect/Direct



PRM6 Fully perforated

Notes

- See configuration table for available number of lamps and lamp types per fixture.
- PRM4 only.
- Must be in 4' increments.
- Not available in 347V.
- Not available with 28T5 lamp type.

- Only use with PRM4, 3-lamp, T8 and CLI.
- Not available with 32T8 lamp type.
- T8 only.
- T5 only.

STATION



Construction

Materials: Extruded aluminum housing and captive door. Die-cast aluminum end cap. IP65 rated (dust and water tight).

Finish: Painted silver; custom colors available.

Fixture length: 4' and 8' individual fixture sections. Add 6" for each end cap to determine total Fixture length. Request submittal drawings for longer-length fixtures with joined 4' and 8' sections.

Optics

Shielding: Extruded acrylic prismatic lens.

Reflectors: Die-formed pre-painted white steel.

ORDERING INFORMATION

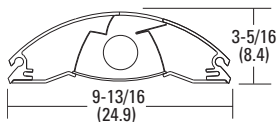
Example: STM9 1 54T5HO SPR ASY/SYM 40FT R8 120 GEB10 2SE SCT LP835 C111 F3A/24

Series	Number of lamps	Lamp type	Reflector	Shielding	Nominal row length ¹	Maximum section length	Voltage	Ballast	Number of emergency modules	Emergency			
STM9	1	54T5HO	SPR Specular reflector	ASY/SYM Asymmetric lens upright, symmetric lens downlight	_ FT	R4 4' R8 8'	120	GEB <20% THD electronic ballast (T8 only)	(blank) None	(blank) None			
	2	28T5					28W T5	277	GEB10 <10% THD electronic ballast	1SE 1 section	EC Emergency/night-light circuit		
		32					32W T8	347	S5 SIMPLY SM 2	2SE 2 sections	XSE X sections		
			SYM 100% downlight, symmetric lens		ADEZ Advance [®] Mark 10 [®] dimming ^{3,4}								
			SYM/SYM Symmetric lens upright, symmetric lens downlight		ECO10 LUTRON [®] ECO-10 dimming ³								
					OSDIM OSRAM [®] 0-10V dimming ^{3,4,5}								
Reference Ballast Chart on website or consult factory for other options.													
Switching		Lamp color		Finish		Options		Mounting/Overall suspension		Mounting accessories			
SCT	Single circuit	L/LP	No lamp	LP830P	3000K 80+ CRI premier lamp ⁷	C111	Silver finish (DNA)	ELH	EM through-wire w/ separate feed	Mounting	Overall suspension	ACG	Adjustable cable grippers (standard)
DCT	Dual circuit	LP730	3000K 70+ CRI ⁶	LP835P	3500K 80+ CRI premier lamp ⁷	C099	Custom color (consult factory)	ELS	EM through-wire w/ single feed	F3A/	Stem mount	24	24"
		LP741	4100K 70+ CRI ⁶	LP841P	4100K 80+ CRI premier lamp ⁷			ELS2	Normal feed w/EM separate neutral (dual-feed cord)	36	36"	CP	Chicago plenum (F1A)
		LP830	3000K 80+ CRI					GLR	Fusing (fast blow)	XX	XX"	MCS	Matching feed canopy at support
		LP835	3500K 80+ CRI					GMF	Fusing (slow blow)			OJB	Offset J-box at feed location
		LP841	4100K 80+ CRI					NYC	New York City code				
Reference Ballast Chart on website or consult factory for other options.													

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

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STM9 shown with ASY/SYM

Notes

- 1 Must be in 4' increments.
- 2 T5/T5HO only.
- 3 Not available with 347V.
- 4 Not available with 28T5 lamp type.
- 5 Not available with 32T8.
- 6 T8 only.
- 7 T5 only.

PRODUCT INFORMATION

LIGHTEDGE®

Angular



Construction

Materials: Extruded aluminum housing and end cap.

Finish: Satin anodized standard; custom colors available.

Fixture length: 4', 8' and 12' (deep angular only) individual fixture sections for nominal suspension spacing of 4', 8' and 12'. Add 4" for each end cap to determine total Fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics

Shielding: Opal acrylic diffuser overlay above die-punched slots on EGSAM2 and EGAM2. Parabolic semi-specular aluminum louvers on EGSAM4.

Reflectors: Die-formed, pre-painted white steel; hammer-tone specular aluminum and specular aluminum. (Material composition varies with lamping and fixture style.)

ORDERING INFORMATION

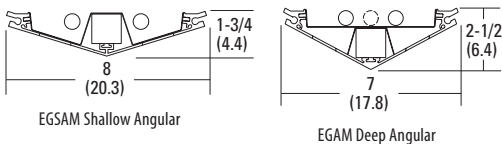
Example: EGSAM2 2 54T5HO 40FT R8 120 GEB10 2SE EL SCT LP835 C100 F1/24

Series	Number of lamps	Lamp type	Baffle ³	Nominal row length ⁴	Maximum section length	Voltage	Ballast	Number of emergency modules	Emergency	Switching	
EGSAM1	1	54T5HO 54W 4' T5HO	SSB Semi-specular baffle	_FT	R4 4'	120	GEB <20% THD electronic ballast (T8 only)	(blank) None	(blank) None	SCT Single circuit	
EGSAM2	2	28T5 28W 4' T5	SSBP Semi-specular baffle with perforated shield		R8 8'	277	GEB10 <10% THD electronic ballast	1SE 1section	EL Emergency battery pack	DCT Dual circuit	
EGSAM4	3	32W 4' T8 ^{1,2}			R12 12' ⁵	347	S5 SIMPLY ^{5,6,7}	2SE 2sections	EC Emergency circuit		
EGSAM4	32						ADEZ Advance® Mark 10® dimming ^{6,8}	XSE Xsections	EN Emergency battery pack with night-light circuit		
EGAM1		Deep indirect					ADZT Advance® Mark 7® (0-10V) dimming ^{6,8}				
EGAM2		Deep indirect/open					ECO10 LUTRON® ECO-10 dimming ⁶				
							OSDIM OSRAM® 0-10V dimming ^{6,7,8}				
Reference Ballast Chart on website or consult factory for other options.											
Lamp color		Finish		Options		Mounting/Overall suspension			Mounting accessories		
L/LP	No lamp	LP830P	3000K 80+ CRI premier lamp ¹⁰	C100	Satin anodized finish (standard)	DL	Damp location label	Mounting		Overall suspension	
LP730	3000K 70+ CRI ⁹	LP835P	3500K 80+ CRI premier lamp ¹⁰	C200	Peerless standard white (low gloss)	DU	Dust cover	F1/	T-bar ceiling (universal mounting bracket)	12	12"
LP735	3500K 70+ CRI ⁹	LP841P	4100K 80+ CRI premier lamp ¹⁰	C005	Soft white (low gloss)	ELH	EM through-wire with separate feed	F1A/	T-bar ceiling (UMB with integrated J-box)	15	15"
LP741	4100K 70+ CRI ⁹		Reference Lamp Chart on website or consult factory for other options.	C032	White white (gloss)	ELS	EM through-wire with single feed	F2/	Hard ceiling (horizontal J-box)	18	18"
LP830	3000K 80+ CRI			C032	White white (gloss)	ELS2	Normal feed w/EM separate neutral	F4A/	Grid ceiling IDS 15/16"	21	21"
LP835	3500K 80+ CRI			C041	White white (low gloss)	GLR	Fusing (fast blow)	F4B/	Grid ceiling IDS 9/16"	24	24"
LP841	4100K 80+ CRI			C099	Custom color (consult factory)	GMF	Fusing (slow blow)	F4C/	Grid ceiling IDS screw slot	XX	XX"
						NYC	New York City code				

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

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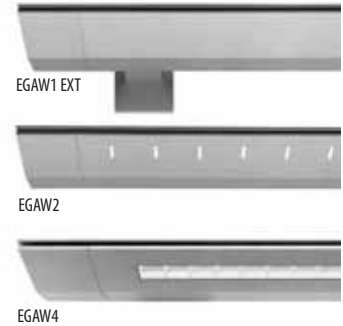


Notes

- 1 Available only with 2 lamps.
- 2 T8 lamp not available with EGSAM4.
- 3 EGSAM4 only.
- 4 Must be in 4' increments.
- 5 Not available with EGSAM2 and EGSAM4.
- 6 Not available in 347V.
- 7 Not available with 32 T8 lamp type.
- 8 Not available with 28T5 lamp type.
- 9 T8 only.
- 10 T5 only.

LIGHTEDGE®

Angular Wall



Construction

Materials: Extruded aluminum housing and end cap.
 Finish: Satin anodized standard; custom colors available.
 Fixture length: 4', 8' and 12' individual fixture sections. Add 4" for each end cap to determine total Fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics

Shielding: Parabolic semi-specular aluminum louvers on EGAW4. Opal acrylic diffuser overlay above die-punched slots on EGAW2 and above louvers on EGAW4.
 Reflectors: Die-formed, pre-painted white steel; hamertone specular aluminum and micro-prismatic acrylic lens. (Material composition varies with lamping and fixture style.)

ORDERING INFORMATION

Example: EGAW1 1 54T5HO 40FT R8 120 GEB10 2SE EL SCT LP835 C100

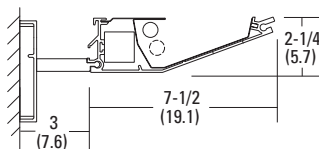
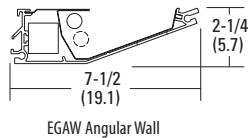
Series	Number of lamps	Lamp type	Nominal row length ³	Maximum section length	Voltage	Ballast	Number of emergency modules
EGAW1 Indirect	1	54T5HO 54W 4' T5HO	_FT	R4 4'	120	GEB <20% THD electronic ballast (T8 only)	(blank) None
EGAW2 Indirect/open	2 ¹	28T5 28W 4' T5		R8 8'	277	GEB10 <10% THD electronic ballast	1SE 1 section
EGAW4 Indirect/direct		32 32W 4' T8 ²		R12 12'	347	SS SIMPLY™ 4,5 ADEZ Advance® Mark 10® dimming ^{4,6} ECO10 LUTRON® ECO-10 dimming ^{4,6} OSDIM OSRAM® 0-10V dimming ^{4,5,6} Reference Ballast Chart on website or consult factory for other options.	2SE 2 sections XSE X sections

Emergency	Switching	Lamp color	Finish	Options	Mounting accessories
(blank) None	SCT Single circuit	L/LP No lamp	C100 Satin anodized finish (standard)	DL Damp location label	(blank) Flush wall
EL Emergency battery pack	DCT Dual circuit	LP730 3000K 70+ CRI ⁷	C200 Peerless standard white (low gloss)	DU Dust cover	EXT 3" extended mount
EC Emergency circuit		LP735 3500K 70+ CRI ⁷	C005 Soft white (low gloss)	ELH EM through-wire with separate feed	
EN Emergency battery pack with night-light circuit		LP741 4100K 70+ CRI ⁷	C032 White white (gloss)	ELS EM through-wire with single feed	
		LP830 3000K 80+ CRI	C041 White white (low gloss)	ELS2 Normal feed w/EM separate neutral	
		LP835 3500K 80+ CRI	C099 Custom color (consult factory)	GLR Fusing (fast blow)	
		LP841 4100K 80+ CRI		GMF Fusing (slow blow)	
				NYC New York City code	

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EGAW with EXT 3" Extended Mount

Notes

- 1 Not available with T8.
- 2 32 T8 not available with EGAW4.
- 3 Must be in 4' increments.
- 4 Not available in 347V.
- 5 Not available with 32T8 lamp type.
- 6 Not available with 28T5 lamp type.
- 7 T8 only.
- 8 T5 only.

PRODUCT INFORMATION

LIGHTEDGE®

Curved



Construction

Materials: Extruded aluminum housing and end cap.

Finish: Satin anodized standard; custom colors available.

Fixture length: 4', 8' and 12' (deep curved only) individual fixture sections for nominal suspension spacing of 4', 8' and 12'. Add 4" for each end cap to determine total Fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics

Shielding: Opal acrylic diffuser overlay above die-punched slots on EGSCM2 and EGCM2. Parabolic semi-specular aluminum louvers on EGSCM4.

Reflectors: Die-formed, pre-painted white steel; hammer-tone specular aluminum and specular aluminum. (Material composition varies with lamping and fixture style.)

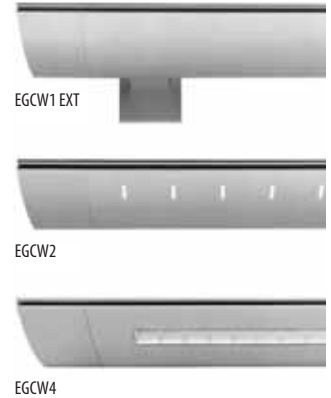
ORDERING INFORMATION

Example: EGSCM1 2 54T5HO 40FT R8 120 GEB10 2SE EL SCT LP835 C100 F1/24

Series	Number of lamps	Lamp type	Baffle ³	Nominal row length ⁴	Maximum section length	Voltage	Ballast	Number of emergency modules	Emergency	Switching
EGSCM1	1	54T5HO	SSB	_FT	R4 4'	120	GEB	(blank) None	(blank) None	SCT Single circuit
EGSCM2	2	54W 4' T5HO	SSBP		R8 8'	277	GEB10	1SE 1 section	EL Emergency battery pack	DCT Dual circuit
EGSCM4	3	28T5			R12 12' ⁵	347	S5	2SE 2 sections	EC Emergency circuit	
EGSCM4		32					ADZT	XSE X sections	EN Emergency battery pack with night-light circuit	
EGCM1		32W 4' T8 ^{1,2}					ADZT			
EGCM2							ADZT			
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LIGHTEDGE®

Curved Wall



Construction

Materials: Extruded aluminum housing and end cap.
 Finish: Satin anodized standard; custom colors available.
 Fixture length: 4', 8' and 12' individual fixture sections. Add 4" for each end cap to determine total Fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics

Shielding: Parabolic semi-specular aluminum louvers on EGCW4. Opal acrylic diffuser overlay above die-punched slots on EGCW2 and above louvers on EGCW4.
 Reflectors: Die-formed, pre-painted white steel; hamertone specular aluminum and micro-prismatic acrylic lens. (Material composition varies with lamping and fixture style.)

ORDERING INFORMATION

Example: EGCW1 1 54T5HO 40FT R8 120 GEB10 2SE EL SCT LP835 C100

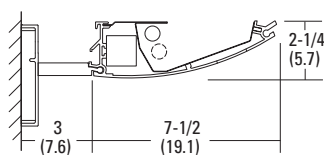
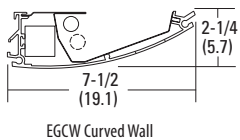
Series	Number of lamps	Lamp type	Nominal row length ³	Maximum section length	Voltage	Ballast	Number of emergency modules
EGCW1 Indirect	1	54T5HO 54W 4' TSHO	_FT	R4 4'	120	GEB <20% THD electronic ballast (T8 only)	(blank) None
EGCW2 Indirect/open	2 ¹	28T5 28W 4' T5		R8 8'	277	GEB10 <10% THD electronic ballast	1SE 1 section
EGCW4 Indirect/direct		32 32W 4' T8 ²		R12 12'	347	S5 SIMPLY5™ ^{4,6} ADEZ Advance® Mark 10® dimming ^{4,5} ADZT Advance® Mark 7® (0-10V) dimming ^{4,5} ECO10 LUTRON® ECO-10 dimming ⁴ OSDIM OSRAM® 0-10V dimming ^{4,5,6} Reference Ballast Chart on website or consult factory for other options.	2SE 2 sections XSE X sections

Emergency	Switching	Lamp color	Finish	Options	Mounting accessories
(blank) None	SCT Single circuit	L/LP No lamp	C100 Satin anodized finish (standard)	DL Damp location label	(blank) Flush wall
EL Emergency battery pack	DCT Dual circuit	LP730 3000K 70+ CRI ⁷	C200 Peerless standard white (low gloss)	DU Dust cover	EXT 3" extended mount
EC Emergency circuit		LP735 3500K 70+ CRI ⁷	C005 Soft white (low gloss)	ELH EM through-wire with separate feed	
EN Emergency battery pack with night-light circuit		LP741 4100K 70+ CRI ⁷	C032 White white (gloss)	ELS EM through-wire with single feed	
		LP830 3000K 80+ CRI	C041 White white (low gloss)	ELS2 Normal feed w/EM separate neutral	
		LP835 3500K 80+ CRI	C099 Custom color (consult factory)	GLR Fusing (fast blow)	
		LP841 4100K 80+ CRI		GMF Fusing (slow blow)	
		Reference Lamp Chart on website or consult factory for other options.		NYC New York City code	

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

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EGCW with EXT 3" Extended Mount

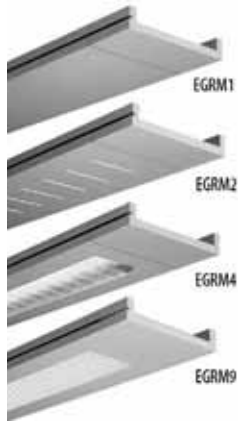
Notes

- 1 Not available with T8.
- 2 32T8 not available with EGCW4.
- 3 Must be in 4" increments.
- 4 Not available in 347V.
- 5 Not available with 28T5 lamp type.
- 6 Not available with 32T8 lamp type.
- 7 T8 only.
- 8 T5 only.

PRODUCT INFORMATION

LIGHTEDGE®

Rectangular



Construction

Materials: Extruded aluminum housing and end cap.

Finish: Satin anodized standard; custom colors available.

Fixture length: 4' and 8' individual fixture sections for nominal suspension spacing of 4' and 8'. Add 4" for each end cap to determine total Fixture length. Using internal joiners, 4' and 8' sections can be joined to form longer-length fixtures.

Optics

Shielding: Parabolic semi-specular aluminum louvers on EGRM4. Opal acrylic diffuser overlay above die-punched slots on EGRM2. GrateOptic® crenulated diffuser of extruded opal acrylic on EGRM9.

Reflectors: Die-formed, pre-painted white steel; hammer-tone specular aluminum.

ORDERING INFORMATION

Example: EGRM2 54T5HO 40FT R8 120 GEB10 2SE EL SCT LP835 C100 F1/24

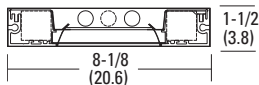
Series	Number of lamps	Lamp type	Nominal row length ²	Maximum section length	Voltage	Ballast	Number of emergency modules	Emergency		
EGRM1	Indirect	1	54T5HO 54W 4' T5HO	_FT	R4 4'	120	GEB	<20% THD electronic ballast (T8 only)	(blank) None	(blank) None
EGRM2	Indirect/open	2	28T5 28W 4' T5		R8 8'	277	GEB10	<10% THD electronic ballast	1SE 1 section	EL Emergency battery pack
EGRM4	Indirect/direct	3	32 32W 4' T8 ¹			347	S5	SIMPLY TM 3.5	2SE 2 sections	EC Emergency circuit
EGRM9	Indirect/GrateOptic®						ADEZ	Advance® Mark 10® dimming ^{3,4,5}	XSE X sections	EN Emergency battery pack with night-light circuit
							ADZT	Advance® Mark 7® (0-10V) dimming ^{3,4,5}		
							ECO10	LUTRON® ECO-10 dimming ^{3,5}		
							OSDIM	OSRAM® 0-10V dimming ^{3,4,5}		
							TUDA	ULT (0-10V) dimming ^{3,6}		
Reference Ballast Chart on website or consult factory for other options.										

Switching	Lamp color	Finish	Options	Mounting/Overall suspension	Mounting accessories
SCT Single circuit	L/LP No lamp	LP830P 3000K 80+ CRI premier lamp ⁸	C100 Satin anodized finish (standard)	DL Damp location label	ACG Adjustable cable grippers
DCT Dual circuit	LP730 3000K 70+ CRI ⁷	LP835P 3500K 80+ CRI premier lamp ⁸	C200 Peerless standard white (low gloss)	DU Dust cover	CP Chicago plenum
	LP735 3500K 70+ CRI ⁷	LP841P 4100K 80+ CRI premier lamp ⁸	C005 Soft white (low gloss)	ELH EM through-wire with separate feed	MCS Matching feed canopy at support
	LP741 4100K 70+ CRI ⁷		C032 White white (gloss)	ELS M through-wire with single feed	OJB Offset J-box at feed location
	LP830 3000K 80+ CRI		C041 White white (low gloss)	ELS2 Normal feed w/EM separate neutral	
	LP835 3500K 80+ CRI		C099 Custom color (consult factory)	GLR Fusing (fast blow)	
	LP841 4100K 80+ CRI			GMF Fusing (slow blow)	
Reference Lamp Chart on website or consult factory for other options.					

ADDITIONAL INFORMATION

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EGRM Rectangular

Notes

- 1 Available only with 2 lamps on EGRM1 and EGRM2.
- 2 Must be in 4' increments.
- 3 Not available in 347V.
- 4 Not available with 28T5 lamp type.
- 5 Not available with 32T8 lamp type.
- 6 Not available with 54T5HO lamp type.
- 7 T8 only.
- 8 T5 only.

LIGHTEDGE®

Rectangular Wall

Construction
Materials: Extruded aluminum housing and end cap.
Finish: Satin anodized standard; custom colors available.

Fixture length: 4', 8' and 12' individual fixture section. Add 4" for each end cap to determine total Fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics
Shielding: Parabolic semi-specular aluminum

louvers on EGRW4. Opal acrylic diffuser overlay above die-punched slots on EGRW2. GrateOptic® crenelated diffuser of extruded opal acrylic on EGRW9.

Reflectors: Die-formed, pre-painted white steel; hammer-tone specular aluminum and micro-prismatic acrylic lens. (Material composition varies with lamping and fixture style.)



ORDERING INFORMATION

Example: EGRW9 1 54T5HO 40FT R12 120 GEB10 2SE EL SCT LP835 C100

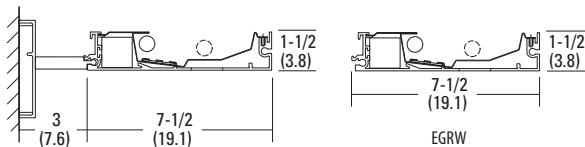
Series	Number of lamps	Lamp type	Nominal row length ¹	Maximum section length	Voltage	Ballast	Number of emergency modules
EGRW1 Indirect	1	54T5HO 54W 4' T5HO	_FT	R4 4'	120	GEB10 <10% THD electronic ballast	(blank) None
EGRW2 Indirect/open	2	28T5 28W 4' T5		R8 8'	277	S5 SIMPLY5™ ²	1SE 1 section
EGRW4 Indirect/direct				R12 12'	347	ADEZ Advance® Mark 10® dimming ^{2,3} ECO10 LUTRON® ECO-10 dimming ² OSDIM OSRAM® 0-10V dimming ^{2,3}	2SE 2 sections XSE X sections
EGRW9 Indirect / GrateOptic®						Reference Ballast Chart on website or consult factory for other options.	

Emergency	Switching	Lamp color	Finish	Options	Mounting accessories
(blank) None	SCT Single circuit	L/LP No lamp	C100 Satin anodized finish (standard)	DL Damp location label	(blank) Flush wall
EL Emergency battery pack	DCT Dual circuit	LP830 3000K 80+ CRI	C200 Peerless standard white (low gloss)	DU Dust cover	EXT 3" extended mount
EC Emergency circuit		LP835 3500K 80+ CRI	C005 Soft white (low gloss)	ELH EM through-wire with separate feed	
EN Emergency battery pack with night-light circuit		LP841 4100K 80+ CRI	C032 White white (gloss)	ELS EM through-wire with single feed	
		LP830P 3000K 80+ CRI premier lamp ⁴	C032 White white (gloss)	ELS2 Normal feed w/EM separate neutral	
		LP835P 3500K 80+ CRI premier lamp ⁴	C041 White white (low gloss)	GLR Fusing (fast blow)	
	LP841P 4100K 80+ CRI premier lamp ⁴	C099 Custom color (consult factory)	GMF Fusing (slow blow)		
		Reference Lamp Chart on website or consult factory for other options.		NYC New York City code	

ADDITIONAL INFORMATION

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EGRW with EXT 3" Extended Mount

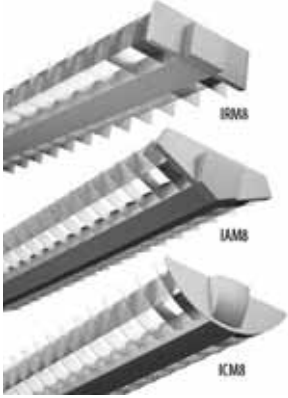
Notes

- 1 Must be in 4' increments.
- 2 Not available in 347V.
- 3 Not available with 28T5.
- 4 T5 only.

PRODUCT INFORMATION

ICETRAY®

Indirect/Direct



Construction
Materials: Extruded aluminum spine. Aluminum baffle assembly. Die-cast aluminum end caps on IRM8 and IAM8. Steel end plate with die-cast aluminum end cap on ICM8.

Finish: Satin anodized or white polyester powder paint standard. Satin anodized finish consists of satin anodized housing, clear-coated aluminum baffles and end caps painted C110 aluminum to match. Custom colors available.

Fixture length: 4', 8' and 12' (1-, 2- and 3-lamp cross sections only) individual fixture sections for nominal suspension spacing of 4', 8' and 12'. Add 1-1/4" for each rectangular end cap, 1-1/8" for each angular end cap and 1" for each curved end cap to determine total Fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics
Shielding: Straight blade baffle with perforated side reflector/shield. Opal acrylic diffuser overlay optional.

Reflectors: Die-formed, pre-painted white steel and perforated aluminum side reflector/shield.



ORDERING INFORMATION

Example: ICM8 2 28T5 24FT R12 120 GEB10 DCT LP835 C041 F2/24

Series	Number of lamps	Lamp type	Reflector ²	Shielding	Nominal row length ⁵	Maximum section length	Voltage	Ballast	Number of emergency modules
IRM8 Rectangular	1'	54T5HO 54W T5HO	(blank) T8: 70% up, 30% down	(blank) None	_FT	R4 4'	120	GEB <20% THD electronic ballast (T8 only)	(blank) None
IAM8 Angular	2	28T5 28W T5	T5/T5HO: 80% up, 20% down	OPD Opal diffuser ⁴		R8 8'	277	GEB10 <10% THD electronic ballast	1SE 1 section
ICM8 Curved	3	32 32W T8	50/50 50% up, 50% down ³			R12 12' ⁶	347	S5 SIMPLY TM 7,8 ADEZ Advance [®] Mark 10 [®] dimming ^{8,9} ECO10 LUTRON [®] ECO-10 dimming ⁸ OSDIM OSRAM [®] 1-10V dimming ^{7,8,9}	2SE 2 sections XSE X sections
	4		30/70 30% up, 70% down ³ 5/95 5% up, 95% down 40/60 40% up, 60% down ¹						

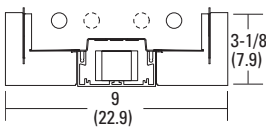
Reference Ballast Chart on website or consult factory for other options.

Emergency	Switching	Lamp color	Finish	Options	Mounting/Overall suspension	Mounting accessories
(blank) None	SCT Single circuit	L/LP No lamp	C041 White white (low gloss)	DL Damp location label	Mounting F1/ T-bar ceiling (universal mounting bracket)	ACG Adjustable cable grippers
EL Emergency battery pack	DCT Dual circuit	LP730 3000K 70+ CRI ³ LP735 3500K 70+ CRI ³ LP741 4100K 70+ CRI ³	C100 Satin anodized finish	DU Dust cover ¹¹ ELH EM through-wire w/ separate feed	Overall suspension 12 12" 15 15" 18 18"	CP Chicago plenum
EC Emergency/night-light circuit		LP830 3000K 80+ CRI LP835 3500K 80+ CRI	C099 Custom color (consult factory)	ELS EM through-wire w/ single feed	F1A/ T-bar ceiling (UMB with integrated J-box) 21 21"	MCS Matching feed canopy at support
EN Emergency battery pack with night-light circuit		LP841 4100K 80+ CRI		ELS2 Normal feed w/EM separate neutral (dual-feed cord) GLR Fusing (fast blow) GMF Fusing (slow blow) NYC New York City code	F2/ Hard ceiling (horizontal J-box) 24 24" XX XX" F3/ Rigid stem mount F4A/ IDS clip 15/16 tee F4B/ IDS clip 9/16 tee F4C/ IDS clip screw slot	OJB Offset J-box at feed location

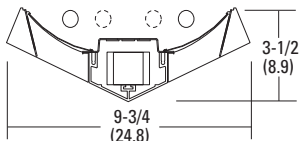
ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

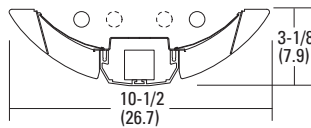
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



IRM8 Rectangular



IAM8 Angular



ICM8 Curved

Notes

- T5/T5HO only.
- Recommended for use with dark ceilings only. Use of a VDR (50/50, 40/60, 30/70 and 5/95) reduces fixture efficiency.
- T8 only.
- OPD not available with 5/95.
- Must be in 4' increments.
- Not available with a 4-lamp cross section.
- Not available with 32T8.
- Not available in 347V.
- Not available with 28T5 lamp type.
- T5 only.
- Dust cover not available with 50/50, 30/70, 5/95, 40/60 reflectors.

Construction

Materials: Extruded aluminum spine. Aluminum baffle assembly. Die-cast aluminum end caps on IRW8 and IAW8. Steel end plate on ICW8.

Finish: Satin anodized or white polyester powder paint standard. Satin anodized finish consists of satin anodized housing, clear-coated aluminum baffles and end caps painted C110 aluminum to match. Custom colors available.

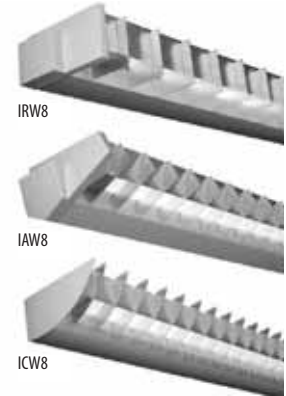
Fixture length: 4', 8' and 12' individual fixture sections. Add 1-1/4" for each rectangular end cap, 1-3/8" for each angular end cap and 1/16" for each curved end cap to determine total Fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics

Shielding: Straight blade baffle with perforated side reflector/shield. Opal acrylic diffuser optional.

Reflectors: Die-formed, pre-painted white steel and perforated aluminum side reflector/shield.

ICETRAY®
Indirect/Direct Wall



ORDERING INFORMATION

Example: IAW8 2 32 8FT R8 277 ADEZ SCT LP835 C041

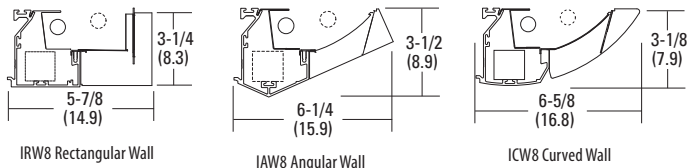
Series	Number of lamps	Lamp type	Shielding ¹	Nominal row length ²	Maximum section length	Voltage	Ballast	Number of emergency modules
IRW8 Rectangular	1	54T5HO 54W T5HO	(blank) None	_FT	R4 4'	120	GEB <20% THD electronic ballast (T8 only)	(blank) None
IAW8 Angular	2	28T5 28W T5	OPD Opal diffuser		R8 8'	277	GEB10 <10% THD electronic ballast	1SE 1 section
ICW8 Curved		32 32W T8			R12 12'	347	S5 SIMPLY5™ ^{3,4} ADEZ Advance® Mark 10° dimming ^{4,5} ECO10 LUTRON® ECO-10 dimming ⁴ OSDIM OSRAM® 1-10V dimming ^{3,4,5} Reference Ballast Chart on website or consult factory for other options	2SE 2 sections XSE X sections

Emergency	Switching	Lamp color	Finish	Options
(blank) None	SCT Single circuit	L/LP No lamp	C041 White white (low gloss)	DL Damp location label
EL Emergency battery pack	DCT Dual circuit	LP730 3000K 70+ CRI ⁶	C100 Satin anodized finish	DU Dust cover
EC Emergency/night-light circuit		LP735 3500K 70+ CRI ⁶	C099 Custom color (consult factory)	ELH EM through-wire with separate feed
EN Emergency battery pack with night-light circuit		LP741 4100K 70+ CRI ⁶		ELS EM through-wire with single feed
		LP830 3000K 80+ CRI		ELS2 Normal feed w/EM separate neutral (dual-feed cord)
		LP835 3500K 80+ CRI		GLR Fusing (fast blow)
		LP841 4100K 80+ CRI		GMF Fusing (slow blow)
				NYC New York City code

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



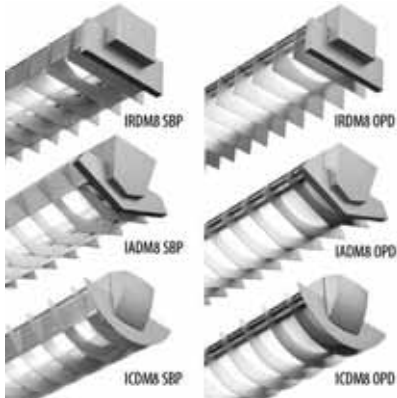
Notes

- IAW8 only.
- Must be in 4' increments.
- Not available with 32T8.
- Not available in 347V.
- Not available with 28T5.
- T8 only.
- T5 only.

PRODUCT INFORMATION

ICETRAY®

Direct



Construction

Materials: Extruded aluminum spine. Formed aluminum baffle assembly. Die-cast aluminum end cap on IRDM8 and IADM8. Steel end plate with die-cast aluminum end cap on ICDM8.

Finish: Satin anodized or white polyester powder paint standard. Satin anodized finish consists of satin anodized housing, clear-coated aluminum baffles and end caps painted C110

aluminum to match. Custom colors available.

Fixture length: 4', 8' and 12' individual fixture sections for nominal suspension spacing of 4', 8' and 12'. Add 1-1/4" for each rectangular end cap, 1-3/8" for each angular end cap and 1" for each curved end cap to determine total Fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics

Shielding: Straight blade baffle with perforated side reflector/shield or opal diffuser (1-lamp cross section only).

Reflectors: Die-formed, pre-painted white steel and perforated aluminum side reflector/shield.



ORDERING INFORMATION

Example: IADM8 1 54T5HO OPD 28FT R12 277 GEB10 SCT LP835 C041 F1/24 ACG

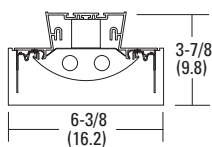
Series	Mounting method	Number of lamps	Lamp type	Shielding	Nominal row length ²	Maximum section length	Voltage	Ballast	Number of emergency modules
IRDM8	Rectangular (blank) Suspended	1	54T5HO 54W T5HO	SBP Perforated side shield	_FT	R4 4'	120	GEB <20% THD electronic ballast (T8 only)	(blank) None
IADM8	Angular S Surface mount	2	28T5 28W T5	OPD Opal diffuser ¹		R8 8'	277	GEB10 <10% THD electronic ballast	1SE 1 section
ICDM8	Curved		32 32W T8			R12 12'	347	S5 SIMPLYS™ ^{3,4} ADEZ Advance® Mark 10® dimming ^{4,5} ECO10 LUTRON® ECO-10 dimming ⁴ OSDIM OSRAM® 1-10V dimming ^{3,4,5} Reference Ballast Chart on website or consult factory for other options.	2SE 2 sections XSE X sections

Emergency	Switching	Lamp color	Finish	Options	Mounting/Overall suspension ⁸	Mounting accessories ⁸
(blank) None	SCT Single circuit	L/LP No lamp	C041 White	DL Damp location label	Mounting F1/ T-bar ceiling (universal mounting bracket)	ACG Adjustable cable grippers (suspended fixture)
EL Emergency battery pack	DCT Dual circuit	LP730 3000K 70+ CRI ⁶ LP735 3500K 70+ CRI ⁶ LP741 4100K 70+ CRI ⁶	C100 Satin anodized finish	ELH EM through-wire w/ separate feed ELS EM through-wire w/ single feed	Overall suspension⁸ 12 12" 15 15" 18 18" 21 21"	CP Chicago plenum
EC Emergency/night-light circuit		LP830 3000K 80+ CRI LP835 3500K 80+ CRI LP841 4100K 80+ CRI	C099 Custom color (consult factory)	ELS2 Normal feed w/EM separate neutral (dual-feed cord) GLR Fusing (fast blow) GMF Fusing (slow blow) NYC New York City code	F2/ Hard ceiling (horizontal J-box) F3/ Rigid stem mount F4A/ IDS clip 15/16 tee F4B/ IDS clip 9/16 tee F4C/ IDS clip screw slot	MCS Matching feed canopy at support OJB Offset J-box at feed location
EN Emergency battery pack with night-light circuit		Reference Lamp Chart on website or consult factory for other options				

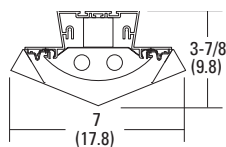
ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

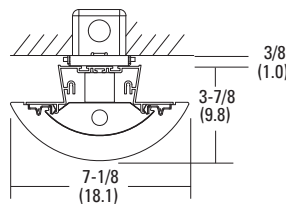
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



IRDM8 Rectangular with SBP Perforated Side Shield



IADM8 Angular with SBP Perforated Side Shield



ICDM8 Curved with OPD Opal Diffuser and S Surface Mounted

Notes

- 1 Available only with 1-lamp cross section.
- 2 Must be in 4' increments.
- 3 Not available with 32T8.
- 4 Not available with 347V.
- 5 Not available with 28T5.
- 6 T8 only.
- 7 T5 only.
- 8 Not required with "S" mounting method.

Construction

Materials: Extruded aluminum spine. Formed aluminum baffle assembly. Die-cast aluminum end cap on IRDW8 and IADW8. Steel end plate with die-cast aluminum end cap on ICDW8.

Finish: Satin anodized or white polyester powder paint standard. Satin anodized finish consists of satin anodized housing, clear-coated aluminum baffles and end caps painted C110 aluminum to match. Custom colors available.

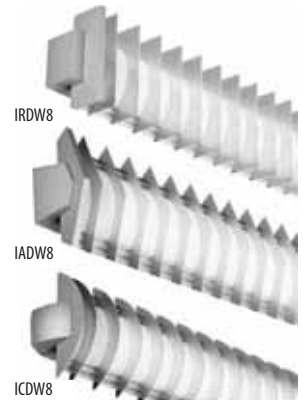
Fixture length: 4', 8' and 12' individual fixture sections. Add 1-1/4" for each rectangular end cap, 1-3/8" for each angular end cap and 1" for each curved end cap to determine total Fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics

Shielding: Straight blade baffle with opal diffuser (standard brightness or intermediate brightness).

Reflectors: Die-formed, pre-painted white steel.

ICETRAY[®]
Direct Wall



ORDERING INFORMATION

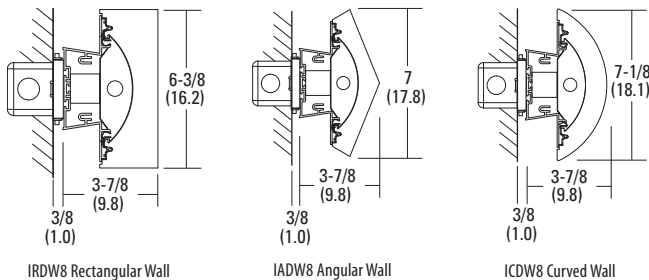
Example: IRDW8 1 32 OPI 24FT R12 120 GEB10 SCT LP841 C100

Series	Number of lamps	Lamp type	Shielding	Nominal row length ¹	Maximum section length	Voltage	Ballast	Number of emergency modules
IRDW8 Rectangular	1	54T5HO 54W T5HO	OPI Intermediate brightness opal diffuser (recommended)	_FT	R4 4'	120	GEB <20% THD electronic ballast (T8 only)	(blank) None
IADW8 Angular		28T5 28W T5			R8 8'	277	GEB10 <10% THD electronic ballast	1SE 1 section
ICDW8 Curved		32 32W T8	OPD Opal diffuser		R12 12'	347	S5 SIMPLY5™ 2,3 ADEZ Advance® Mark 10® dimming ^{3,4} ECO10 LUTRON® ECO-10 dimming ³ OSDIM OSRAM® 1-10V dimming ^{2,3,4}	2SE 2 sections XSE X sections
Reference Ballast Chart on website or consult factory for other options.								
Emergency		Switching		Lamp color		Finish		Options
(blank) None		SCT Single circuit	L/LP No lamp	LP830P 3000K 80+ CRI premier lamp ⁶	C041 White white (low gloss)	DL Damp location label		
EL Emergency battery pack			LP730 3000K 70+ CRI ⁵	LP834P 3500K 80+ CRI premier lamp ⁶	C100 Satin anodized finish	ELH EM through-wire with separate feed		
EC Emergency/night-light circuit			LP735 3500K 70+ CRI ⁵	LP841P 4100K 80+ CRI premier lamp ⁶	C099 Custom color (consult factory)	ELS EM fthrough-wire with single feed		
EN Emergency battery pack with night-light circuit			LP741 4100K 70+ CRI ⁵	Reference Lamp Chart on website or consult factory for other options.		ELS2 Normal feed w/EM separate neutral (dual-feed cord)		
			LP830 3000K 80+ CRI			GLR Fusing (fast blow)		
			LP835 3500K 80+ CRI			GMF Fusing (slow blow)		
			LP841 4100K 80+ CRI			NYC New York City code		

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

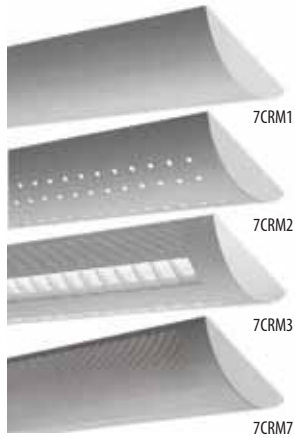
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Must be in 4' increments.
- 2 Not available with 32T8.
- 3 Not available in 347V.
- 4 Not available with 28T5.
- 5 T8 only.
- 6 T5 only.

CERRA® 7



Construction
Materials: Die-formed, cold-rolled steel housing. Flat steel end plate standard. Die-cast aluminum end cap optional.

Finish: Fine-textured white polyester powder paint standard; custom colors available.

Fixture length: 4', 8' and 12' individual fixture sections for nominal suspension spacing of 4', 8' and 12'. Add 1/16" for each standard end cap or 3" for each optional sculptured end cap to determine total

Fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics
Shielding: Die-punched square windows on 7CRM2. Perforated steel and steel baffles on 7CRM3. Partially perforated steel housing on 7CRM7. Opal acrylic diffuser overlay standard on all fixtures.

Reflectors: Die-formed specular aluminum or pre-painted white steel.



ORDERING INFORMATION

Example: 7CRM2 2 54T5HO WHR 40FT R12 277 GEB10 DCT LP835 C210 SCEP F1/18

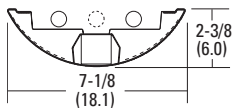
Series	Number of lamps	Lamp type	Reflector	Nominal row length ¹	Maximum section length	Voltage	Ballast	Number of emergency modules ²
7CRM1 Indirect	1	54T5HO	WHR White (standard)	_FT	R4 4'	120	GEB10 <10% THD electronic ballast	(blank) None
7CRM2 Indirect/open	2	28T5	SPR Specular (not available on 7CRM3)		R8 8'	277	ADEZ Advance® Mark 10® dimming ^{4,5}	1SE 1 section
7CRM3 Lightvent™	3				R12 12'	347	ECO10 LUTRON® ECO-10 dimming ⁴	2SE 2 sections
7CRM7 Partially perforated							OSDIM OSRAM® 0-10V dimming ^{4,5}	XSE X sections
Reference Ballast Chart on website or consult factory for other options.								

Emergency ^{2,3}	Switching	Lamp color	Finish	Options	Mounting/Overall suspension	Mounting accessories
(blank) None	SCT Single circuit	L/LP No lamp	C110 Painted silver to match anodized aluminum	DL Damp location	Mounting F1/ T-bar ceiling	ACG Adjustable cable grippers
EL Emergency battery pack	DCT Dual circuit	LP830 3000K 80+ CRI	C210 Textured white white (low gloss)	DU Dust cover	F1A/ F1A T-bar ceiling (UMB with integrated J-box)	CP Chicago plenum
EC Emergency/night-light circuit		LP841 4100K 80+ CRI	C099 Custom color (consult factory)	ELH EM through-wire with separate feed	F2/ Hard ceiling (horizontal J-box)	MCS Matching feed canopy at support
EN Emergency battery pack with night-light circuit		LP830P 3000K 80+ CRI premier lamp ⁶		ELS EM through-wire with single feed	F3/ Rigid stem mount	OJB Offset J-box at feed location
		LP835P 3500K 80+ CRI premier lamp ⁶		ELS2 Normal feed w/EM separate neutral (dual-feed cord)	F4A/ IDS clip, 15/16" tee	
		LP841P 4100K 80+ CRI premier lamp ⁶		GLR Fusing (fast blow)	F4B/ IDS clip, 9/16" tee	
		Reference Lamp Chart on website or consult factory for other options.		GMF Fusing (slow blow)	F4C/ IDS clip, screw slot	
				NYC New York City code		
				SCEP Sculptured end caps		

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Must be in 4' increments.
- Optional.
- EL and EC are installed in last 4' of fixture sections and are not available concurrently with each other. Separate feed required for each EL or EC unless ELH is specified.
- Not available in 347V.
- Not available with 28T5 lamp type.
- Not available with 54T5HO lamp type.

Construction

Materials: Die-formed, cold-rolled steel housing. Flat steel end plate standard. Die-cast aluminum end cap optional.

Finish: Fine-textured white polyester powder paint standard; custom colors available.

Fixture length: 4', 8' and 12' individual fixture sections for nominal suspension spacing of 4', 8' and 12'. Add 1/16" for each standard end cap or 4" for each optional sculptured end cap to determine total

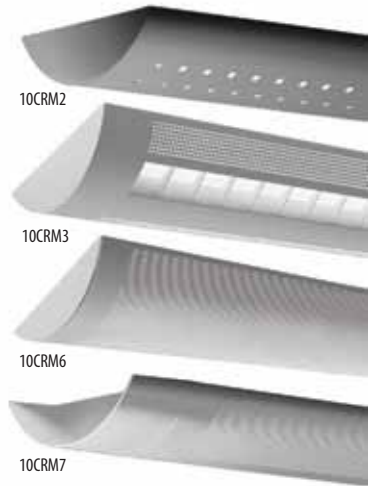
Fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics

Shielding: Die-punched square windows on 10CRM2. Perforated steel and steel baffles on 10CRM3. Fully perforated steel housing on 10CRM6. Partially perforated steel housing on 10CRM7. Opal acrylic diffuser standard on all fixtures.

Reflectors: Die-formed specular aluminum or pre-painted white steel.

CERRA® 10



ORDERING INFORMATION

Example: 10CRM2 4 32 WHR 40FT R12 120 GEB DCT LP735 C210 SCEP F1/18

Series	Number of lamps ¹	Lamp type ¹	Reflector	Nominal row length ³	Maximum section length	Voltage	Ballast	Number of emergency modules
10CRM1 Indirect	1	54T5HO 54W T5HO	WHR White (standard)	_FT	R4 4'	120	GEB <20% THD electronic ballast (T8 only)	(blank) None
10CRM2 Indirect/open	2	28T5 28W T5	SPR Specular ²		R8 8'	277	GEB10 <10% THD electronic	1SE 1 section
10CRM3 Lightvent™	3	32 32W T8			R12 12'	347	ADEZ Advance® Mark 10® dimming ^{4,5}	2SE 2 sections
10CRM6 Fully perforated	4						ADZT Advance® Mark 7® 0-10V dimming ^{4,5}	XSE X sections
10CRM7 Partially perforated							ECO10 LUTRON® ECO-10 dimming ⁴	

Reference Ballast Chart on website or consult factory for other options

Emergency	Switching	Lamp color	Finish	Options	Mounting/Overall suspension	Mounting accessories
(blank) None	SCT Single circuit	L/LP No lamp	C110 Painted silver to match anodized aluminum finish	DL Damp location label DU Dust cover	Mounting F1/ T-bar ceiling	ACG Adjustable cable grippers
EL Emergency battery pack	DCT Dual circuit	LP730 3000K 70+ CRI ⁶	C210 Textured white (low gloss)	ELH EM through-wire with separate feed ELS EM through-wire with single feed	F1A/ F1A T-bar ceiling (UMB with integrated J-box) F2/ Hard ceiling (horizontal J-box)	CNS 5" feed canopy (F1)
EC Emergency/night-light circuit		LP735 3500K 70+ CRI ⁶	C099 Custom color (consult factory)	ELS2 Normal feed w/EM separate neutral (dual-feed cord)	F3/ Rigid stem mount	CP Chicago plenum
EN Emergency battery pack with night-light circuit		LP741 4100K 70+ CRI ⁶		GLR Fusing (fast blow) GMF Fusing (slow blow)	F4A/ IDS clip, 15/16" tee F4B/ IDS clip, 9/16" tee F4C/ IDS clip, screw slot	JBS J-box at support MCS Matching feed canopy at support

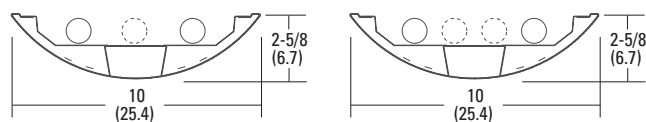
Reference Lamp Chart on website or consult factory for other options.

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

CONFIGURATIONS		
SERIES	NUMBER OF LAMPS	LAMP TYPE
10CRM1	1, 2, 3, 4	T8
10CRM2	2, 3, 4	T8
10CRM3	1, 2, 3	T5, T5HO
10CRM3	2, 3, 4	T8
10CRM6	2	T8
10CRM7	2, 3, 4	T8

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Specify number of lamps and lamp type. See configuration table.
- Not available with 10CRM3.
- Must be in 4' increments.
- Not available in 347V.
- Not available with 28T5.
- T8 only.
- T5 only.

CERRA® ID



Construction

Materials: Die-formed, cold-rolled steel housing. Flat steel end plate standard. Die-cast aluminum end cap optional.

Finish: Fine-textured white polyester powder paint standard; custom colors available.

Fixture length: 4', 8' and 12' individual fixture sections for nominal suspension spacing of 4', 8' and 12'. Add 1/16" for each standard end cap or 4" for each optional sculptured

end cap to determine total Fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics

Shielding: Parabolic semi-specular aluminum louvers (SSB), white-painted parabolic louvers (WPB), white-painted steel baffle (SBL) or white-painted perforated steel baffle (PPL). Opal acrylic diffuser overlay optional.

Reflectors: Die-formed specular aluminum or pre-painted white steel.



ORDERING INFORMATION

Example: 10CRM4 2 32 WHR SSB 40FT R12 120 GEB DCT LP735 SCEP F1/18

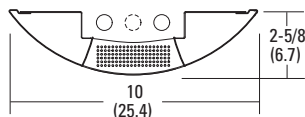
Series	Number of lamps	Lamp type	Reflector	VDR	Shielding	Baffle	Nominal row length ³	Max. section length	Voltage	Ballast	Number of emergency modules
10CRM4	Indirect/	1 2 3	54T5HO 54W T5HO 28T5 28W T5 32 32W T8	WHR 65% up, 35% down (standard) SPR Specular ¹	40/60 40% up, 60% down 20/80 20% up, 80% down 0/100 0% up, 100% down CLI Center lamp isolator ²	(blank) None OPD Standard brightness diffuser SBL White steel blade PPL White perforated steel baffle WPB White baffle (pre-finished or painted)	_FT	R4 4' R8 8' R12 12'	120 277 347	GEB <20% THD electronic ballast (T8 only) GEB10 <10% THD electronic ballast ADEZ Advance® Mark 10® dimming ⁴ ADZT Advance® Mark 7® 0-10V dimming ^{4,5} ECO10 LUTRON® ECO-10 dimming ⁴	(blank) None 1SE 1 section 2SE 2 sections XSE X sections
	direct										

Emergency	Switching	Lamp color	Finish	Options	Mounting/Overall suspension	Mounting accessories
(blank) None	SCT Single circuit	L/LP No lamp	C110 Painted silver to match anodized aluminum finish	DL Damp location label	Mounting	ACG Adjustable cable grippers
EL Emergency battery pack	DCT Dual circuit	LP730 3000K 70+ CRI ⁶	C210 Textured white white (low gloss)	DU Dust cover	F1/ T-bar ceiling	CP Chicago plenum
EC Emergency/night-light circuit		LP735 3500K 70+ CRI ⁶	C099 Custom color (consult factory)	ELH EM through-wire with separate feed	F1A/ F1A T-bar ceiling (UMB with integrated J-Box)	MCS Matching feed canopy at support
EN Emergency battery pack with night-light circuit		LP741 4100K 70+ CRI ⁶		ELS EM through-wire with single feed	F2/ Hard ceiling (horizontal J-box)	OJB Offset J-box at feed location
		LP830 3000K 80+ CRI		ELS2 Normal feed w/EM separate neutral (dual-feed cord)	F3/ Rigid stem mount	
		LP835 3500K 80+ CRI		GLR Fusing (fast blow)	F4A/ IDS clip, 15/16" tee	
		LP841 4100K 80+ CRI		GMF Fusing (slow blow)	F4B/ IDS clip, 9/16" tee	
				NYC New York City code	F4C/ IDS clip, screw slot	
				SCEP Sculptured end caps		

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available with standard distribution only.
- 2 Available with 3-lamp cross section only.
- 3 Must be in 4' increments.
- 4 Not available in 347V.
- 5 Not available with 28T5.
- 6 T8 only.
- 7 T5 only.

Construction

Materials: Die-formed, cold-rolled steel housing. Flat steel end plate standard. Die-cast aluminum end cap optional.

Finish: Fine-textured white polyester powder paint standard; custom colors available.

Fixture length: 4', 8' and 12' individual fixture sections. Add 1/16" for each standard end cap or 4" for each optional sculptured end cap

to determine total Fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics

Shielding: Die-punched square windows on CRW2. Perforated steel windows on CRW3. White-painted steel baffle with optional perforated housing on CRW4. Partially perforated steel housing on CRW7. Opal

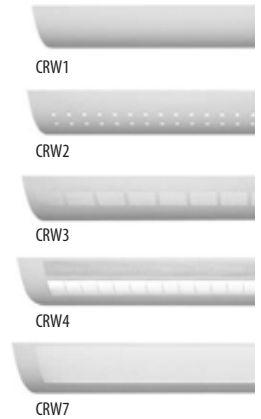
acrylic diffuser overlay standard on all fixtures.

Reflectors: Die-formed specular aluminum or pre-painted white steel.

Listings

UL Listed to US and Canadian safety standards.

CERRA® WALL



ORDERING INFORMATION

Example: CRW2 1 54T5HO WHR 40FT R12 277 GEB10 SCT LP835 C210 SCEP

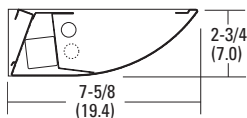
Series	Number of lamps	Lamp type	Shielding ¹	Reflector	Nominal row length ²	Maximum Section Length	Voltage	Ballast
CRW1 Indirect	1	54T5HO 54W T5HO	(blank) None	WHR White reflector (standard)	_FT	R4 4'	120	GEB <20% THD electronic ballast (T8 only)
CRW2 Indirect/open	2	28T5 28W T5	PERF Perforations above baffle	WHR White reflector (standard)		R8 8'	277	GEB10 <10% THD electronic ballast
CRW3 Lightvent		32 32W T8		SPR Specular reflector		R12 12'	347	ADEZ Advance® Mark 10® dimming ^{3,4,5}
CRW4 Indirect/direct								ECO10 LUTRON® ECO-10 dimming ^{3,4}
CRW7 Partially perforated								OSDIM OSRAM® 0-10V dimming ^{3,4,5}
								TUDA ULT (0-10V) dimming ^{3,6}
								Reference Ballast Chart on website or consult factory for other options.

Number of emergency modules	Emergency	Switching	Lamp color	Finish	Options
(blank) None	(blank) None	SCT Single circuit	L/LP No lamp	C110 Painted silver to match anodized aluminum	DL Damp location label
1SE 1 section	EL Emergency battery pack	DCT Dual circuit	LP730 3000K 70+ CRI ⁷	C210 Textured white white (low gloss)	DU Dust cover
2SE 2 sections	EC Emergency/night-light circuit		LP735 3500K 70+ CRI ⁷	C099 Custom color	ELH EM through-wire with separate feed
XSE X sections	EN Emergency battery pack with night-light circuit		LP741 4100K 70+ CRI ⁷		ELS EM through-wire with single feed
			LP830 3000K 80+ CRI		ELS2 Normal feed w/EM separate neutral (dual-feed cord)
			LP835 3500K 80+ CRI		GLR Fusing (fast blow)
			LP841 4100K 80+ CRI		GMF Fusing (slow blow)
			LP830P 3000K 80+ CRI premier lamp ⁸		NYC New York City code
			LP835P 3500K 80+ CRI premier lamp ⁸		SCEP Sculptured end caps
			LP841P 4100K 80+ CRI premier lamp ⁸		

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 CRW4 only.
- 2 Must be in 4' increments.
- 3 Not available in 347V.
- 4 Not available with 28T5.
- 5 Not available with 32T8.
- 6 Not available with 54T5HO.
- 7 T8 only.
- 8 T5 only.

PRODUCT INFORMATION

LIGHTFOIL[®] 2



Construction

Materials: Extruded aluminum housing and cylinders (optional). Composite foil of two sheets of aluminum laminated to extruded thermoplastic core material.

Finish: Foil available in bronze, silver or white. Housing and cylinders painted to match.

Fixture length: 21-5/8", 43", 53", 65" and 76" individual fixture sections with cylinders. 16", 35", 45", 57" and 69" individual fixture sections without cylinders.

Optics

Reflectors: Die-formed, pre-painted white steel; hammertone specular aluminum and specular aluminum.

ORDERING INFORMATION

Example: LF2FW 2 24T5HO U2 120 GEB10 SCT L/LP C224

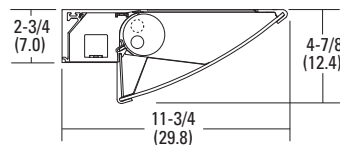
Series	Number of lamps	Lamp type	Nominal row length	Voltage	Ballast	Emergency
LF2FW	2	24T5HO 24W 2' T5HO	U1 1' ¹	120	GEB10 <10% THD electronic ballast	(blank) None
		39T5HO 39W 3' T5HO	U2 2'	277	SS SIMPLY5™ ^{2,3,5}	EL Emergency battery pack ³
		54T5HO 54W 4' T5HO	U3 3'	347	ADEZ Advance® Mark 10® dimming ^{2,3,4,5}	EC Emergency circuit
		80T5HO 80W 5' T5HO ²	U4 4'	ADZT Advance® Mark 7® 0-10v dimming ^{2,3,4,5}	EN Emergency battery pack with night-light circuit ³	
		28T5 28W 4' T5	U5 5'	ECO10 LUTRON® ECO-10 dimming ^{2,5}		
		21T5 21W 3' T5		OSDIM OSRAM® 0-10V dimming ^{2,3,4,5}		
		14T5 14W 2' T5		Reference Ballast Chart on website or consult factory for other options.		
		42TRT Sconce (1 lamp only) ²				
Switching		Lamp color	Finish	Options		
SCT	Single circuit	L/LP No lamp	C222 Bronze	DL	Damp location label	
DCT	Dual circuit ⁶	LP830 3000K 80+ CRI	C223 Silver	FEP	Flat endplate (no cylinder)	
		LP835 3500K 80+ CRI	C224 White	GLR	Fusing (fast blow)	
		LP841 4100K 80+ CRI		GMF	Fusing (slow blow)	
		LP830P 3000K 80+ CRI premier lamp ⁷		NYC	New York City code	
		LP835P 3500K 80+ CRI premier lamp ⁷				
		LP841P 4100K 80+ CRI premier lamp ⁷				
		Reference Lamp Chart on website or consult factory for other options.				

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

LAMP TYPE	LENGTH	LENGTH WITH CYLINDERS
42TRT	16"	21-5/8"
14T5, 24T5HO	35"	43"
21T5, 39T5HO	45"	53"
28T5, 54T5HO	57"	65"
80T5HO	69"	76"

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Sconce only.
- Not available in 347V.
- Available with U4 only.
- Not available with 28T5 lamp type.
- Not available with 42TRT or 80T5HO.
- Does not apply to sconce.
- T5 only.

LIGHTFOIL® 3



Construction

Materials: Extruded aluminum housing and cylinders (optional). Composite foil of two sheets of aluminum laminated to extruded thermoplastic core material.

Finish: Foil available in bronze, silver or white. Housing and cylinders painted to match.

Fixture length: 21-5/8", 43", 53", 65" and 76" individual fixture sections with cylinders. 16", 35", 45",

57" and 69" individual fixture sections without cylinders.

Optics

Reflectors: Die-formed, pre-painted white steel; hamertone specular aluminum and specular aluminum.

ORDERING INFORMATION

Example: LF3FW 3 24T5HO U2 120 GEB10 SCT L/LP C224

Series	Number of lamps	Lamp type	Nominal row length	Voltage	Ballast	Emergency
LF3FW	1 ¹	24T5HO 24W 2' T5HO	U1 1' ¹	120	GEB10 <10% THD electronic ballast	(blank) None
	3	39T5HO 39W 3' T5HO	U2 2'	277	SS SIMPLY5™ 2,4,7	EL Emergency battery pack ⁴
	4	54T5HO 54W 4' T5HO	U3 3'	347	ADEZ Advance® Mark 10® dimming ^{2,3,4,7}	EC Emergency circuit
		80T5HO 80W 5' T5HO ²	U4 4'		ADZT Advance® Mark 7® 0-10V dimming ^{2,3,4,7}	EN Emergency battery pack with night-light circuit ⁴
		28T5 28W 4' T5	U5 5'		ECO10 LUTRON® ECO-10 dimming ^{2,7}	
		21T5 21W 3' T5	Reference Ballast Chart on website or consult factory for other options.			
		14T5 14W 2' T5				
		57TRT Sconce (1 lamp only) ²				

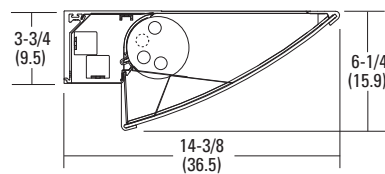
Switching	Lamp color	Finish	Options
SCT Single circuit	L/LP No lamp	C222 Bronze	DL Damp location label
DCT Dual circuit ⁵	LP830 3000K 80+ CRI	C223 Silver	FEP Flat endplate (no cylinder)
	LP835 3500K 80+ CRI	C224 White	GLR Fusing (fast blow)
	LP841 4100K 80+ CRI		GMF Fusing (slow blow)
	LP830P 3000K 80+ CRI premier lamp ⁶		NYC New York City code
	LP835P 3500K 80+ CRI premier lamp ⁶		
	LP841P 4100K 80+ CRI premier lamp ⁶		
Reference Lamp Chart on website or consult factory for other options.			

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

LAMP TYPE	LENGTH	LENGTH WITH CYLINDERS
57TRT	16"	21-5/8"
14T5, 24T5HO	35"	43"
21T5, 39T5HO	45"	53"
28T5, 54T5HO	57"	65"
80T5HO	69"	76"

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Sconce only.
- Not available in 347V.
- Not available with 28T5 lamp type.
- Available with U4 only.
- Does not apply to sconce.
- T5 only.
- Not available with 57TRT or 80T5HO.

PRODUCT INFORMATION

LIGHTFIN® LIGHTDUCT®



Construction
Materials: Extruded aluminum housing. Die-cast aluminum end cap.

Finish: Satin anodized or white polyester powder paint standard. End caps painted to match (C110 aluminum paint with satin anodized finish). Custom colors available.

Fixture length: 4', 8' and 12' individual fixture sections for nominal suspension spacing of 4', 8' and 12'. Add 4-1/2" for each end cap to determine total Fixture length. Using

internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics
Shielding: Die-punched slot pattern with opal diffuser overlay.

Reflectors: Die-formed, pre-painted white steel and hamertone specular aluminum.

ORDERING INFORMATION

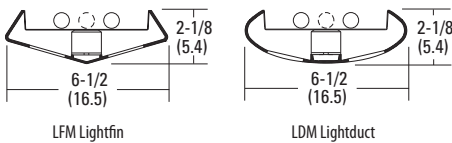
Example: LDM1 1 54T5HO 24FT R12 120 GEB10 2SE EL SCT LP835 C005 F1/24

Series	Number of lamps	Lamp type	Nominal row length ¹	Maximum section length	Voltage	Ballast	Number of emergency modules	Emergency
LFM1 Lightfin indirect	1	54T5HO	_FT	R4 4'	120	GEB10 <10% THD electronic ballast	(blank) None	(blank) None
LFM2 Lightfin indirect/open	2	28T5		R8 8'	277	S5 SIMPLY™ ²	1SE 1 section	EL Emergency battery pack
LDM1 Lightduct indirect	3			R12 12'	347	ADEZ Advance® Mark 10® dimming ^{2,3}	2SE 2 sections	EC Emergency/night-light circuit
LDM2 Lightduct indirect/open						ECO10 LUTRON® ECO-10 dimming ² OSDIM OSRAM® 0-10V dimming ^{2,3} Reference Ballast Chart on website or consult factory for other options.	XSE X sections	EN Emergency battery pack with night-light circuit

Switching	Lamp color	Finish	Options	Mounting/Overall suspension	Mounting accessories
SCT Single circuit	L/LP No lamp	C100 Satin anodized finish	DL Damp location label	Mounting	ACG Adjustable cable grippers
DCT Dual circuit	LP830 3000K 80+ CRI	C110 Painted silver to match anodized aluminum finish	DU Dust cover	F1/ T-bar ceiling (universal mounting bracket)	CP Chicago plenum
	LP835 3500K 80+ CRI	C200 Peerless standard white (low gloss)	ELH EM through-wire w/ separate feed	F1A/ T-bar ceiling (UMB with integrated J-box)	MCS Matching feed canopy at support
	LP841 4100K 80+ CRI	C005 Soft white (low gloss)	ELS EM through-wire w/ single feed	F2/ Hard ceiling (horizontal J-box)	OJB Offset J-box at feed location
	LP830P 3000K 80+ CRI premier lamp ⁴	C032 White white (gloss)	ELS2 Normal feed w/EM separate neutral (dual-feed cord)	F4A/ IDS clip 15/16" tee	
	LP835P 3500K 80+ CRI premier lamp ⁴	C041 White white (low gloss)	GLR Fusing (fast blow)	F4B/ IDS clip 9/16" tee	
	LP841P 4100K 80+ CRI premier lamp ⁴	C099 Custom color (consult factory)	GMF Fusing (slow blow)	F4C/ IDS clip screw slot	
	Reference Lamp Chart on website or consult factory for other options.				
				Overall suspension	
				12 12"	
				15 15"	
				18 18"	
				21 21"	
				24 24"	
				XX XX"	

ADDITIONAL INFORMATION For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Must be in 4' increments.
- 2 Not available in 347V.
- 3 Not available with 28T5 lamp type.
- 4 T5 only.

LIGHTFIN® LIGHTDUCT®

Wall



Construction

Materials: Extruded aluminum housing. Die-cast aluminum end plate.

Finish: Satin anodized or white polyester powder paint standard. End caps painted to match (C110 aluminum paint with satin anodized finish). Custom colors available.

Fixture length: 2', 3', 4', 8' and 12' individual fixture sections. Add 1/4" for each end cap to determine total Fixture length. Request submittal drawings for longer-length fixtures with joined 4', 8' and 12' sections.

Optics

Reflectors: Die-formed, pre-painted white steel; hammertone specular aluminum and microprismatic acrylic lens.

ORDERING INFORMATION

Example: LDDW 010003 T5HO 40FT R12 120 GEB10 LP835 C100

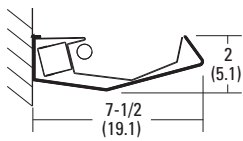
Series	Shielding	Lamp type	Nominal row length	Maximum section length	Voltage	Ballast	Number of emergency modules
LFDW Lightfin	010003 Indirect	T5	_FT	R2 2'	120	GEB10 <10% THD electronic	(blank) None
LDDW Lightduct		T5HO		R3 3'	277	S5 SIMPLY5™ 1,3	1SE 1 section
				R4 4'	347	ADEZ Advance® Mark 10® dimming ^{1,2,3}	2SE 2 sections
				R8 8'		ADZT Advance® Mark 7® 0-10V dimming ^{1,2,3}	XSE X sections
				R12 12'		ECO10 LUTRON® ECO-10 dimming ¹	
						OSDIM OSRAM® 0-10V dimming ^{1,2,3}	
Reference Ballast Chart on website or consult factory for other options.							

Emergency	Switching	Lamp color	Finish	Options
(blank) None	SCT Single circuit	L/LP No lamp	C005 Soft white (low gloss)	DL Damp location label
EL Emergency battery pack ²		LP830 3000K 80+ CRI	C032 White white (gloss)	DU Dust cover
EC Emergency circuit		LP835 3500K 80+ CRI	C041 White white (low gloss)	ELH EM through-wire w/ separate feed
EN Emergency battery pack with night-light circuit ²		LP841 4100K 80+ CRI	C100 Satin anodized finish	ELS EM through-wire w/ single feed
		LP830P 3000K 80+ CRI premier lamp ⁴	C110 Painted silver to match anodized aluminum finish	ELS2 Normal feed w/ EM separate neutral
		LP835P 3500K 80+ CRI premier lamp ⁴	C200 Peerless white (low gloss)	GLR Fusing (fast blow)
		LP841P 4100K 80+ CRI premier lamp ⁴	C099 Custom color	GMF Fusing (slow blow)
		Reference Lamp Chart on website or consult factory for other options.		NYC New York City code

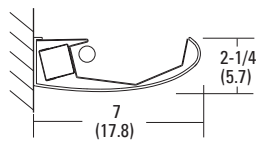
ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



LFDW Lightfin



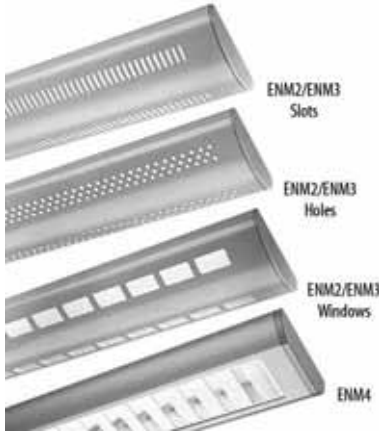
LDDW Lightduct

Notes

- 1 Not available in 347V.
- 2 Available only with 54T5HO lamp type.
- 3 Not available with R2 or R3.
- 4 T5 only.

PRODUCT INFORMATION

ENVISION®



Construction
Materials: Extruded aluminum housing. Die-cast end cap.

Finish: Satin anodized or white polyester powder paint standard. End caps painted to match (C110 aluminum paint with satin anodized finish). Custom colors available.

Fixture length: 4'-1/4", 8' and 12' individual fixture sections for nominal suspension spacing of 4', 8' and 12'. Add 9/16" for each end cap to determine total Fixture length. Using internal joiners, 4', 8' and 12'

sections can be joined to form longer-length fixtures.

Optics
Shielding: Die-punched pattern (holes, slots or windows) ENM2 and ENM3. Prismatic acrylic lens with the windows option. The difference between ENM2 and ENM3 is the position of the lamps. ENM2 indirect/open has a lower direct component than ENM3 indirect/Lightvent™. Parabolic, semi-specular or white painted aluminum louvers on ENM4 and VisorOptic™

opal diffuser lamp shield with T5 or T5HO.

Reflectors: Die-formed, pre-painted white steel; hamertone specular aluminum and specular aluminum.

ORDERING INFORMATION

Example: ENM1 1 32 40FT R12 120 GEB 2SE EL SCT LP730 C100 F1/24

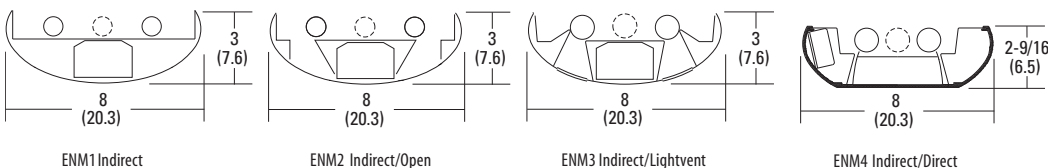
Series	Number of lamps	Lamp type	Shielding ³	Baffle ⁴	Nominal row length ⁵	Maximum section length	Voltage	Ballast	Number of emergency modules
ENM1 Indirect	1 ¹	32 32W T8	HOL Holes	SSB Semi-specular baffle	_FT	R4 4'	120	GEB <20% THD electronic ballast (T8 only)	(blank) None
ENM2 Indirect/open	2	54T5HO 54W T5HO ²	WIN Windows	WPB White painted baffle		R8 8'	277	GEB10 <10% THD ballast	1SE 1 section
ENM3 Indirect/Lightvent™	3	28T5 28W T5 ²	SLT Slots			R12 12'	347	S5 SIMPLYS™ 6,8	2SE 2 sections
ENM4 Indirect/direct								ADEZ Advance® Mark 10® dimming ^{6,7}	XSE X sections
								ADZT Advance® Mark 7® (0-10V) dimming ^{6,7}	
								ECO10 LUTRON® ECO-10 dimming ⁶	
								OSDIM OSRAM® 0-10V dimming ^{6,7,8}	
								TUDA ULT (0-10V) dimming ^{6,11}	
								Reference Ballast Chart on website or consult factory for other options.	

Emergency	Switching	Lamp color	Finish	Options	Mounting/Overall suspension	Mounting/accessories
(blank) None	SCT Single circuit	L/LP No lamp	LP830P 3000K 80+ CRI premier lamp ¹⁰	C100 Satin anodized finish	DL Damp location label	ACG Adjustable cable grippers
EL Emergency battery pack	DCT Dual circuit	LP730 3000K 70+ CRI ⁹	LP835P 3500K 80+ CRI premier lamp ¹⁰	C200 Peerless white (low gloss)	DU Dust cover	CP Chicago plenum
EC Emergency circuit		PL735 3500K 70+ CRI ⁹	LP841P 4100K 80+ CRI premier lamp ¹⁰	C005 Soft white (low gloss)	ELH EM through-wire w/ separate feed	MCS Matching feed canopy at support
EN Emergency battery pack with night-light circuit		LP741 4100K 70+ CRI ⁹	Reference Lamp Chart on website or consult factory for other options.	C032 White white (gloss)	ELS EM through-wire w/ single feed	OJB Offset J-box at feed location
		LP830 3000K 80+ CRI		C041 White white (low gloss)	GLR Fusing (fast blow)	
		PL835 3500K 80+ CRI		C099 Custom color (consult factory)	GMF Fusing (slow blow)	
		LP841 4100K 80+ CRI		C110 Painted silver to match anodized aluminum	NYC New York City code	
					F1/ T-bar ceiling (universal mounting bracket)	
					F1A/ T-bar ceiling (UMB with integrated J-box)	
					F2/ Hard ceiling (horizontal J-box)	
					F4A/ IDS clip 15/16" tee	
					F4B/ IDS clip 9/16" tee	
					F4C/ IDS clip screw slot	

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Not available with ENM3.
- 2 Only available with 1- or 2-lamp ENM4.
- 3 ENM2 and ENM3 only.
- 4 ENM4 only.
- 5 Must be in 4' increments.
- 6 Not available in 347V.
- 7 Not available with 28T5 lamp type.
- 8 Not available with 32 T8 lamp type.
- 9 T8 only.
- 10 T5 only.
- 11 Not available with 54T5HO lamp type.

ENVISION[®]

Wall



Construction

Materials: Extruded aluminum housing. Die-cast aluminum end cap.

Finish: Satin anodized or white polyester powder paint standard. End caps painted to match (C110 aluminum paint with satin anodized finish). Custom colors available.

Fixture length: 2', 3', 4', 8' and 12' individual fixture sections. Add 1/4" for each end cap to determine total Fixture length. Using internal joiners, 2', 3', 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics

Reflector: Die-formed pre-painted white steel and ham-mertone specular aluminum.

ORDERING INFORMATION

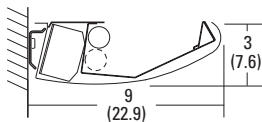
Example: EN1W 020006 T8 24FT R12 120 GEB10 SCT L/LP C100

Series	Shielding	Lamp type	Nominal row length	Maximum section length	Voltage	Ballast	Number of emergency modules
EN1W	010005 1 lamp	T8	___FT	R2 2'	120	GEB <20% THD electronic	(blank) None
	020006 2 lamp			R3 3'	277	GEB10 <10% THD electronic	1SE 1 section
				R4 4'	347	ADEZ Advance [®] Mark 10 [®] dimming ¹	2SE 2 sections
				R8 8'		ADZT Advance [®] Mark 7 [®] (0-10V) dimming ¹	XSE X sections
				R12 12'		ECO10 LUTRON [®] ECO-10 dimming ¹	
Reference Ballast Chart on website or consult factory for other options.							
Emergency		Switching	Lamp color		Finish		Options
(blank) None		SCT Single circuit	L/LP	No lamp	C100	Satin anodized aluminum	CFG Configuration (contact factory)
EL Emergency battery pack ²		DCT Dual circuit	LP730	3000K 70+ CRI	C110	Painted silver to match anodized aluminum finish	DL Damp location label
EC Emergency circuit			LP735	3500K 70+ CRI	C200	Peerless white (low gloss)	DU Dust cover
EN Emergency pack with night-light circuit ²			LP741	4100K 70+ CRI	C005	Soft white (low gloss)	ELH EM through-wire with separate feed
			LP830	3000K 80+ CRI	C032	White white (gloss)	ELS EM through-wire with single feed
			LP835	3500K 80+ CRI	C041	White white (low gloss)	ELS2 Normal feed w/ EM separate neutral (fast blow)
			LP841	4100K 80+ CRI	C099	Custom color (consult factory)	GLR Fusing (fast blow)
			Reference Lamp Chart on website or consult factory for other options.				GMF Fusing (slow blow)
							NYC New York City code

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Not available in 347V.
- 2 Not available with R2 or R3.

PRODUCT INFORMATION

CLASSIC ROUND

LD6



Construction
Materials: One- or two- piece extruded aluminum housing. Die- cast aluminum end cap.

Finish: Satin anodized or white polyester powder paint standard. End caps painted to match (C110 aluminum paint with satin anodized finish). Custom color available.

Fixture length: 4', 8' and 12' nominal fixture sections. Request submittal drawings

for longer-length fixtures with joined 4', 8' and 12' sections.

Optics
Shielding: Select up and down shielding of solid, acrylic prismatic lens, white painted baffle or open (up only). Select aperture openings of 60°, 90° or 120°.

Reflectors: Die-formed, pre-painted white steel.

ORDERING INFORMATION

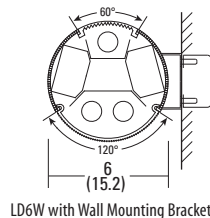
Example: LD6 010000 T8 24FT R12 120 GEB SCT LP730 C100 F1/24

Series	Shielding ¹	Lamp type	Nominal row length	Maximum section length	Voltage	Ballast
LD6 Suspended	1 lamp up	1 lamp down	2 lamps down	411206 Lens/lens	T8 ²	___FT
LD6W Wall	010000 Open	101100 Baffle	102102 Baffle	411656 Open/lens		R4 4'
	010100 Baffle	101200 Lens	102203 Lens			R8 8'
	010200 Lens	101201 Lens	1 lamp up, 1 lamp down	2 lamps up, 1 lamp down		R12 12'
	310202 Lens	101202 Lens		321203 Lens/lens		
	310652 Open/lens	201103 Baffle/baffle	211104 Baffle/baffle	321653 Open/lens		
	2 lamps up	201203 Lens/lens	211204 Lens/lens			
	020004 Open	201503 Open/baffle	211504 Open/baffle	1 lamp up, 2 lamps down		
	020102 Baffle	201653 Open/lens	211654 Open/lens			
	020202 Lens	201753 Lens/baffle	211754 Lens/baffle	412205 Lens/lens		
		401204 Lens/lens	311204 Lens/lens	412655 Open/lens		
		401654 Open/lens	311654 Open/lens			

Number of emergency modules	Emergency	Switching	Lamp color	Finish	Options	Mounting/Overall suspension ⁴	Mounting accessories
(blank) None	(blank) None	SCT Single circuit	L/LP No lamp	C041 White white (low gloss), standard	CFG Configuration	Mounting	CP Chicago plenum (FIA mounting only)
1SE 1 section	EL Emergency battery pack	DCT Double circuit	LP730 3000K 70+ CRI	C100 Satin anodized finish	DL Damp location label	F1/ T-bar ceiling (universal mounting bracket)	MCS Matching feed canopy at support
2SE 2 sections	EC Emergency circuit		LP735 3500K 70+ CRI		ELH EM through-wire harness	F1A/ T-bar ceiling (UMB with integrated J-box)	OJB Offset J-box at feed location
XSE X sections	EN Emergency battery pack with night-light circuit		LP830 3000K 80+ CRI	C110 Painted silver to match anodized aluminum finish	ELS EM through-wire harness with single feed	F2/ Hard ceiling (horizontal J-box)	
			LP835 3500K 80+ CRI	C200 Peerless white (low gloss)	ELS2 Normal feed w/ EM separate neutral (dual-feed cord)	F3/ Rigid stem	
			LP841 4100K 80+ CRI	C005 Soft white (low gloss)		F4A/ Grid ceiling IDS 15/16"	
			Reference Lamp Chart on website or consult factory for other options.	C032 White white (gloss)	GLR Fusing (fast blow)	F4B/ Grid ceiling IDS 9/16"	
				C099 Custom color (consult factory)	GMF Fusing (slow blow)	F4C/ Grid ceiling IDS screw slot	
					NYC New York City code		

ADDITIONAL INFORMATION For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Sample: LD6 4 1 2 2 0.5

Aperture (Up/Down)	# of Lamps Up	# of Lamps Down	Shielding (Up/Down)
0 120°/0			000-099 Open/solid
1 0°/120°			100-174 Baffle/solid
2 90°/90°			200-449 Lens/solid
3 120°/60°			500-599 Open/baffle
4 60°/120°			650-749 Open/lens
			750-849 Lens/baffle

- Notes**
- See shielding decoder below.
 - T5, T5HO available with some shielding options. Consult factory for more information.
 - Not available in 347V.
 - Not required with LD6W.

CLASSIC ROUND

LD9



LD9 Solid/Baffle Direct

LD9 Solid/Lens Direct

Construction

Materials: One- or two- piece extruded aluminum housing. Die-cast aluminum end cap.

Finish: Satin anodized or white polyester powder paint standard. End caps painted to match (C110 aluminum paint with satin anodized finish). Custom color available.

Fixture length: 4', 8' and 12' nominal fixture sections. Request submittal drawings

for longer-length fixtures with joined 4', 8' and 12' sections.

Optics

Shielding: Select up and down shielding of solid, acrylic prismatic lens, white painted baffle or open (up only). Select aperture openings of 90° or 120°.

Reflectors: Die-formed pre-painted white steel.

ORDERING INFORMATION

Example: LD9 211650 T8 36FT R12 277 GEB10 EL SCT L/LP C100 GMF F1/24

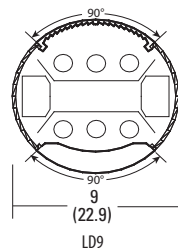
Series	Shielding ¹	Lamp type	Nominal row length	Maximum section length	Voltage	Ballast
LD9 Suspended	1 lamp up	222500	Open/baffle	3 lamps up, 2 lamps down	T8 ²	<20% THD electronic ballast
LD9W Wall	010000 Open	030004	Open	102102 Baffle	___FT	R4 4'
	010100 Baffle	030104	Baffle	102201 Lens		R8 8'
	010200 Lens	030203	Lens	102201 Lens		R12 12'
	2 lamps up	030203	Lens	1 lamp up, 1 lamp down		347
	020001 Open	101100	Baffle	211200 Lens/lens		GEB10 <10% THD electronic ballast
	020102 Baffle	101200	Lens	211650 Open/lens		ADEZ Advance [®] Mark 10 [°] dimming ³
	020202 Lens	103103	Baffle	223101 Baffle/baffle		ADZT Advance [®] Mark 7 [°] 0-10V dimming ³
		103202	Lens	223202 Lens/lens		ECO10 LUTRON [®] ECO-10 dimming ³
				222100 Baffle/baffle		Reference Ballast Chart on website or consult factory for other options.
				222201 Lens/lens		
				222651 Open/lens		
				222750 Lens/baffle		
				232502 Open/baffle		
				232653 Open/lens		
				232751 Lens/baffle		
				233101 Baffle/baffle		
				233103 Baffle/baffle		
				233204 Lens/lens		
				233503 Open/baffle		
				233654 Open/lens		
				233752 Lens/baffle		

Number of emergency modules	Emergency	Switching	Lamp color	Finish	Options	Mounting/Overall suspension ⁴	Mounting accessories
(blank) None	(blank) None	SCT Single circuit	L/LP No lamp	C041 White white (low gloss)	CFG Configuration	Mounting	CP Chicago plenum (F1A mounting only)
1SE 1 section	EL Emergency battery pack	DCT Double circuit	LP730 3000K 70+ CRI	C100 Satin anodized finish	DL Damp location label	F1/ T-bar ceiling (universal mounting bracket)	MCS Matching feed canopy at support
2SE 2 sections	EC Emergency circuit		LP741 4100K 70+ CRI	C110 Painted silver to match anodized aluminum finish	ELH EM through-wire harness	F1A/ T-bar ceiling (UMB with integrated J-box)	OJB Offset J-box at feed location
XSE X sections	EN Emergency battery pack with night-light circuit		LP830 3000K 80+ CRI	C200 Peerless white (low gloss)	ELS EM through-wire harness with single feed	F2/ Hard ceiling (horizontal J-box)	
			LP835 3500K 80+ CRI	C005 Soft white (low gloss)	ELS2 Normal feed w/ EM separate neutral (dual-feed cord)	F3/ Stem mount	
			LP841 4100K 80+ CRI	C032 White white (gloss)	GLR Fusing (fast blow)	F4A/ Grid ceiling IDS 15/16"	
			Reference Lamp Chart on website or consult factory for other options.	C099 Custom color (consult factory)	GMF Fusing (slow blow)	F4B/ Grid ceiling IDS 9/16"	
					NYC New York City code	F4C Grid ceiling IDS screw slot	

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Sample: LD9 2 3 3 7 5 2

Aperture (Up/Down)	# of Lamps Up	# of Lamps Down	Shielding (Up/Down)
0	120°/0		000-099 Open/solid
1	0/120°		100-174 Baffle/solid
2	90°/90°		200-449 Lens/solid
3	120°/60°		500-599 Open/baffle
4	60°/120°		650-749 Open/lens
			750-849 Lens/baffle

Notes

- See shielding decoder below.
- T5, T5HO available with some shielding options. Consult factory for more information.
- Not available in 347V.
- Not required with LD9W.

PRODUCT INFORMATION

PEERLESS COVE



Construction
Materials: Die-formed, cold-rolled steel housing and end plate.

lens. Material composition varies with lamping and fixture style.

Finish: Pre-painted white.

Fixture length: 2', 3', 4' and 8' sections. Install sections end-to-end to fit cove length.

Optics
Reflectors: Die-formed, pre-painted white steel; hammertone specular aluminum; specular aluminum and micro-prismatic acrylic



ORDERING INFORMATION

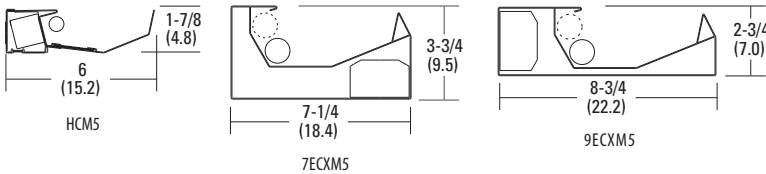
Example: HCM5 1 54T5HO U8 277 GEB10 SCT LP835

Series	Number of lamps	Lamp type	Nominal row length	Voltage	Ballast ²	Emergency
HCM5	1	54T5HO 4' 54W T5HO	U2 2'	120 120V	GEB <20% THD electronic ballast (T8 only)	(blank) None
7ECXMS	2 ¹	39T5HO 3' 39W T5HO	U3 3'	277 277V	GEB10 <10% THD electronic ballast	EL Emergency battery pack ⁵
9ECXMS		24T5HO 2' 24W T5HO	U4 4'	347 347V	ADEZ Advance [®] Mark 10 [®] dimming ^{2,3}	EC Emergency circuit
		28T5 4' 28W T5	U8 8'	MVOLT 120/277V	ADZT Advance [®] Mark 7 [®] (0-10V) ^{2,3}	EN Emergency battery pack with night-light circuit ⁵
		21T5 3' 21W T5			ECO10 LUTRON [®] ECO-10 dimming ²	
		14T5 2' 14W T5			OSDIM OSRAM [®] 1-10V dimming ^{2,4}	
		32 4' 32WT8 ¹			Reference Ballast Chart on website or consult factory for other options.	
		25 3' 25WT8 ¹				
		17 2' 17WT8 ¹				
Switching		Lamp color			Options	
SCT	Single circuit	L/LP	No lamp	LP830P	3000K 80+ CRI premier lamp ⁷	DL Damp location label
DCT	Dual circuit	LP730	3000K 70+ CRI ⁶	LP835P	3500K 80+ CRI premier lamp ⁷	DU Dust cover
		LP735	3500K 70+ CRI ⁶	LP841P	4100K 80+ CRI premier lamp ⁷	GLR Fusing (fast blow)
		LP741	4100K 70+ CRI ⁶	Reference Lamp Chart on website or consult factory for other options.		GMF Fusing (slow blow)
		LP830	3000K 80+ CRI			NYC New York City code
		LP835	3500K 80+ CRI			
		LP841	4100K 80+ CRI			

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

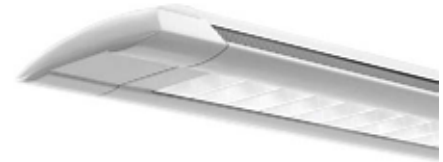
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 7ECXMS and 9ECXMS only.
- 2 Not available in 347V.
- 3 32T8 and 54T5HO only.
- 4 54T5HO only.
- 5 Not available with U2 or U3.
- 6 T8 only.
- 7 T5 only.

MIRAGE®



Construction

Materials: Extruded aluminum housing. Die-cast aluminum end cap.

Finish: Satin anodized standard, custom colors available. Black perforated side strips.

Fixture length: 4'-1/4", 8' and 12' individual fixture sections for nominal suspension spacing of 4', 8' and 12'. Add 4-1/4" for each end cap to determine total Fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics

Shielding: Parabolic satin aluminum louvers with luminous edges. VisorOptic™ opal diffuser with TSHO lamping.

Reflectors: Die-formed hamertone specular aluminum.



ORDERING INFORMATION

Example: MRM4 1 54T5HO 40FT R12 120 GEB10 2SE EL SCT LP835 C100 F1/24

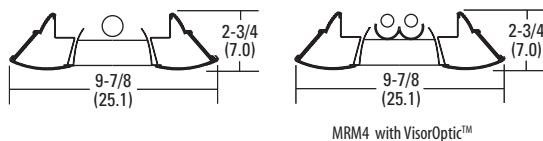
Series	Number of lamps	Lamp type	Nominal row length ¹	Maximum section length	Voltage	Ballast	Number of emergency sections	Emergency
MRM4	1	54T5HO 54W TSHO	_FT	R4 4'	120	GEB10 <10% THD ballast	(blank) None	(blank) None
	2	28T5 28W T5		R8 8'	277	S5 SIMPLY5™ 2.4	1SE 1 section	EL Emergency battery pack
		32 32W T8		R12 12'	347	ADEZ Advance® Mark 10® dimming ^{2,3} ADZT Advance® Mark 7® 0-10V dimming ^{2,3} ECO10 LUTRON® ECO-10 dimming ² OSDIM OSRAM® 0-10V dimming ^{2,3,4} TUDA ULT 0-10V dimming ^{2,7}	2SE 2 sections XSE X sections	EC Emergency circuit EN Emergency battery pack with night-light circuit
						Reference Ballast Chart on website or consult factory for other options.		

Switching	Lamp color	Finish	Options	Mounting/Overall suspension	Mounting accessories	
SCT Single circuit	L/LP No lamp	LP830P 3000K 80+ CRI premier lamp ⁶	C100 Satin anodized finish	DL Damp location label	ACG Adjustable cable grippers	
DCT Dual circuit	LP730 3000K 70+ CRI ⁵	LP835P 3500K 80+ CRI premier lamp ⁶	C110 Painted silver to match anodized aluminum	ELH EM through-wire w/ separate feed	CP Chicago plenum	
	LP735 3500K 70+ CRI ⁵	LP841P 4100K 80+ CRI premier lamp ⁶	C200 Peerless standard white (low gloss)	ELS EM through-wire w/ single feed	MCS Matching feed canopy at support	
	LP741 4100K 70+ CRI ⁵	Reference Lamp Chart on website or consult factory for other options.	C005 Soft white (low gloss)	ELS2 Normal feed w/ EM separate neutral (dual-feed cord)	F2/ Hard ceiling (horizontal J-box)	OJB Offset J-box at feed location
	LP830 3000K 80+ CRI		C032 White white (gloss)	GLR Fusing (fast blow)	F4A/ IDS clip 15/16" tee	
	LP835 3500K 80+ CRI		C041 White white (low gloss)	GMF Fusing (slow blow)	F4B/ IDS clip 9/16" tee	
	LP841 4100K 80+ CRI		C099 Custom color (consult factory)		F4C/ IDS clip screw slot	

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Must be in 4' increments.
- 2 Not available in 347V.
- 3 Not available with 28T5.
- 4 Not available with 32T8.
- 5 T8 only.
- 6 T5 only.
- 7 Not available with 54T5HO.

PRODUCT INFORMATION

AERO ENZO®



Construction

Materials: Die-formed cold-rolled steel housing. Flat steel end plate.

Finish: Fine-textured white polyester powder paint standard; custom colors available.

Fixture length: 4', 8' and 12' individual fixture sections for nominal suspension spacing of 4', 8' and 12'. Add 1/16" for each standard end cap to determine total Fixture length. Using internal joiners, 4', 8' and 12' sections can be joined to form longer-length fixtures.

Optics

Reflectors: Die-formed, pre-painted white steel or specular aluminum.

Shielding: Partially perforated windows on AEM2 and EZM2. Continuous perforated window with option CWIN on AEM2 and EZM2.

ORDERING INFORMATION

Example: AEM1 1 54T5HO WHR 40FT R12 277 GEB10 2SE EL SCT LP841 C518 GLR F1/24

Series	Number of lamps	Lamp type	Reflector	Shielding ¹	Nominal row length ²	Maximum section length	Voltage	Ballast
AEM1 Aero indirect	1	54T5HO	WHR White reflector	(blank) None	_FT	R4 4'	120	GEB10 <10% THD electronic ballast
AEM2 Aero indirect/direct	2	28T5	SPR Specular reflector	CWIN Continuous perforated window		R8 8'	277	ADEZ Advance® Mark 10® dimming ^{3,4}
EZM1 Enzo indirect						R12 12'	347	ECO10 LUTRON® ECO-10 dimming ³
EZM2 Enzo indirect/direct								OSDIM OSRAM® 0-10V dimming ^{3,4}

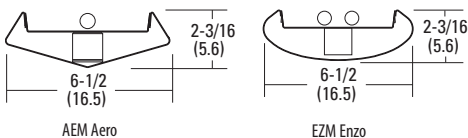
Reference Ballast Chart on website or consult factory for other options.

Number of emergency modules ⁵	Emergency	Switching	Lamp color	Finish	Options	Mounting/Overall suspension	Mounting accessories
(blank) None	(blank) None	SCT Single circuit	L/LP No lamp	C110 Painted silver to match anodized aluminum finish	DL Damp location label	Mounting F1/ T-bar ceiling (universal mounting bracket)	ACG Adjustable cable grippers
1SE 1 section	EL Emergency battery pack	DCT Dual circuit	LP830 3000K 80+ CRI	C518 Textured white white (low gloss)	DU Dust cover	Overall suspension 12 12"	CP Chicago plenum
2SE 2 sections	EC Emergency/night-light circuit	EN Emergency battery pack with night-light circuit	LP835 3500K 80+ CRI		ELH EM through-wire w/ separate feed	15 15"	MCS Matching feed canopy at support
XSE X sections			LP841 4100K 80+ CRI	ELS EM through-wire w/ single feed	18 18"	OJB Offset J-box at feed location	
			LP830P 3000K 80+ CRI premier lamp ⁵	C099 Custom color (consult factory)	ELS2 Normal feed w/ EM separate neutral (dual-feed cord)	F2/ Hard ceiling (horizontal J-box)	
			LP835P 3500K 80+ CRI premier lamp ⁵		GLR Fusing (fast blow)	F4A/ IDS clip 15/16" tee	
			LP841P 4100K 80+ CRI premier lamp ⁵		GMF Fusing (slow blow)	F4B/ IDS clip 9/16" tee	
			Reference Lamp Chart on website or consult factory for other options.		NYC New York City code	F4C/ IDS clip screw slot	

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

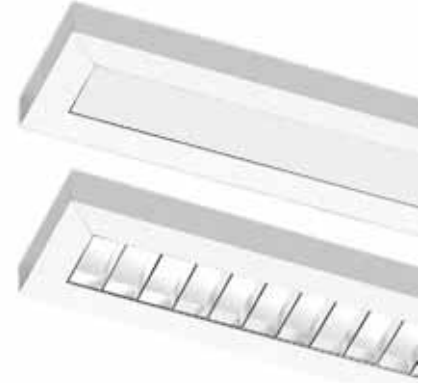
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 EZM2 and AEM2 only.
- 2 Must be in 4' increments.
- 3 Not available in 347V.
- 4 Not available with 28T5 lamp type.
- 5 T5 only.

PLANAR



Construction

Materials: Extruded and mitered aluminum housing and end cap.

Finish: Matte white standard; custom colors available.

Fixture length: 4' and 8' individual fixture sections. Request submittal drawings for longer-length fixtures with joined 4' and 8' sections.

Optics

Shielding: Parabolic semi-specular aluminum louvers or soft white acrylic diffuser.

Opal acrylic diffuser overlay above louvers optional.

Reflectors: Die-formed diffuse aluminum.

ORDERING INFORMATION

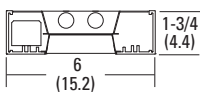
Example: PLA IND 4FT 2 T5 CG EB 120 SW WE

Series	Run information	Length ²	Number of lamps	Lamp type ³	Mounting
PLA Planar	IND Individual	10FT Nominal 120"	1	T5	CG Cable and gripper 15'
	BOR Beginning of row ¹	8FT Nominal 96"	2	T5HO	SY Split "Y"
	INT Intermediate ¹	6FT Nominal 72"			
	EOR End of row ¹	4FT Nominal 48"			
			3FT Nominal 36"		
		2FT Nominal 24"			
Ballast ⁴	Voltage	Shielding	Finish ⁵	Options	
EB Electronic	120	PB Parabolic diffuse aluminum baffle	WE Matte white	EMPK Emergency battery pack (limited to 1.18" wide x 1.00" high)	
EDB Electronic dimming (micro-case only, limited to 1.18" wide x 1.00" high)	277	SW Soft white acrylic			
		PBO Parabolic diffuse aluminum baffle with white acrylic overlay			

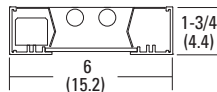
ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PLA with PB Parabolic Baffle



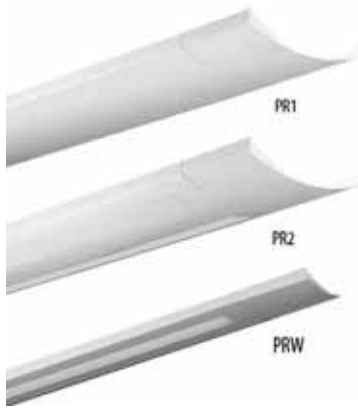
PLA with SW Soft White Acrylic

Notes

- 1 Consult factory for continuous run.
- 2 Consult factory for continuous rows.
- 3 Lamp provided by others.
- 4 Consult factory for specific ballast options.
- 5 Custom colors available; consult factory.

PRODUCT INFORMATION

PROCYON



Construction

Materials: Die-formed, cold-rolled steel housing. Die-cast aluminum end cap.

Reflector: Die-formed semi-specular aluminum.

Finish: Matte white standard; custom colors available.

Fixture length: 4' and 8' individual fixture sections. Request submittal drawings for longer-length fixtures with joined 4' and 8' sections.

Optics

Shielding: Perforated side panels with soft white acrylic overlay on PR1 and PRW.

ORDERING INFORMATION

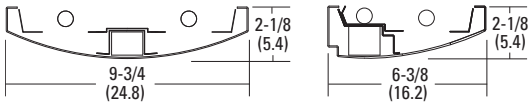
Example: PR1 IND 4FT 2 54T5HO CG EB 120 WE 2EC

Series	Run information	Length	Number of lamps	Lamp type ⁴	Mounting ⁵	Ballast
PR1 Perforated steel	IND Individual	4 FT Nominal	1 ²	54T5HO 54W T5HO	CG 15' cable and gripper	EB Electronic
PR2 Solid	INT Intermediate ¹	8 FT Nominal	2	28T5 28W T5		
PRW Perforated steel wall	BOR Beginning of row ¹ EOR End of row ¹		3 ³			
Voltage		Finish ⁶	Endcap ^{5,7}	Options		
120 277		WE Matte white	_EC	EMPK Emergency battery pack (small case only)		

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PR1 Perforated Steel/PR2 Solid

PRW Perforated Steel Wall

Notes

- 1 Consult factory for continuous runs.
- 2 Not available with PR1.
- 3 Not available with PRW.
- 4 Lamps provided by others.
- 5 Not required on PRW.
- 6 Custom colors available; consult factory.
- 7 Specify quantity (2 required per run).

FOCUS 58



Construction

Materials: Extruded aluminum housing. Die-cast aluminum end cap (half-round or square).

Finish: Matte white standard; custom colors available.

Fixture length: 4' and 8' individual fixture sections. Request submittal drawings for longer-length fixtures with joined 4' and 8' sections.

Optics

Shielding: Parabolic semi-specular aluminum baffle,

clear linear-ribbed lens, soft white acrylic panel or concave perforated steel panel.

Reflectors: Die-formed, pre-painted white steel.

ORDERING INFORMATION

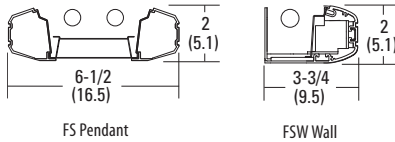
Example: FS IND 8FT 2 32T8 CG EB 120 SW WE 2HR

Series	Run information	Length	Number of lamps	Lamp type ⁴	Mounting ⁵	Ballast	Voltage
FS Pendant	IND Individual	4FT Nominal	1 ²	32T8 32W T8	CG 15' cable and gripper	EB Electronic	120
FSW Wall	BOR Beginning of row ¹	8FT Nominal	2 ³	28T5 28W T5	S18 18" stem		277
	INT Intermediate ¹			54T5HO 54W T5HO	S24 24" stem		
	EOR End of row ¹						
Shielding		Finish ⁶	Endcap ⁷	Options			
CP	Concave perforated panel	WE Matte white		_HR Half round	EMPK Emergency battery pack		
PLSS	Parabolic diffuse aluminum baffle			_SQ Square			
LR	Clear linear-ribbed lens						
SW	Soft white acrylic panel						

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Consult factory for continuous runs.
- 2 1 lamp available only with FSW.
- 3 2 lamps available only with FS.
- 4 Lamps provided by others.
- 5 Not required on FSW.
- 6 Custom color available; consult factory.
- 7 Specify quantity (2 required per run).

PRODUCT INFORMATION

QUICKSILVER



Construction

Materials: Extruded aluminum housing. Flat aluminum end plate.

Finish: Natural anodized standard; custom colors available.

Fixture length: 4' and 8' individual fixture sections. Request submittal drawings for longer-length fixtures with joined 4' and 8' sections.

Optics

Shielding: Specular aluminum louvers. Parabolic side-rails slotted to provide uplight.

Reflectors: Die-formed specular aluminum.

ORDERING INFORMATION

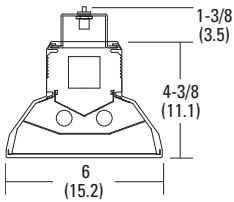
Example: QSI P 4FT 2 28T5 CG ET5 120 NA

Series	Mounting method	Length	Number of lamps	Lamp type ¹	Mounting	Ballast	Voltage	Finish ³	Options
QSI	P Pendant	4FT Nominal	1	28T5 28W T5	CG Cable and gripper	ET5 Electronic T5	120	NA Natural anodized aluminum	EMPK Emergency battery pack
		8FT Nominal	2	54T5HO 54W T5HO		EDT5 Electronic dimming T5			
				32T8 32W T8 ²		ET8 Electronic T8			
						EDT8 Electronic dimming T8			

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Lamps provided by others.
- 2 Available with 2 lamps only.
- 3 Custom colors available; consult factory.

WINGSPAN

Construction

Materials: Extruded aluminum, smooth or fluted spine. Flat steel end plate with WSFS and WSFF. Flat steel end plate and white acrylic halo on WSS and WSF.

Finish: Matte white standard; custom colors available.

Fixture length: 4' and 8' individual fixture sections. Request submittal drawings for longer-length fixtures with joined 4' and 8' sections.

Optics

Shielding: Soft white acrylic or perforated steel wings.

Reflectors: Die-formed, pre-painted white steel and semi-specular aluminum.



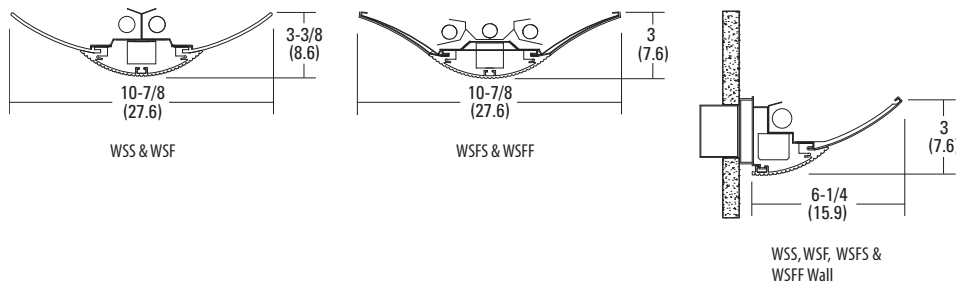
Example: WSS P IND 8FT 2 54T5HO CG EB 120 SW WE

Series		Mounting method	Run information	Length	Number of lamps	Lamp type ³	Mounting ⁴
WSS	Wingspan (halo ends / smooth spine)	P Pendant (cable)	IND Individual	4FT	1 ²	28T5 28W T5	CG Cable and gripper
WSF	Wingspan (halo ends / fluted spine)	W Wall	BOR Beginning of row ¹	8FT	2	54T5HO 54W T5HO	SY Split "Y" cabling
WSFS	Wingspan (full ends / smooth spine)		INT Intermediate ¹		3		
WSFF	Wingspan (full ends / fluted spine)		EOR End of row ¹				
Ballast		Voltage	Shielding	Finish ⁵	Options		
EB	Electronic	120	SW Soft white acrylic	WE Matte white	EMPK Emergency battery pack		
EDB	Electronic dimming	277	PF Perforated steel				

ADDITIONAL INFORMATION

For additional product information, visit www.peerless-lighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

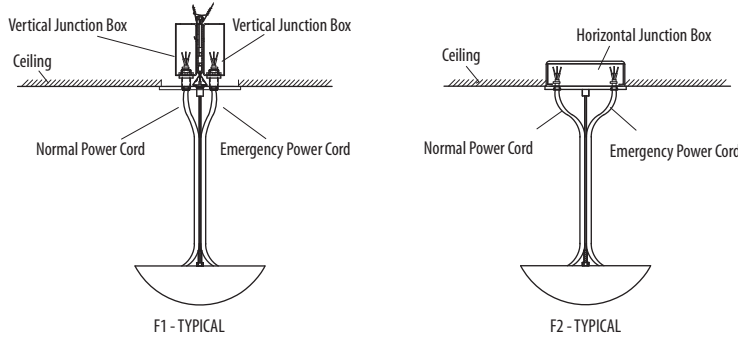


Notes

- 1 Consult factory for continuous runs.
- 2 1 lamp is available for wall-mounted only.
- 3 Consult factory for specific ballast options.
- 4 Omit for wall-mounted.
- 5 Custom colors available; consult factory.

General Options

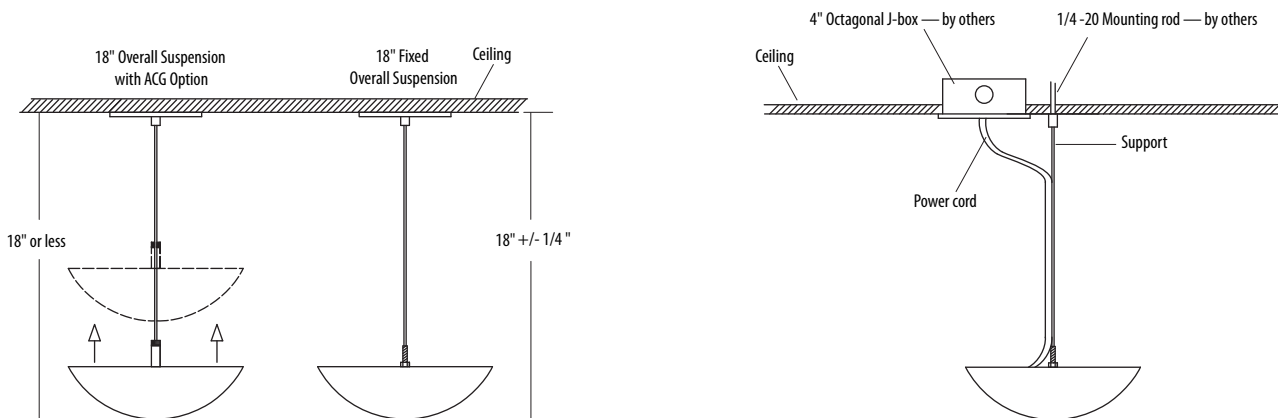
- DL Damp location label. Fixtures will be shipped compliant with UL requirements for damp location fixtures.
- DU Clear plastic dust cover.
- ELH Current load permitting, all emergency lighting modules are powered by through-wires to one emergency power feed location. The emergency lighting power feed is located at the last support in the fixture run. ELH provides separate neutrals for emergency and normal power throughout the fixture. Check local code for compliance. See Emergency Lighting Options and Example Runs for further information.
- ELS Current load permitting, all emergency lighting modules are powered by a continuous through-wire to one emergency power feed location. The emergency lighting power feed is located at the first support point in the fixture run and combined within the normal power feed cord, sharing a common neutral. Check local code for compliance. See Emergency Lighting Options and Example Runs for further information.
- ELS2 Current load permitting, all emergency lighting modules are powered by continuous through-wires to one emergency power feed location. Normal and emergency power feed are fed via adjoining, but separate feed cords located at the first support in the fixture run. ELS2 provides separate neutrals for emergency and normal power throughout the fixture. Check local code for compliance. See Emergency Lighting Options and Example Runs for further information.



- FEP Flat end plates. When sculptured end plates are standard, product will be shipped with flat end plates instead. Applies to LF2FW and LF3FW only.
- GLR Fusing (fast blow). Electronic ballasts contain inherent electrical protection. Select GLR if code or regulation requires externally fused ballasts.
- GMF Fusing (slow blow). Electronic ballasts contain inherent electrical protection. Select GMF if code or regulation requires externally fused ballasts.
- NYC New York City code. Fixtures will be shipped compliant with New York City code requirements.
- OTM On tenon mount. This is an option for use with our tenon and corner assemblies. When OTM is specified, the support or power feed/support is connected directly to the tenon or corner assembly. This reduces the number of support locations with configurations.
- SCEP Sculptured end cap. Please see product spec sheets for availability.

Mounting Options

- ACG Adjustable cable gripper. Allows you to shorten overall suspension to obtain custom lengths. (See below.)
- APF Alternate power feed. Provides an additional 72" of power cord above the standard cord length specified. Example: If F1/24 APF is specified, Peerless will ship 24" hanging hardware, but the power feed cable will be an additional 72" in length.
- CP Chicago plenum. Fixtures will be shipped compliant with Chicago plenum code requirements.
- MCS Match canopy at support. Increases the canopy diameter on support locations to match the default power feed canopy diameter. For F1 it is 3-1/2" in diameter and for F2 it is 5" in diameter.
- OJB Offset J-box (adjacent to support location). Provides a support connection kit and a separate power feed kit with two additional feet of power cable to accommodate an offset J-box. (See below.)



Switching Options

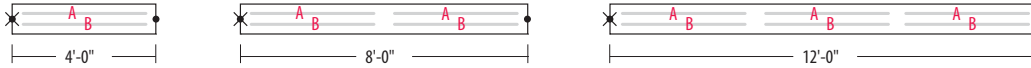
- SCT Single circuit. All lamps are wired to a single circuit.
- DCT Dual circuit. Two light levels are achieved by switching separate rows of lamps in the same fixture on two independently switched circuits. Dual circuit fixtures share a common neutral.

Key

- ✕ Power Feed and Support Location
- Support Location
- ⊗ Emergency Power Feed and Support Location
- ⊠ Power Feed, Emergency Power Feed and Support Location

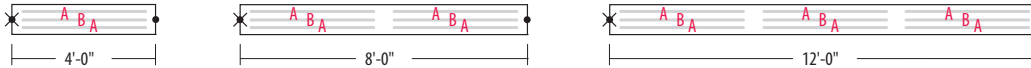
For fixtures or runs with two lamps in the cross section, the standard circuiting is that one side is wired to circuit A and the other side is wired to a circuit B.

Two Lamps in Cross Section



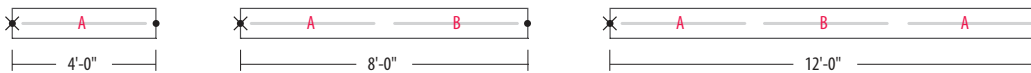
The default for a fixture with three lamps (or more) in the cross section is that the row of lamps on the outside is wired to a switched circuit A and the lamps located in the middle are wired to a switched circuit B.

Three Lamps in Cross Section



- ALC Alternating lamp circuits. Lamps in the same cross section are wired to one circuit and the next cross section is wired to the second circuit. These two circuits alternate across the fixture row. Alternating lamp circuits share a common neutral.

Single Lamp in Cross Section



Emergency Lighting Options

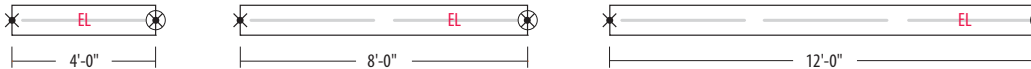
Number of Emergency Modules

- 1SE 1 section. One 4FT module per run will have an emergency lighting option.
 - 2SE 2 sections. Two 4FT modules per run.
- The standard maximum number of 4FT modules is one per 4-, 8- or 12-foot fixture section.

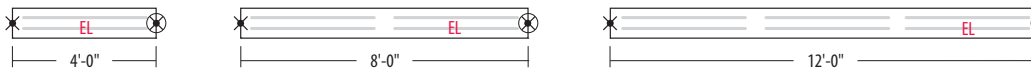
Emergency Type

- EL Emergency battery pack. In the event of a power failure, the battery pack will supply emergency power. Each battery pack will be connected to one lamp unless otherwise specified.

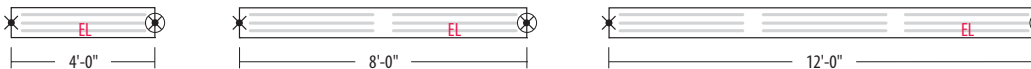
Single Lamp in Cross Section



Two Lamps in Cross Section

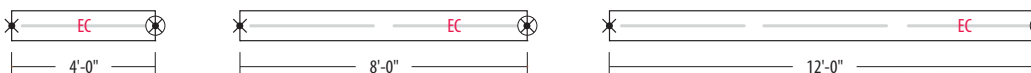


Three Lamps in Cross Section

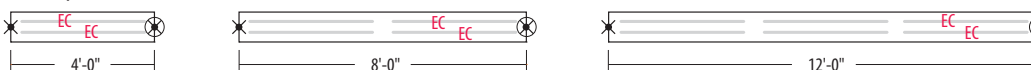


- EC Emergency circuit or night-light circuit. When used as an emergency circuit, separate circuit wiring is provided for an alternate building power source (generator, uninterruptable power supply, etc.). When used as a night-light circuit, separate circuit wiring is provided for an unswitched circuit so that designated lamps will always remain on. Each emergency or night-light circuit will be connected to a single lamp when only one lamp is in the cross section. When two or more lamps are in the cross section, the two outermost lamps will be connected to the circuit.

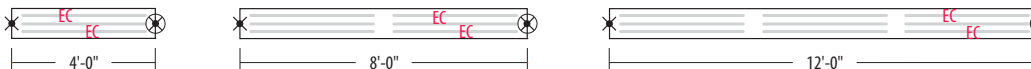
Single Lamp in Cross Section



Two Lamps in Cross Section



Three Lamps in Cross Section



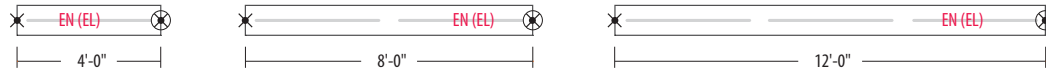
Emergency Lighting Options (continued)

EN Emergency battery pack with night-light circuit. Each battery pack will be connected to one lamp unless otherwise specified. Each night-light circuit will be connected to a single lamp when only one lamp is in the cross section or to the two outermost lamps when two or more lamps are in the cross section.

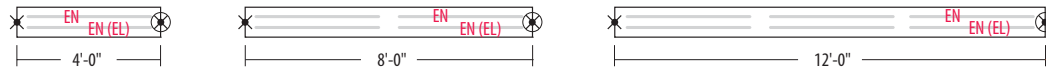
Key

- ✕ Power Feed and Support Location
- Support Location
- ⊗ Emergency Power Feed and Support Location
- ⊠ Power Feed, Emergency Power Feed and Support Location

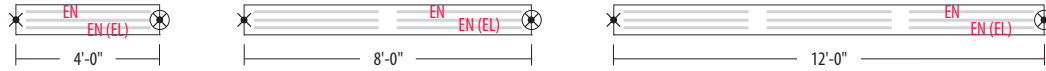
Single Lamp in Cross Section



Two Lamps in Cross Section



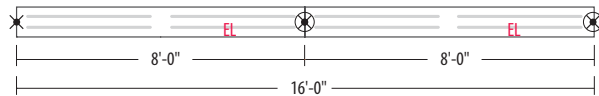
Three Lamps in Cross Section



Emergency Wiring Options

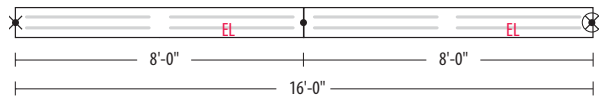
(No option) Each emergency lighting section is powered at the support point that follows it.

With Emergency Battery Pack



ELH Current load permitting, all emergency lighting modules are powered by through wires to one emergency power feed location. The emergency lighting power feed is located at the last support in the fixture run. ELH provides separate neutrals for emergency and normal power throughout the fixture. Check local code for compliance.

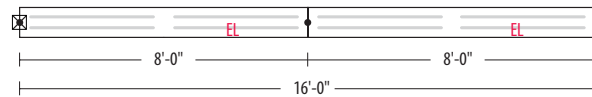
With Emergency Battery Pack



ELS Current load permitting, all emergency lighting modules are powered by continuous through wires to one emergency power feed location. The emergency lighting power feed is located at the first support point in the fixture run and combined within normal power feed cable sharing a common neutral. Check local code for compliance.

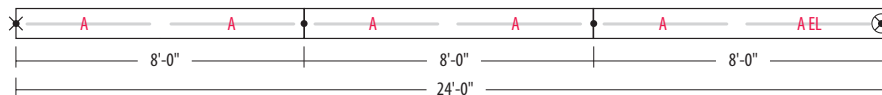
ELS2 Current load permitting, all emergency lighting modules are powered by continuous through wires to one emergency power feed location. Normal and emergency power are fed via adjoining but separate feed cords located at the first support in the fixture run. ELS2 provides separate neutrals for emergency and normal throughout the fixture. Check local code for compliance.

ELS/ELS2 With Emergency Battery Pack

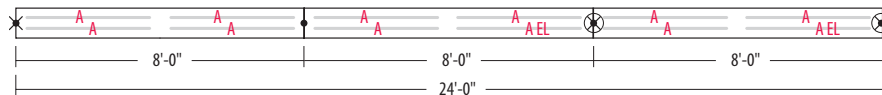


Example Runs

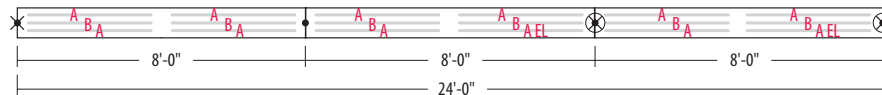
With Emergency Battery Pack



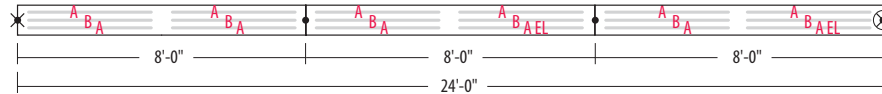
Two Lamps in Cross Section, Single Circuit with Two Emergency Battery Packs



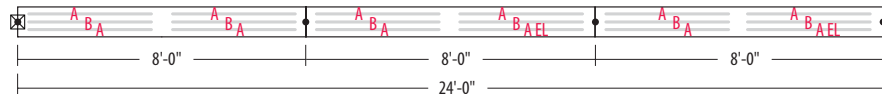
Three Lamps in Cross Section, Dual Circuit with Two Emergency Battery Packs



Three Lamps in Cross Section, Dual Circuit with Two Emergency Battery Packs and ELH Option



Three Lamps in Cross Section, Dual Circuit with Two Emergency Battery Packs and ELS Option



Maximum Run Distance Per Power Feed

		Lamp Type	120V	277V	347V
Lamps in Cross Section	1	T5HO	56'	124'	160'
	2	T5HO	28'	64'	80'
	3	T5HO	16'	40'	52'
	4	T5HO	12'	32'	40'
Lamps in Cross Section	1	T5 and T8	104'	240'	292'
	2	T5 and T8	52'	120'	148'
	3	T5 and T8	36'	80'	96'
	4	T5 and T8	24'	60'	72'

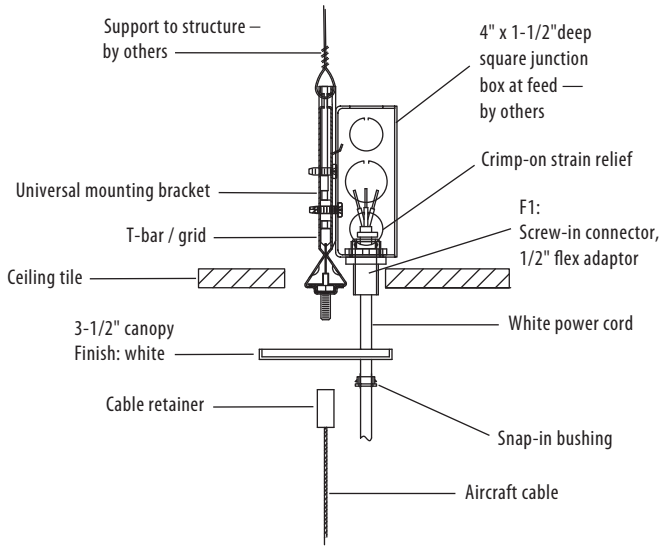
Assumptions: Single-circuit, no emergency lighting option, T8 .88 BF ballast and T5/T5HO 1.0 BF ballast. Consult factory for other scenarios.

F1 for use with most T-bar and screw slot grid ceiling applications. Designed for on-grid and off-grid installations.

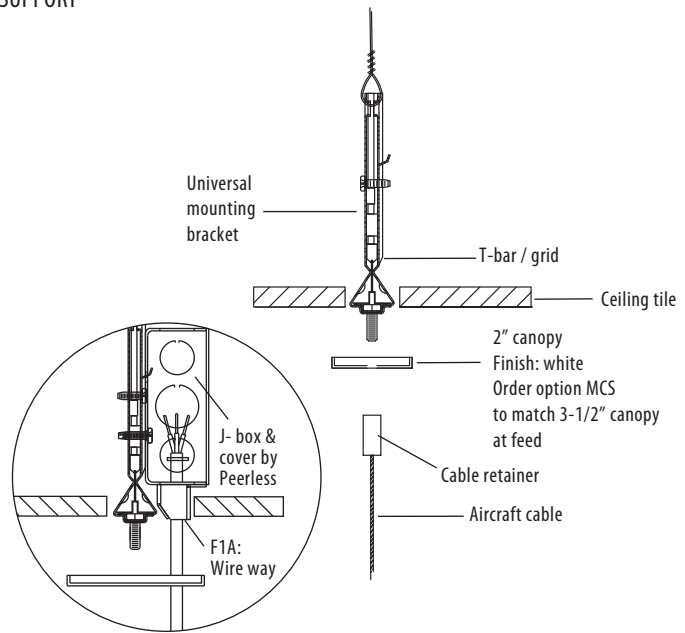
F1A for use with most T-bar and screw slot grid ceiling applications. Designed for on-grid and off-grid installations. F1A comes complete with vertical junction box with welded waywire.

F1 AND F1A MOUNTING TYPE On-Grid Mounting

FEED

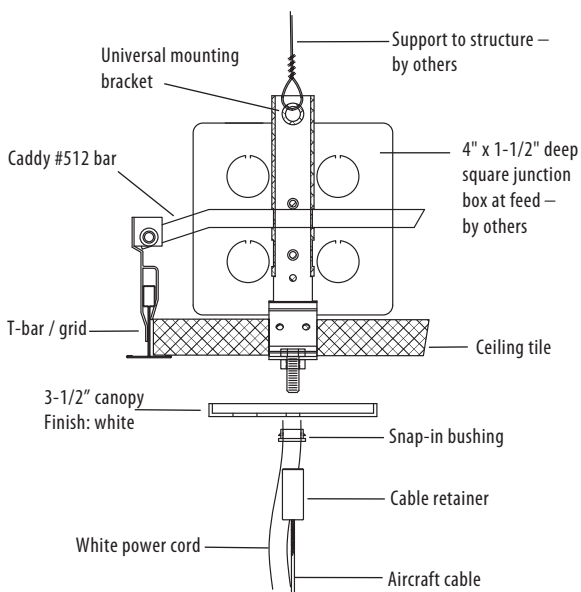


SUPPORT

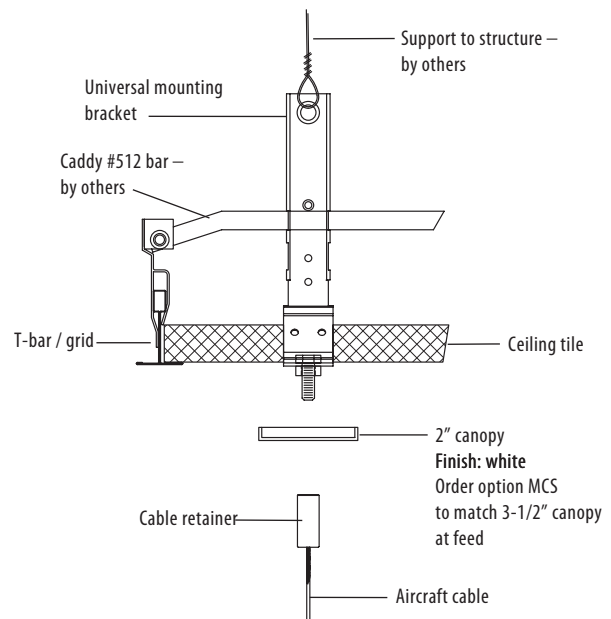


F1 AND F1A MOUNTING TYPE Off-Grid Mounting

FEED



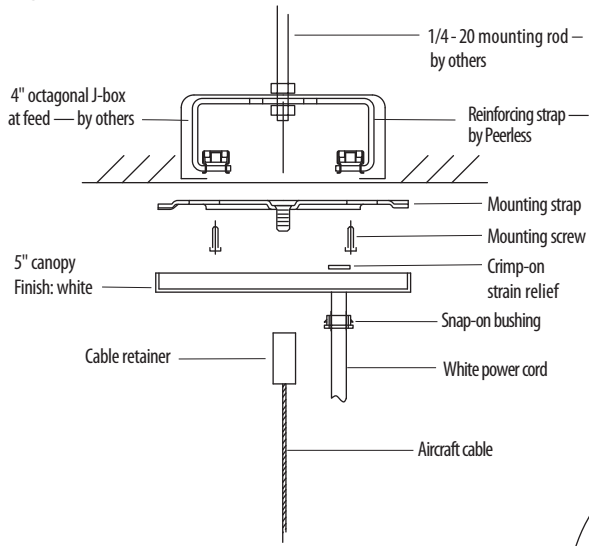
SUPPORT



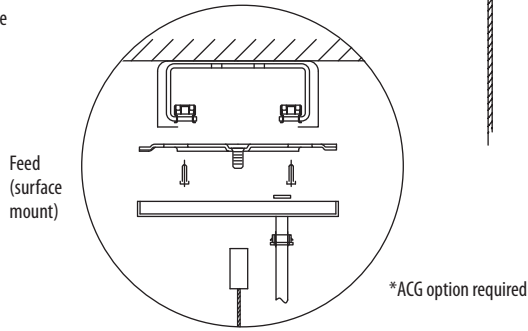
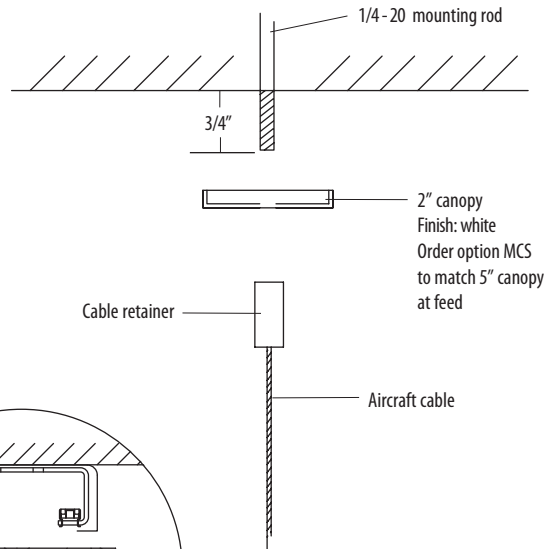
F2 MOUNTING TYPE

F2 for use with recessed or surface-mount horizontal J-box applications.

FEED



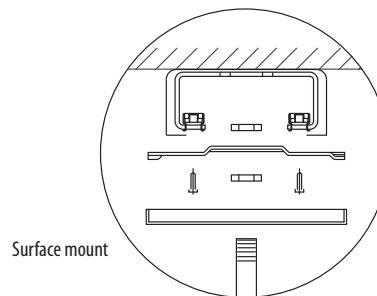
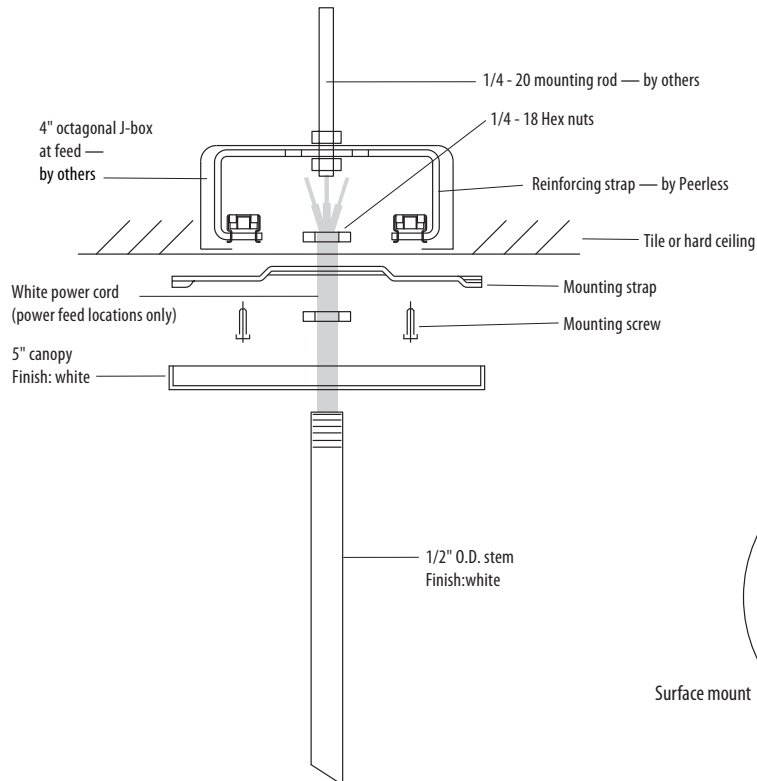
SUPPORT



F3 MOUNTING TYPE

F3 stem mounting for use with recessed or surface-mount horizontal J-box applications. Check with local jurisdiction regarding rigid stem code requirements.

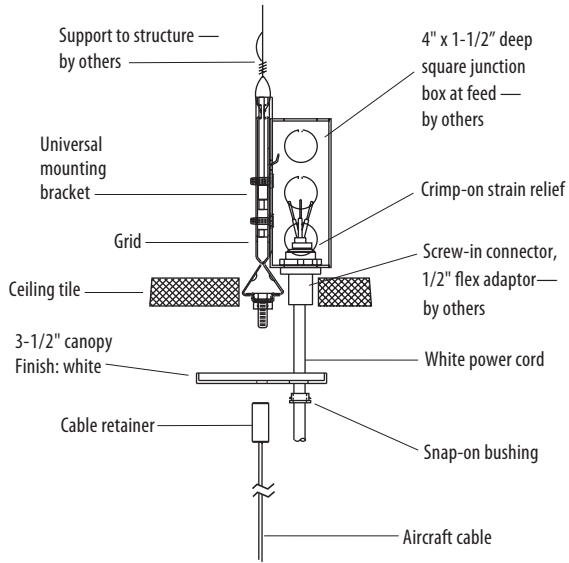
FEED & SUPPORT



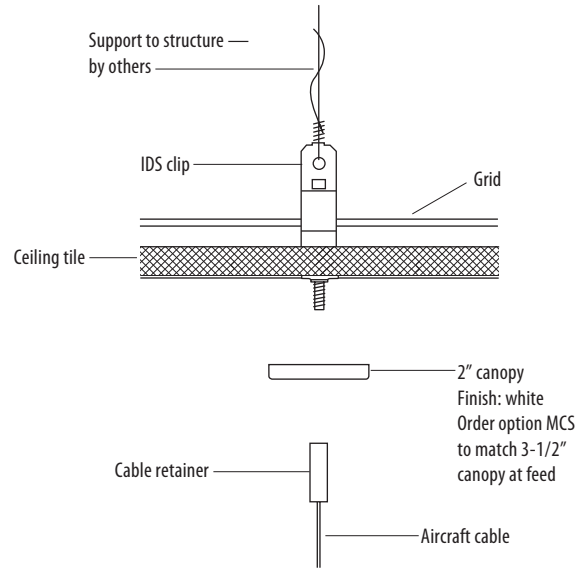
F4A, F4B, F4C MOUNTING TYPE

F4A, B, C for use with most T-bar and screw slot grid ceilings applications. F4A includes IDS 15/16" clip at supports. F4B includes IDS9 9/16" clip at supports. F4C includes type IDS95 screw slot clip at supports.

FEED



SUPPORT



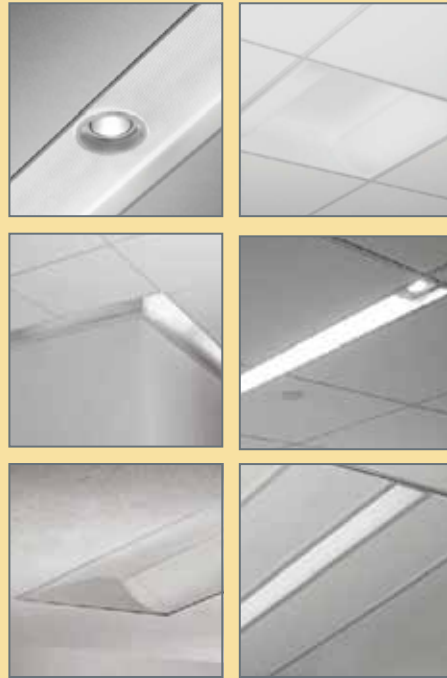


MARK ARCHITECTURAL LIGHTING

A specification-oriented manufacturer of quality lighting products, Mark Architectural Lighting brings stylish, innovative, energy-efficient solutions to lighting needs within corporate, commercial, institutional and retail environments. We offer not only an exemplary selection of distinctive luminaires, but also a resolute commitment to superior customer service.

MARK[®]

ARCHITECTURAL LIGHTING



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AURORA



Aurora



Aurora LDS

Construction

Housing: Nominal 2'x2' or 2'x4' housing fabricated from 20-gauge, cold-rolled steel. Ballast compartments provided with 7/8"-diameter KO's.

Finish: Standard finish is matte white. Consult factory for other finishes.

Optics

Reflector: Precision-formed steel. Painted white, 89% reflectivity.

Shielding (Aurora):

Perforated side baskets with soft-white acrylic overlays.

Shielding (Aurora LDS):

Contoured acrylic lenses, available in soft-white smooth or linear ribbed.

Electrical

Lamps: (2) T5, T5HO or T8, or (2) 40W or 50W BX in cross section. See Configurations table. All lamps provided by others.

Ballast: Thermally protected Class P energy-saving electronic ballast.

Installation

Mounting: Recessed lay-in. Accommodates 9/16" slot grid or 15/16" inverted tee, or 9/16" inverted tee. Unit requires top access. Consult factory if units are to be continuously row mounted.

Listings

Certification: UL Listed, IBEW (Local 3) Union-made in the USA.

ORDERING INFORMATION

Example: AU 22 G9 2T5 EB 120

Series	Size	Ceiling type	Number of lamps/Lamp type ^{1,2}	Ballast
AU Aurora	22 2' x 2'	G9 9/16" wide inverted tee	Number of lamps¹ 2	EB Electronic
AULDS Aurora LDS	24 2' x 4'	DF 9/16" slot grid or 15/16" wide inverted tee	Lamp type² T5 T5HO T8 40BX 50BX	EDB Electronic dimming
Voltage		Shielding	Options	
120		SWR Soft-white ribbed (LDS only)	EMPK Emergency battery pack	
277		SWS Soft-white smooth (LDS only)	AR Air return	
347				

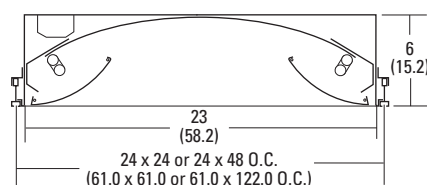
ADDITIONAL INFORMATION

For additional product information, visit www.marklighting.com.

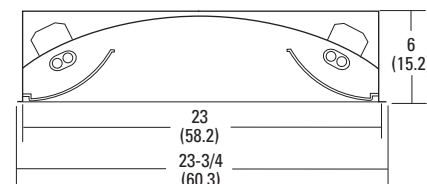
CONFIGURATIONS

SIZE	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE
2' x 2'	2	2	T5, T5HO, T8, 40BX, 50BX
2' x 4'	2	2	T5, T5HO, T8
2' x 4'	2	4	40BX, 50BX

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Aurora



Aurora LDS

Notes

- Lamps per cross section. See configurations table.
- Consult factory for other lamps.

MERIDIAN

Construction

Housing: Nominal 1'x4', 2'x2' or 2'x4' housings fabricated from 20-gauge cold-rolled steel. Ballast compartments provided with 7/8"-diameter KO's.

Finish: Standard finish is matte white. Consult factory for other finishes.

Optics

Reflector: Precision-formed steel. Painted white, 89% reflectivity.

Shielding (Meridian): Perforated center basket with soft-white acrylic overlay

Shielding (Meridian LDS): Contoured acrylic lenses, available in soft-white smooth or linear ribbed.

Electrical

Lamps: (1) or (2) T5, T5HO or T8, or (1) or (2) 40W or 50W BX in cross section. See Configurations table. All lamps provided by others.

Ballast: Thermally protected Class P energy-saving electronic ballast.

Installation

Mounting: Recessed lay-in. Accommodates 9/16" slot grid or 15/16" inverted tee, or 9/16" inverted tee. Unit requires top access. Please contact factory if units are to be continuously row mounted.

Listings

Certification: UL Listed, IBEW (Local 3) Union-made in the USA.



Meridian



Meridian LDS

ORDERING INFORMATION

Example: MD 22 G9 2T5 EB 120

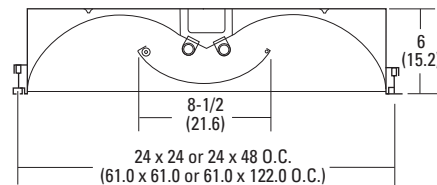
Series	Size	Ceiling type	Number of lamps/Lamp type ^{1,2}		Ballast
MD Meridian	14 1' x 4'	G9 9/16" wide inverted tee	Number of lamps¹	Lamp type²	EB Electronic
MDLDS Meridian LDS	22 2' x 2'	DF 9/16" slot grid or 15/16" wide inverted tee	1	T5	EDB Electronic dimming
	24 2' x 4'		2	T5HO	
				T8 40BX 50BX	
▶ Voltage		Shielding	Options		
120		SWR Soft-white ribbed (LDS only)	EMPK Emergency battery pack		
277		SWS Soft-white smooth (LDS only)			
347					

ADDITIONAL INFORMATION

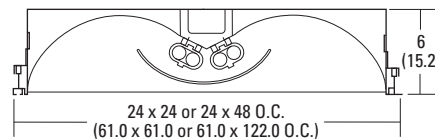
For additional product information, visit www.marklighting.com.

CONFIGURATIONS			
SIZE	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE
1' x 4'	1, 2	1, 2	T5, T5HO, T8
1' x 4'	1	2	40BX, 50BX
2' x 2'	1, 2	1, 2	T5, T5HO, T8
2' x 2'	2	2	40BX, 50BX
2' x 4'	1, 2	1, 2	T5, T5HO, T8
2' x 4'	2	4	40BX, 50BX

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Meridian



Meridian LDS

Notes

- 1 See configurations table.
- 2 Consult factory for other lamps.

PRODUCT INFORMATION

RECESSED

PORTICO



Portico



Portico LDS

Construction

Housing: 2'x2' and 2'x4' housings are die-formed, 20-gauge, cold-rolled steel. Ballast compartments provided with 7/8"-diameter KO's.

Finish: Baked matte white enamel.

Optics

Reflector: Precision-formed steel. Painted white, 89% reflectivity.

Shielding (Portico): Perforated basket with soft-white acrylic overlay.

Shielding (Portico LDS):

Contoured acrylic lenses, available in soft-white smooth or linear ribbed.

Electrical

Lamps: (2) T5 or T5HO, or (2) 40W or 50W BX in cross section. See Configurations table. All lamps provided by others.

Ballast: Thermally protected Class P energy-saving electronic ballast.

Installation

Mounting: Recessed lay-in. Accommodates 9/16" slot grid or 15/16" inverted tee, or 9/16" inverted tee. Please contact factory if units are to be continuously row mounted.

Listings

Certification: UL Listed, IBEW (Local 3) Union-made in the USA.

ORDERING INFORMATION

Example: PORLDS 22 G9 2T5 EB 120 SWR

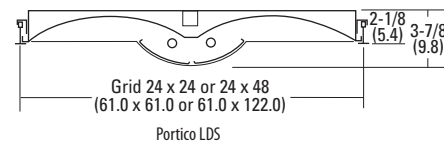
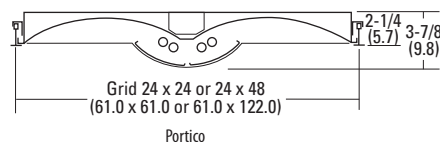
Series	Size	Ceiling type	Number of lamps/Lamp type ^{1,2}		Ballast
			Number of lamps ¹	Lamp type ²	
POR Portico	22 2' x 2'	G9 9/16" wide, inverted tee	2	T5	EB Electronic
PORLDS Portico LDS	24 2' x 4'	DF 9/16" slot grid or 15/16" wide inverted tee		T5HO 40WBX 50WBX	EDB Electronic dimming
Voltage		Shielding	Options		
120		SWR Soft white ribbed (LDS only)	EMPK Emergency battery pack		
277		SWS Soft white smooth (LDS only)	AR Air return		
347					

ADDITIONAL INFORMATION

For additional product information, visit www.marklighting.com.

CONFIGURATIONS			
SIZE	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE
2' x 2'	2	2	T5, T5HO, 40BX, 50BX
2' x 4'	2	2	T5, T5HO
2' x 4'	2	4	40BX, 50BX

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Lamps per cross section. See configurations table.
- 2 Consult factory for other lamps.

MARK ARCHITECTURAL LIGHTING

SAROS 2



Saros 2



Saros LDS

Construction

Housing: Nominal 2'x2' or 2'x4' housing fabricated from 20-gauge, cold-rolled steel. Ballast compartments provided with 7/8"-diameter KOs.

Finish: Standard finish is matte white.

Optics

Reflector: Precision-formed steel. Painted white, 89% reflectivity.

Shielding (Saros 2): Dual perforated steel baskets with soft-white acrylic overlays.

Shielding (Saros 2 LDS): Contoured acrylic lenses, available in soft-white smooth or linear ribbed.

Electrical

Lamps: (2) T5, T5HO or T8, or (2) 40W or 50W BX in cross section. See Configurations table. All lamps provided by others.

Ballast: Thermally protected Class P energy-saving electronic ballast.

Installation

Mounting: Recessed lay-in. Accommodates 9/16" slot grid or 15/16" inverted tee, or 9/16" inverted tee. Unit requires top access. Consult factory if units are to be continuously row mounted.

Listings

Certification: UL Listed, IBEW (Local 3) Union-made in the USA.

Example: SR2LDS 22 G9 2T5 EB 120 SWS

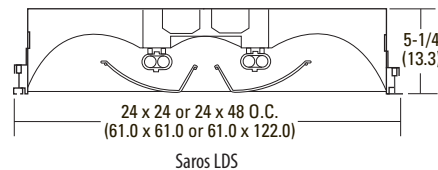
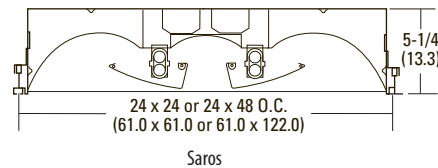
Series		Size	Ceiling type	Number of lamps/Lamp type ^{1,2}		Ballast
SR2	Saros 2	22 2'x2'	G9 9/16" wide inverted tee	2	Lamp type ² T5 T5HO T8 40BX 50BX	EB Electronic
SR2LDS	Saros 2 LDS	24 2'x4'	DF 9/16" slot grid or 15/16" wide inverted tee			EDB Electronic dimming
Voltage			Shielding	Options		
120			SWR Soft-white ribbed (LDS only)	EMPK Emergency battery pack		
277			SWS Soft-white smooth (LDS only)			
347						

ADDITIONAL INFORMATION

For additional product information, visit www.marklighting.com.

CONFIGURATIONS			
SIZE	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE
2' x 2'	2	2	T5, T5HO, T8, 40BX, 50BX
2' x 4'	2	2	T5, T5HO, T8
2' x 4'	2	4	40BX, 50BX

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Lamps per cross section. See configurations table.
- 2 Consult factory for other lamps.

PRODUCT INFORMATION

Construction

Housing: Die-formed, 20-gauge, cold-rolled steel. End caps and joiners are die-cast aluminum for 6" wide units and formed cold-rolled steel for 1' and 2' wide units.

Finish: Powder-coated, baked matte white enamel.

Optics

Reflector: Precision-contoured, heavy-gauge extruded aluminum for 6" unit. Precision die-formed, 20-gauge, cold-rolled steel for wider units.

Lens: Co-extruded translucent acrylic.

Electrical

Lamps: (1) T5 or T5HO (6" and 1' wide versions); (2) T5 or T5HO (2' wide versions).

Ballast: Thermally protected Class P energy-saving electronic ballast.

Installation

Mounting: Recessed grid; 6" wide units are compatible with Armstrong TechZone™ ceiling system.

Listings

Certification: UL Listed, IBEW (Local 3) Union-made in the USA.

DATUM

ORDERING INFORMATION

Example: DAT RD 22 G9 2T5 EB 120

Series	Reflector	Size	Ceiling type	Number of lamps/Lamp type ^{1,2}		Ballast		Voltage	Run information ³	Options
DAT Datum	RD Rounded	64 6" x 4'	G9 15/16" inverted tee	Number of lamps ¹	Lamp type ²	EB Electronic	120	IND Individual	EMPK Emergency battery pack	
		65 6" x 5'								1
	RT Rectangular	14 1' x 4'	DF 9/16" slot grid or superfine	2	T5HO	EDB Electronic dimming	347			BOR Beginning of row
		15 1' x 5'								INT Intermediate
		22 2' x 2'								EOR End of row
		24 2' x 4'								

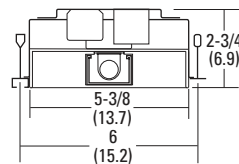
ADDITIONAL INFORMATION

For additional product information, visit www.marklighting.com.

CONFIGURATIONS

SIZE	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE
6" or 1' wide	1	1	T5, T5HO
2' wide	2	2	T5, T5HO

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- Lamps per cross section. See configurations table.
- Consult factory for other lamps.
- Please provide run information for 6" only. All other sizes come as individual units and cannot be joined into rows. Cross tees between fixtures for IND only.

PRODUCT INFORMATION

Construction

Housing: Die-formed, 20-gauge, cold-rolled steel.

Panels are available with 6" fixture only. Complete modular system accommodates sprinklers, low-voltage downlights, speakers, air returns and blank panels.

Listings

Certification: UL Listed, IBEW (Local 3) Union-made in the USA.

DATUM PANEL

ORDERING INFORMATION

Example: DATPNL 62 G9 120 INT SP

Series	Size	Ceiling type	Voltage	Run information	Panel insert	
DATPNL Datum panel	62 6" x 24"	G9 15/16" inverted tee	120	B/E Beginning/end of row (with cross tees)	MR/LED	LED downlight ¹
	63 6" x 30"	DF 9/16" slot grid or superfine	277	INT Intermediate (no cross tees)	MR/MH20	20W MH MR16 downlight ¹
					MR/MH39	39W MH MR16 downlight ¹
					MR/LV	Low voltage MR16 downlight ^{1,2}
					SP	Sprinkler panel ³
					BL	Blank panel
					SK	Speaker panel ³
					AR	Air return panel

ADDITIONAL INFORMATION

For additional product information, visit www.marklighting.com.**Notes**

- Depth is 4-1/2" for MR panels.
- MR/LV is 50W maximum.
- Speaker and sprinkler panels are prepared to accept those items by others.

PRODUCT INFORMATION

RECESSED

WHISPER



Construction

Housing: Nominal 1'x4', 2'x2' or 2'x4' housings fabricated from 20-gauge, cold-rolled steel.

Finish: Standard finish is matte white. Specify other finishes.

Optics

Reflector: Precision-formed steel. Painted white, 89% reflectivity.

Shielding: Center Panel: Clear linear prismatic, soft-white acrylic or K20 prismatic lens. Side panels: Clear linear

prismatic, soft-white acrylic or K20 prismatic lens.

Electrical

Lamps: (1) or (2) T5, T5HO or T8 for 1'x4', or 2'x4'; (2) T5, T5HO, T8, 40W BX or 50W BX for 2'x2'.

Ballast: Thermally protected Class P energy-saving electronic ballast.

Installation

Mounting: Recessed, lay-in extruded aluminum trim. Accommodates 9/16" slot

grid or 15/16" inverted tee, or 9/16" inverted tee.

Listings

Certification: UL Listed, IBEW (Local 3) Union-made in the USA.

ORDERING INFORMATION

Example: WHS 22 2T5 EB 120 SW SW

Series	Size	Number of lamps/Lamp type ^{1,2}		Ballast	Voltage	Shielding (center)		Shielding (sides)		Options								
WHS Whisper	14 1' x 4'	Number of lamps ¹	Lamp type ²	EB Electronic	120	SW	Soft-white acrylic	SW	Soft-white acrylic	EMPK Emergency battery pack								
	22 2' x 2'										1	T5	EDB Electronic dimming	277	LR	Clear, linear-ribbed prismatic acrylic	LR	Clear, linear-ribbed prismatic acrylic
	24 2' x 4'										2	T5HO	347	K20	Clear prismatic acrylic	K20	Clear prismatic acrylic	
												T8						
		40BX																
			50BX															

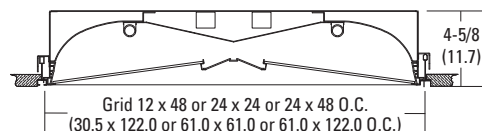
ADDITIONAL INFORMATION

For additional product information, visit www.marklighting.com.

CONFIGURATIONS

SIZE	LAMPS PER CROSS SECTION	LAMPS PER FIXTURE	LAMP TYPE
1' x 4'	1, 2	1, 2	T5, T5HO, T8
2' x 2'	2	2	T5, T5HO, T8, 40BX, 50BX
2' x 4'	1, 2	1, 2	T5, T5HO, T8

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

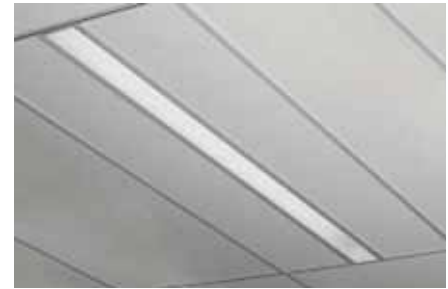


Notes

- 1 Lamp per cross section. See configurations table.
- 2 Consult factory for other lamps.

MARK ARCHITECTURAL LIGHTING

SLOT 2C



Construction

Housing: Nominal 2" wide x 2-ft., 3-ft., 4-ft., 6-ft., or 8-ft. long units fabricated from heavy-gauge extruded aluminum.

Finish: Housing and internal components baked white enamel.

Optics

Reflector: Precision-formed steel. Painted high-reflectance white.

Shielding: Snap-in extruded frosted clear acrylic (flush or regressed) or parabolic baffle.

Electrical

Lamps: (1) T5 or T5HO lamp, in-line or staggered.

Ballast: Thermally protected Class P energy-saving electronic ballast.

Installation

Mounting: Recessed universal mounting bracket

accommodates sheetrock or various acoustical tile grid ceilings. Consult factory for other ceiling types.

Listings

Certification: UL Listed, IBEW (Local 3) Union-made in the USA.

Example: SL2C 4 UNIV 1T5 EB 120 FA IND

ORDERING INFORMATION

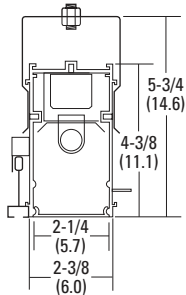
Series	Length	Ceiling type	Number of lamps/Lamp type		Ballast	Voltage
			Number of lamps	Lamp type		
SL2C Slot 2C	2 Nominal 2'	UNIV Universal sheetrock, 9/16" or 15/16" inverted tee slot grid	1	T5	EB Electronic EDB Electronic dimming	120
	3 Nominal 3'			T5HO		277
	4 Nominal 4'			T5S ¹		347
	6 Nominal 6'			T5HOS ¹		
8 Nominal 8'						

Shielding	Run information	Options
PB Parabolic baffle, diffuse aluminum	IND Individual	EMPK Emergency battery pack ²
FA 3/32" thick clear frosted acrylic	BOR Beginning of row	
	INT Intermediate	
	EOR End of row	

ADDITIONAL INFORMATION

For additional product information, visit www.marklighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

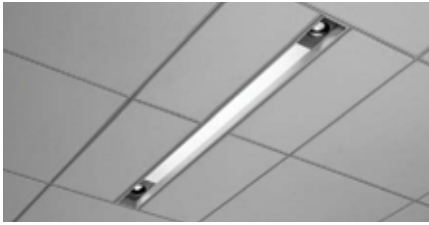


Notes

- 1 S = Staggered lamping.
- 2 4', 6' and 8' units only.

PRODUCT INFORMATION

SLOT 4



Construction
Housing: Nominal 4" x 3-ft., 4-ft., 5-ft., 6-ft. or 8-ft. units fabricated from 20-gauge, cold-rolled steel. Ceiling trim is extruded aluminum. Downlight component (where applicable) is die-cast aluminum.

Finish: Standard trim finish is baked white enamel. MR16 trim is matte black (standard) or white. Please specify other finishes.

Optics
Reflector: Precision-formed steel. Painted white, 89% reflectivity.

Shielding: Nominal 1/4"-thick frosted clear acrylic with rabbeted ends to prevent light leaks against downlight components. Optional semi-diffuse parabolic baffle, 3/4" high x 2" on center.

Electrical
Lamps: (1) or (2) T5, T5HO or T8 lamps. (2) MR16 (max. 50W) or MH MR16 (max. 39W) lamps for optional downlight component. All lamps provided by others.

Ballast: Fluorescent: Thermally protected Class P energy-saving electronic ballast. MR16: Electronic 12-volt, 120 or 277 as specified.

Installation
Mounting: Recessed. Available for sheetrock, 9/16" slot grid or 15/16" inverted tee ceilings, or 9/16" inverted tee. Please specify. Consult factory for other ceiling types.

Listings
Certification: UL Listed, IBEW (Local 3) Union-made in the USA.

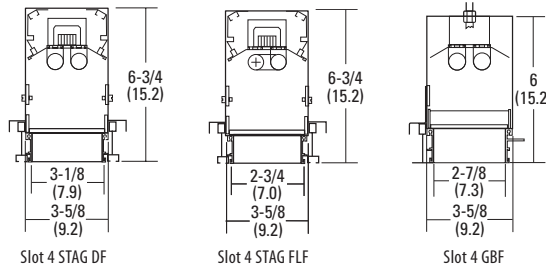
ORDERING INFORMATION

Example: SL4F 44 DF 2T5 EB 120 FA IND

Series	Size	Downlights ¹	Ceiling type ³	Number of lamps/Lamp type		Ballast	Voltage	Shielding	Run information	Options
				Number of lamps	Lamp type					
SL4R Slot 4 Regressed	43 4" x 3'	M 50W MR16	DF 9/16" slot grid or 15/16" inverted tee	1	T5	EB Electronic	120	FA 1/4" thick clear frosted acrylic	IND Individual	EMPK Emergency battery pack
	44 4" x 4'	MH20 ² 20W MH MR16	TG 9/16" inverted tee grid with tegular files							
SL4F Slot 4 Flush	45 4" x 5'	MH39 ² 39W MH MR16	TG 9/16" inverted tee grid with tegular files	2	T5HO	EDB Electronic dimming	347	PB Semi-diffuse parabolic baffle	BOR Beginning of row	WHD White MR16 trim
	46 4" x 6'	(blank) Fluorescent only	GB Gypsum board (sheetrock)							
	48 4" x 8'	(blank) Fluorescent only	FL 5/8" flange (sheetrock)							

ADDITIONAL INFORMATION For additional product information, visit www.marklighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- MR16 modules are supplied at each end of individual unit.
- Fixture depth increases to 6 3/4" for these options.
- Consult trim detail sheet for additional trim options.
- S = Staggered lampping.

PRODUCT INFORMATION

SLOT 4T



Construction
Housing: All internal components and housing fabricated from die-formed, 20-gauge, cold-rolled steel.

Finish: Baked matte white enamel.

Continuous runs available. Consult factory.

Optics
Reflector: Die-formed matte aluminum reflector provides asymmetric distribution.

Electrical
Lamps: (1) T5 or T5HO lamp. Lamps provided by others.

Ballast: Thermally protected Class P energy-saving electronic ballast.

Installation
Mounting: Recessed 9/16" slot grid ceilings or sheetrock.

Listings
Certification: UL Listed, IBEW (Local 3) Union-made in the USA.

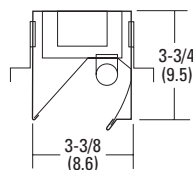
ORDERING INFORMATION

Example: SL4T 43 GB 1T5 EB 120

Series	Size	Ceiling type	Number of lamps/Lamp type ¹		Ballast	Voltage	Options
			Number of lamps	Lamp type ¹			
SL4T Slot 4T	42 4" x 2'	46 4" x 6'	DF 9/16" slot grid or 15/16" inverted tee	1	EB Electronic	120	EMPK Emergency battery pack
	43 4" x 3'	48 4" x 8'	GB Gypsum board (sheetrock)				
	44 4" x 4'						

ADDITIONAL INFORMATION For additional product information, visit www.marklighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Consult factory for other lamps.

SLOT 6



Construction

Housing: Nominal 6" x 3-ft., 4-ft., 5-ft., 6-ft. or 8-ft. units fabricated from 20-gauge, cold-rolled steel. Ceiling trim is extruded aluminum. Downlight component (where applicable) is die-cast aluminum.

Finish: Standard trim finish is baked white enamel. MR16 trim is matte black (standard) or white. Please specify other finishes.

Optics

Reflector: Precision-formed steel. Painted white, 89% reflectivity.

Shielding: Nominal 1/4"-thick frosted clear acrylic with rabbeted ends to prevent light leaks against downlight components. Optional semi-diffuse parabolic baffle, 3/4" high x 2" on center.

Electrical

Lamps: (1) or (2) T5, T5HO or T8 lamps. (2) MR16 (max. 50W) or MH MR16 (max. 39W) lamps for optional downlight component. All lamps provided by others.

Ballast: Fluorescent: Thermally protected Class P energy-saving electronic ballast. MR16: Electronic 12-volt, 120 or 277 as specified.

Installation

Mounting: Recessed. Available for sheetrock, 9/16" slot grid or 15/16" inverted tee ceilings, or 9/16" inverted tee. Unit is compatible with Armstrong TechZone™ ceiling system. Consult factory for other ceiling types.

Listings

Certification: UL Listed, IBEW (Local 3) Union-made in the USA.

Example: SL6R 64 M DF 2T5 EB 120 FA IND

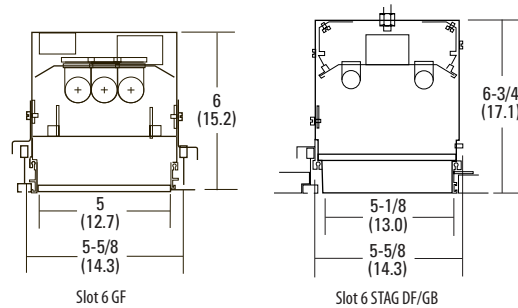
ORDERING INFORMATION

Series	Size	Downlights ¹	Ceiling type ³	Number of lamps/ Lamp type		Ballast	Voltage	Shielding	Run information	Options			
				Number of lamps	Lamp type					EMPK	WHD		
SL6R Slot 6 Regressed	63 6" x 3'	M 50W MR16	DF 9/16" slot grid or 15/16" inverted tee	1	T5	EB Electronic	120	FA 1/4" thick clear frosted acrylic	IND Individual	EMPK	Emergency battery pack		
	64 6" x 4'	MH20 ² 20W MH MR16	TG 9/16" inverted tee grid with tegular files									EDB Electronic dimming	277
SL6F Slot 6 Flush	65 6" x 5'	MH39 ² 39W MH MR16	GB Gypsum board (sheetrock) FL 5/8" flange (sheetrock)	2	T5HO		347	PB Semi-diffuse parabolic baffle	INT Intermediate	WHD	White MR16 trim		
	66 6" x 6'	(blank) Fluorescent only										T8	EOR End of row
	68 6" x 8'											T5S ⁴	
											T8S ⁴		

ADDITIONAL INFORMATION

For additional product information, visit www.marklighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- MR16 modules are supplied at each end of individual unit.
- Fixture depth increases to 6-3/4" for these options.
- Consult trim detail sheet for additional trim options.
- S = Staggered lampping.

PRODUCT INFORMATION

RECESSED

BIFOCAL



Construction

Housing: Nominal 6" wide x 3-ft., 4-ft., 5-ft., 6-ft. or 8-ft. long housing fabricated from 20-gauge, cold-rolled steel. Ceiling trim is extruded aluminum. Downlight component is die-cast aluminum.

Finish: Standard finish for recessed trim is baked white enamel. Please specify other finishes. Downlight trim finish is matte black (standard) or white.

Optics

Reflector: Precision-formed steel. Painted white, 89% reflectivity.

Shielding: Nominal 1/4"-thick frosted clear acrylic.

Electrical

Lamps: (1) or (2) T8, T5 or T5HO lamps. BiFocal 6: Maximum 50W MR16 downlight; BiFocal 6 MH: Maximum 20W or 39W MH MR16 lamps. Lamps provided by others.

Ballast: Thermally protected Class P energy-saving electronic ballast.

Installation

Mounting: Recessed. Available for sheetrock ceilings, 9/16" slot grid or 15/16" inverted tee, or tegular tile with 9/16" grid. Unit is compatible with Armstrong TechZone™ ceiling system. Consult factory for other ceiling types.

Listings

Certification: ETL Listed, IBEW (Local 3) Union-made in the USA.

ORDERING INFORMATION

Example: BFL/MH20 64 GB 2T5 EB 120 FA IND

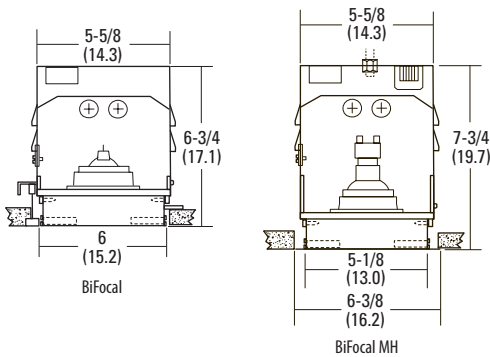
Series	Size	Ceiling type ¹	Number of lamps/Lamp type ²		Ballast
BFL BiFocal	63 6" x 3' w/one downlight (max.)	DF 9/16" slot grid or 15/16" inverted tee	Number of lamps	Lamp type²	EB Electronic
BFL/MH20 BiFocal MH 20W	64 6" x 4' w/two downlights (max.)	GB Gypsum board (sheetrock)	1	T5	EDB Electronic dimming
BFL/MH39 BiFocal MH 39W	65 6" x 5' w/two downlights (max.)	TG Tegular tile with 9/16" grid	2	T5HO	
	66 6" x 6' w/three downlights (max.)	FL 5/8" flange (sheetrock)		T8	
	68 6" x 8' w/four downlights (max.)				

Voltage ³	Shielding	Run information	Options
120	FA 1/4" thick clear frosted acrylic	IND Individual	EMPK Emergency battery pack
277		BOR Beginning of row	WHD White downlight trim
347		INT Intermediate	
		EOR End of row	

ADDITIONAL INFORMATION

For additional product information, visit www.marklighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Consult trim detail sheet for additional info.
- 2 Each downlight requires one maximum 20W or 39W MH MR16 lamp; 6' and 8' units contain 2 sets of fluorescent lamps in tandem.
- 3 Consult factory for mixed voltage applications.

MARK ARCHITECTURAL LIGHTING

Construction

Housing: Housing and internal components fabricated from 20-gauge, cold-rolled steel.

Trim: Spun steel with 3/8" flange suitable for lay-in or sheetrock installation. (Note: Fixture must be installed before ceiling for sheetrock installation.)

Finish: Standard finish is matte white. Other flange finishes available.

Optics

Shielding: Nominal .125"-thick white acrylic dome in nominal 12", 24", 36" or 48" diameters.

Electrical

Lamps: See Configurations table.

Ballast: Thermally protected Class P energy-saving electronic ballast.

Installation

Mounting: Recessed, lay-in or sheetrock.

Listings

Certification: UL Listed, IBEW (Local 3) Union-made in the USA.

MAGELLAN



Example: MG 2 3T5 EB 120

ORDERING INFORMATION

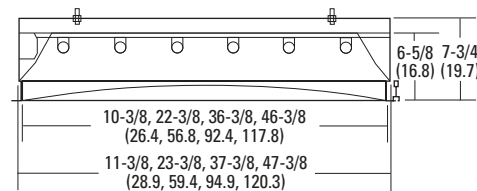
Series	Size	Number of lamps/Lamp type ¹		Ballast	Voltage	Options
MG Magellan	1 12" diameter	Number of lamps	Lamp type¹	EB Electronic	120	EMPK Emergency battery pack
	2 24" diameter	1	T5	EDB Electronic dimming	277	
	3 36" diameter	2	T5HO		347	
	4 48" diameter	3	T8			
		4	18BX			
		6	32BX			
		8	40BX			
			50BX			
			26CFQ			
			42CFQ			

ADDITIONAL INFORMATION

For additional product information, visit www.marklighting.com.

CONFIGURATIONS		
SIZE	NUMBER OF LAMPS	LAMP TYPE
12" diameter	1,2	18BX, 32BX, 26CFQ, 42CFQ
24" diameter	3,4	T5, T5HO, T8, 40BX, 50BX
36" diameter	4,6	T5, T5HO, T8
48" diameter	6,8	T5, T5HO, T8

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

¹ Specify number of lamps and lamp type. See configurations table. Consult factory for other lamps.

PRODUCT INFORMATION

RECESSED

VEIL



Construction

Housing: Nominal 1'x4', 2'x2', 2'x4', 4'x4', or 5'x5' housing fabricated from 20-gauge, cold-rolled steel. Consult factory for other sizes.

Finish: Standard finish is matte white.

Optics

Reflector: Precision-formed steel. Painted white, 89% reflectivity.

Shielding: Flexible, translucent white PVC membrane with clear overlay membrane assembled to extruded aluminum frame door.

Electrical

Lamps: T5, T5HO, T8, 40W BX, or 50W BX lamps. See Configurations table for lamp quantities.

Ballast: Thermally protected Class P energy-saving electronic ballast.

Installation

Mounting: Recessed, lay-in. Designed to accommodate 9/16" slot grid. Consult factory for other ceiling types. (4'x4' and 5'x5' units require support to structure.)

Listings

Certification: UL Listed, IBEW (Local 3) Union-made in the USA.

ORDERING INFORMATION

Example: VL 44 4T5 EB 120

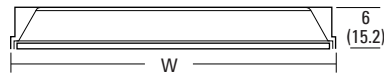
Series	Size	Number of lamps/Lamp type ¹		Ballast	Voltage	Options
VL Veil	14 1' x 4'	Number of lamps Lamp type¹		EB Electronic	120	EMPK Emergency battery pack
	22 2' x 2'	1	T5	EDB Electronic dimming	277	
	24 2' x 4'	2	T5HO		347	
	44 4' x 4'	3	T8			
	55 5' x 5'	4	40BX			
		6	50BX			
		8				

ADDITIONAL INFORMATION

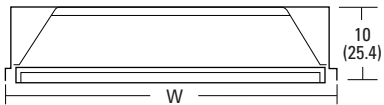
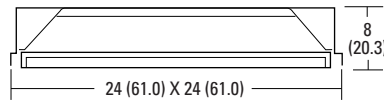
For additional product information, visit www.marklighting.com.

CONFIGURATIONS				
SIZE	LAMP TYPE	6" DEPTH	8" DEPTH	10" DEPTH
1' x 4'	T5, T5HO, T8	2, 3 lamps	--	1 lamp
2' x 2'	BX, T5, T5HO	--	3, 4 lamps	2 lamps
2' x 4'	T5, T5HO, T8	3, 4 lamps	--	2 lamps
4' x 4'	T5, T5HO, T8	6, 8 lamps	--	4 lamps
5' x 5'	T5, T5HO, T8	6, 8 lamps	--	4 lamps

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	1 X 4	2 X 4	4 X 4	5 X 5
Length:	48 (121.9)	48 (121.9)	48 (121.9)	60 (152.4)
Width:	12 (30.5)	24 (61.0)	48 (121.9)	60 (152.4)



	1 X 4	2 X 2	2 X 4	4 X 4	5 X 5
Length:	48 (121.9)	24 (61.0)	24 (61.0)	48 (121.9)	60 (152.4)
Width:	12 (30.5)	24 (61.0)	48 (121.9)	48 (121.9)	60 (152.4)

Notes

¹ Specify number of lamps and lamp type. See configurations table.

MARK ARCHITECTURAL LIGHTING

MULTITASK



Construction

Housing: Nominal 1'x4', 2'x2' or 2'x4' units fabricated from die-formed, 20-gauge, cold-rolled steel. Ballast compartment provided with 7/8" diameter KOs.

Finish: Baked matte white enamel.

Optics

Shielding: Perforated basket style combined with soft-white acrylic overlay. Basket swings down for easy relamping and maintenance. Curved baffle blades, 1" high x 1" on center,

with soft-white acrylic overlay. Baffle assembly hinges down for relamping and maintenance.

Reflector: Die-formed, cold-rolled steel with 89% reflectance baked white enamel finish.

Electrical

Lamps: (4) T5 or T5HO for 1'x4', (5) T5 or T5HO for 2'x2' or 2'x4'. Lamps provided by others.

Ballast: Thermally protected Class P energy-saving electronic ballast.

Installation

Mounting: Recessed lay-in. Accommodates 9/16" slot grid or 15/16" inverted tee, or 9/16" inverted tee.

Listings

Certification: UL Listed, IBEW (Local 3) Union-made in the USA.

Example: MTK 22 G9 5T5 EB 120

ORDERING INFORMATION

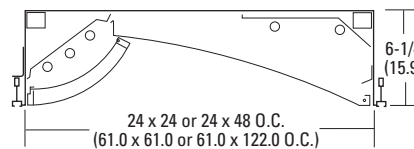
Series	Size	Ceiling type	Number of lamps/Lamp type ¹		Ballast	Voltage	Options
			Number of lamps	Lamp type ¹			
MTK Multitask	14 1' x 4'	G9 9/16" wide inverted tee	4	T5	EB Electronic	120	EMPK Emergency battery pack
	22 2' x 2'	DF 9/16" slot grid or 15/16" wide inverted tee		T5HO	EDB Electronic dimming	277	
	24 2' x 4'					347	

ADDITIONAL INFORMATION

For additional product information, visit www.marklighting.com.

CONFIGURATIONS		
SIZE	NUMBER OF LAMPS	LAMP TYPE
1' x 4'	4	28WT5, 54WT5HO
2' x 2'	5	14WT5, 24WT5HO
2' x 4'	5	28WT5, 54WT5HO

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

¹ Specify number of lamps and lamp type. See configurations table. Consult factory for other lamps.

VC2A

**Construction**

Housing: Nominal 2'x2' or 2'x4' units fabricated from die-formed, 20-gauge, cold-rolled steel. Ballast compartments provided with 7/8"-diameter KOs.

Door frame: Die-formed, 18-gauge, cold-rolled steel. Securely encloses the shielding on four sides preventing any light leak.

Finish: White enamel interior; matte black exposed exterior.

Optics

Reflector: Die-formed, cold-rolled steel with 89% reflectance finish.

Shielding: Clear prismatic low-brightness acrylic lens (pattern 12) or injection-molded specular silver 1/2"x1/2" parabolic louver with 45-degree cutoff.

Electrical

Lamps: (4) T5, T5HO or T8 lamps. Consult factory for other lamps.

Ballast: Thermally protected Class P energy-saving electronic ballast.

Installation

Mounting: Recessed lay-in. 15/16" wide inverted tee.

Listings

Certification: UL Listed, IBEW (Local 3) Union-made in the USA.

ORDERING INFORMATION

Example: VC2A 22 G 4T5 EB 120 PLM

Series	Size	Ceiling type	Number of lamps/Lamp type ¹	Ballast								
VC2A	22 2' x 2'	G Recessed grid, inverted tee	<table border="1"> <thead> <tr> <th>Number of lamps</th> <th>Lamp type¹</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>T5 T5HO T8</td> </tr> </tbody> </table>	Number of lamps	Lamp type ¹	4	T5 T5HO T8	<table border="1"> <tbody> <tr> <td>EB</td> <td>Electronic</td> </tr> <tr> <td>EDB</td> <td>Electronic dimming</td> </tr> </tbody> </table>	EB	Electronic	EDB	Electronic dimming
	Number of lamps			Lamp type ¹								
4	T5 T5HO T8											
EB	Electronic											
EDB	Electronic dimming											
	24 2' x 4'											
Voltage		Shielding	Options									
120		PLM Parabolic louver, injection-molded specular silver	EMPK Emergency battery pack									
277		P12 Clear prismatic acrylic lens, pattern 12										
347												

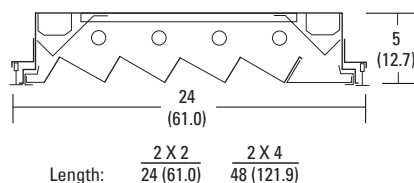
ADDITIONAL INFORMATION

For additional product information, visit www.marklighting.com.

CONFIGURATIONS

SIZE	NUMBER OF LAMPS	LAMP TYPE
2' x 2'	4	14WT5, 24WT5HO, 17WT8
2' x 4'	4	28WT5, 54WT5HO, 32WT8

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

¹ See configurations table for lamp wattage. Consult factory for other lamps.

VC2C

Construction

Housing: Nominal 1'x2' or 1'x4' units fabricated from die-formed, 20-gauge, cold-rolled steel. Ballast compartments provided with 7/8"-diameter KO's.

Housing trim: Regressed angled bottom trim die-formed, 20-gauge, cold-rolled steel.

Finish: Housing, trim and ends in matte black.

Optics

Reflector: Die-formed, cold-rolled steel with 89% reflectance white finish.

Electrical

Lamps: (1) or (2) T5, T5HO or T8 lamps.

Ballast: Thermally protected Class P energy-saving electronic ballast.

Installation

Mounting: Recessed lay-in, 15/16" wide inverted tee.

Listings

Certification: UL Listed, IBEW (Local 3) Union-made in the USA.



Example: VC2C 12 G 1T5 EB 120 CBPA

ORDERING INFORMATION

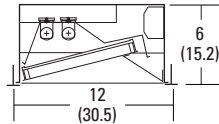
Series	Size	Ceiling type	Number of lamps/Lamp type ¹		Ballast	Voltage	Shielding	Options
			Number of lamps	Lamp type ¹				
VC2C	12 1' x 2'	G Recessed grid, inverted tee	1	T5	EB Electronic	120	CBPA Cross baffle, matte black with clear prismatic acrylic lens overlay	EMPK Emergency battery pack
	14 1' x 4'		2	T5HO	EDB Electronic dimming	277	PA Clear prismatic asymmetric acrylic lens	
				T8		347		

ADDITIONAL INFORMATION

For additional product information, visit www.marklighting.com.

CONFIGURATIONS		
SIZE	NUMBER OF LAMPS	LAMP TYPE
1' x 2'	1, 2	14WT5, 24WT5HO, 17WT8
1' x 4'	1, 2	28WT5, 54WT5HO, 32WT8

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Length: $\frac{1 \times 2}{24 (61.0)}$ $\frac{1 \times 4}{48 (121.9)}$

Notes

1 See configurations table for lamp wattage. Consult factory for other lamps.

PRODUCT INFORMATION

PERIMETER PLUS



Construction
Housing: Die-formed, 20-gauge, cold-rolled steel.

Ceiling and wall trim: Precision-extruded aluminum.

Housing finish: Standard finish is matte white.

Optics
Shielding: Unshielded. Open parabolic, silver or white reflector options available.

Reflector: Opaque white or silver metallic reflector in standard lengths up to 40 feet. Reflector can be

field-trimmed with scissors or utility knife at job site to accommodate any run length.

Electrical
Lamps: Standard 9" stagger, (1) or (2) T5, T5HO or T8. Lamps provided by others.

Ballast: Thermally protected Class P energy-saving electronic ballast.

Installation
Mounting: Recessed perimeter wall wash in 8-ft., 6-ft., 4-ft., 3-ft. and 2-ft. sections. Telescoping housing and

lamp sections provided in all runs and patterns.

Corners: 90-degree inside or outside molded corners.

Listings
Certification: UL Listed, IBEW (Local 3) Union-made in the USA.

ORDERING INFORMATION

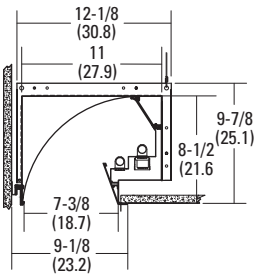
Example: PPL 16FT WH 2T5 EB 120

Series	Length ¹	Reflector	Corner color	Corner configurations	Number of lamps/Lamp type ²								
PPL Perimeter Plus	___ft. Provide wall-to-wall dimensions	SL Silver WH White	SL Silver WH White	90IC 90° inside molded corner 90OC 90° outside molded corner	<table border="1"> <thead> <tr> <th>Number of lamps</th> <th>Lamp type¹</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>T5</td> </tr> <tr> <td>2</td> <td>T5HO</td> </tr> <tr> <td></td> <td>T8</td> </tr> </tbody> </table>	Number of lamps	Lamp type ¹	1	T5	2	T5HO		T8
Number of lamps	Lamp type ¹												
1	T5												
2	T5HO												
	T8												
Ballast		Voltage		Options									
EB Electronic		120		EMPK Emergency battery pack									
EDB Electronic dimming		277											
		347											

ADDITIONAL INFORMATION

For additional product information, visit www.marklighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Provide field dimensions when placing order. For patterns, clearly indicate inside or outside corners. Upon request, factory will prepare installation drawings for approval.
- 2 Consult factory for other lamps.

MP



Construction

Housing: Die-formed, 20-gauge, cold-rolled steel.

Trim: Precision-extruded aluminum.

Trimmable housing: Die-formed aluminum.

Finish: Standard finish is matte white. Please specify other finishes.

Optics

Shielding: Extruded aluminum bold baffle, parabolic baffle, clear prismatic lens or soft-white acrylic.

Reflector: Diffuse aluminum.

Electrical

Lamps: (1) or (2) T8, T5 or T5HO with 3" stagger. Strips snap into clevises within outer housings. Last strip is

telescopic. Lamps provided by others.

Ballast: Thermally protected Class P energy-saving electronic ballast.

Installation

Mounting: Recessed perimeter wall wash in 8-ft., 6-ft., 4-ft., 3-ft. and 2-ft. sections.

Corners: 90- and 135-degree inside or outside, available as standard units.

Listings

Certification: UL Listed, IBEW (Local 3) Union-made in the USA.

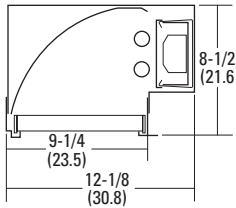
Example: MP 16FT 2T5 EB 120 PB2

ORDERING INFORMATION				
Series	Length ¹	Number of lamps/Lamp type ²		Ballast
MP	___ft. Provide wall-to-wall dimensions	Number of lamps	Lamp type²	EB Electronic EDB Electronic dimming
		1	T5	
		2	T5HO T8	
Voltage		Shielding		Options
120	EBB Extruded aluminum bold baffle, 3/16" blades 1" h. x 1.2" o.c.			EMPK Emergency battery pack
277	PB2 Parabolic louver, blades 2" h. X 4" o.c. diffuse aluminum			
347	PA Clear prismatic acrylic, K12 pattern			
	SW Soft-white acrylic			

ADDITIONAL INFORMATION

For additional product information, visit www.marklighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Provide field dimensions when placing order. For patterns, clearly indicate inside or outside corners. Upon request, factory will prepare installation drawings for approval.
- 2 Consult factory for other lamps.

PRODUCT INFORMATION

SP



Construction

Housing: Housing and vertical fascias are extruded aluminum. Internal wiring trays are 20-gauge, cold-rolled steel.

Housing finish: Standard finish is matte white.

Optics

Shielding: Extruded matte white acrylic lens snaps into housing.

Electrical

Lamps: Standard 6" stagger, (1) or (2) T5 or T5HO or (1) T8 (in cross section). Lamps provided by others.

Ballast: Thermally protected Class P energy-saving electronic ballast.

Installation

Mounting: Recessed perimeter wall wash in 8-ft., 6-ft., 4-ft., 3-ft., and 2-ft. sections.

Corners: 90-degree inside or outside corners.

Listings

Certification: UL Listed, IBEW (Local 3) Union-made in the USA.

ORDERING INFORMATION

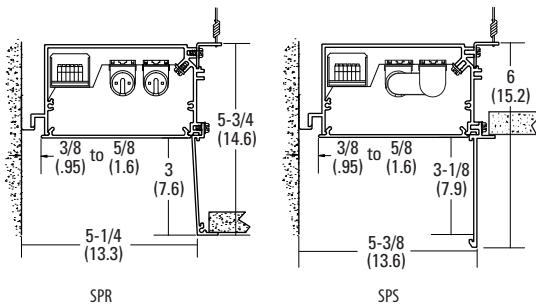
Example: SPR 18FT G 2T5 EB 120 SW

Series	Length ¹	Ceiling type	Number of lamps/Lamp type	
SPR Fully recessed SP	___ft. Provide wall-to-wall dimensions	G Grid	Number of lamps	Lamp type
SPS Semi recessed SP		F Flanged	1	T5
			2 ²	T5HO T8
Ballast	Voltage	Lens	Options	
EB Electronic	120	SW Soft-white acrylic	EMPK Emergency battery pack	
EDB Electronic dimming	277 347			

ADDITIONAL INFORMATION

For additional product information, visit www.marklighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Provide field dimensions when placing order. For patterns, clearly indicate inside or outside corners. Upon request, factory will prepare installation drawings for approval.
- 2 T5 and T5HO only.

PRODUCT INFORMATION

Construction

Housing: Fabricated from die-formed, 20-gauge, cold-rolled steel. Ballast compartments provided with 7/8"-diameter KOs at either end of housing for through wiring.

Finish: Baked white enamel.

Optics

Reflector: Die-formed, cold-rolled steel with 89%-reflectance white finish.

Shielding: 3/8" high blades at 3/4" on center. Blades are an integral part of the fixture housing and can be provided in a down position (visible below fixture housing) or in an up position (concealed within housing). Indirect component is provided with an acrylic prismatic lens. Housing stays on wall and wiring tray lifts out through top to service ballasts.

Electrical

Lamps: (1) or (2) T5, T5HO or T8 lamps. Lamps provided by others.

Ballast: Thermally protected Class P energy-saving electronic ballast.

Installation

Mounting: Wall wash 4" x 4" x 2 ft., 4 ft. or 8 ft. long. All units are intermediate units

and are provided with field-attachable finishing end caps to terminate runs.

Listings

Certification: UL Listed, IBEW (Local 3) Union-made in the USA.

DUET



ORDERING INFORMATION

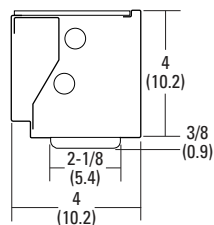
Example: DUW 4 2T5 EB 120 LU

Series	Length	Number of lamps/Lamp type ¹		Ballast	Voltage	Shielding	Options	
		Number of lamps	Lamp type ¹				EMPK ²	Emergency battery pack
DUW Duet Wall	2 Nominal 2'	1	T5	EB ² Electronic	120	LU Louver up	SW ³ Soft-white overlay	
	4 Nominal 4'		T5HO	EDB ² Electronic dimming	277	LD Louver down		
	8 Nominal 8'		T8		347			

ADDITIONAL INFORMATION

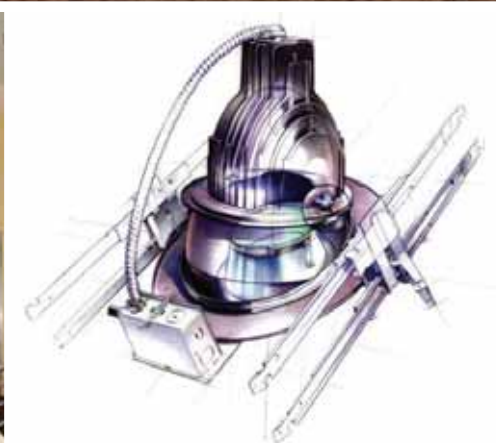
For additional product information, visit www.marklighting.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Consult factory for other lamps.
- 2 Slim-profile ballasts and slim emergency battery packs only.
- 3 Soft-white overlay for LD shielding only.



GOTHAM

Gotham architectural downlighting, founded in 1938 by Harry Gerstel, has an extensive history of delivering quality architectural downlighting while blending harmoniously within the ceiling. With each fixture, Gotham strives for design simplicity and excellent performance. Gotham aims to meet the needs of architects, designers and engineers with quality products that set the highest standards in appearance and uniformity.



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Gotham ECOS™ recessed luminaires are uniquely enabled by LED technology to deliver performance, comfort and aesthetics that clearly are superior to conventional downlighting systems. The ECOS family includes downlight and wallwash luminaires in 4" and 6" apertures available with dimming and emergency options. ECOS™ uses advanced solid state (mercury-free) components to efficiently deliver lumens at levels comparable to those of well-established lighting tools – 26W and 32W CFL.



ECSR

ECOS™
LED



Intended Use

High-performance recessed LED luminaire that satisfies a wide range of needs in commercial and architectural applications such as office, educational and retail environments.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Mounting bars provided with continuous 4" vertical adjustment. Post-installation adjustment possible from above or below ceiling without the

use of tools. Light engine and driver are accessible from above or below ceiling. Secondary housing adjustment system for precise, final ceiling-to-flange alignment.

Optics

Self-flanged semi-specular or matte-diffuse reflector. Patented optical design provides source before source image and smooth transition from top of reflector to bottom.

Electrical

Solid state LED light engine available in 3500°K and 4100°K color temperatures.

Class P, thermally protected solid state driver mounted to the junction box. Rated system life of 50,000 hours at 70% output. Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).



ORDERING INFORMATION

Example: ECSR 35/10 4AR LD 120

Series	Color temperature/Nominal lumen output		Aperture/Trim			Finish		Voltage	Driver	Options	
	Color temperature	Nominal lumen output	Aperture	Trim		(blank)					
ECSR	35/	10	4	AR	Clear	(blank)	Semi-specular	120	(blank)	Solid state LED driver SIMPLY5™ energy management system ^{5,6} S5 HW SIMPLY5™ energy management system less RELOC ⁶ SYZT 0-10V Sylvania dimming system	
	41/	14	6	PR	Pewter	LD	Matte-diffuse	277	S5		
					WTR	Wheat			347 ⁴		S5 HW
					CR	Champagne gold					SYZT
					WR	White painted ³					
					MB	Black baffle ³					
				WB	White baffle ³						

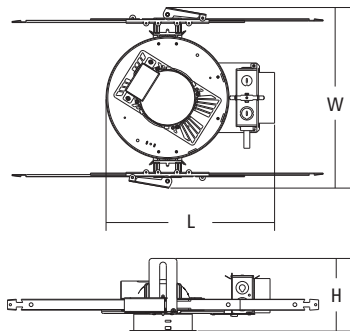
For options and accessories, see pages 310-315.

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
ECSR 4	6-1/16 (15.4)	14-3/16 (36.0)	15-1/4 (38.7)	4-3/8 (11.1)	5-1/16 (12.9)	5-5/8 (14.3)
ECSR 6	6-1/16 (15.4)	14-3/16 (36.0)	15-1/4 (38.7)	6-1/4 (15.9)	7-1/8 (18.1)	7-5/8 (19.4)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available in 4" aperture only.
- 2 Available in 6" aperture only.
- 3 Not available with finishes.
- 4 Height of fixture increases 3".
- 5 SIMPLY5™ includes 9' SSMLC RELOC® wiring system (shipped separately).
- 6 Available in 120V or 277V only.

ECSRW

ECOS™
LED



Intended Use

High-performance recessed LED luminaire that satisfies a wide range of needs in commercial and architectural applications such as office, educational and retail environments.

Construction

16-gauge galvanized steel mounting bars with continuous 4" vertical adjustment. Post-installation adjustment possible from above or below

ceiling without the use of tools. Light engine and driver are accessible from above or below ceiling. Secondary housing adjustment system for precise, final ceiling-to-flange alignment.

Optics

Self-flanged semi-specular or matte-diffuse reflector. Patented optical design provides source before source image and smooth transition from top of reflector

to bottom. Outer kicker reflector with inner reflector provides uniform wallwash performance from ceiling to floor and fixture to fixture.

Electrical

Solid state LED light engine available in 3500°K and 4100°K color temperatures. Class P, thermally protected solid state driver mounted to the junction box. Rated system life of 50,000 hours

at 70% output. Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).



ORDERING INFORMATION

Example: ECSRW 35/10 4AR LD 120

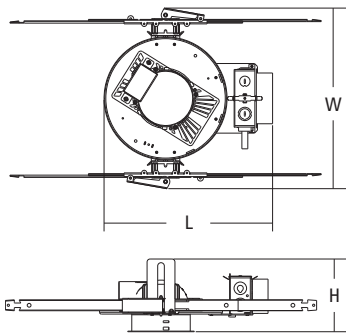
Series	Color temperature/Nominal lumen output			Aperture/Trim		Finish	Voltage	Driver	Options
	Color temperature	Nominal lumen output		Aperture	Trim				
ECSRW	35/	10	1000 lumens ¹	4	AR Clear	(blank) Semi-specular	120	(blank)	Solid state LED driver SIMPLY5™ energy management system ^{5,6} SIMPLY5™ energy management system less RELOC® ⁶ 0-10V Sylvania dimming system
	41/	14	1400 lumens ²	6	PR Pewter	LD Matte-diffuse	277	S5	
					WTR Wheat		347 ⁴	S5 HW	
					CR Champagne gold			SYZT	
					WR White painted ³				For options and accessories, see pages 310-315.

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
ECSRW 4	6-1/16 (15.4)	14-3/16 (36.0)	15-1/4 (38.7)	4-3/8 (11.1)	5-1/16 (12.9)	5-5/8 (14.3)
ECSRW 6	6-1/16 (15.4)	14-3/16 (36.0)	15-1/4 (38.7)	6-1/4 (15.9)	7-1/8 (18.1)	7-5/8 (19.4)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available in 4" aperture only.
- 2 Available in 6" aperture only.
- 3 Not available with finishes.
- 4 Height of fixture increases 3".
- 5 SIMPLY5™ includes 9' S5MLC Reloc® wiring system (shipped separately).
- 6 Available in 120V or 277V only.

PRODUCT INFORMATION

Intended Use

For general downlight or wallwash applications that demand high efficiency and superior optical control.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Wallwash: Integral

yoke and flat spring utilized to retain optical system.

Optics

Self-flanged semi-specular or matte-diffuse reflector. Patented optical design provides lamp before lamp image and smooth transition from top of the reflector to bottom for optimal fixture performance and efficiency. Wallwash: Highly reflective outer kicker reflector provides smooth, uniform illumination floor

to ceiling, edge to edge. Inner cone is contoured to eliminate room-side flash. For optimal uniformity, the recommended luminaire spacing is 3' from the wall and 3' centers.

Electrical

Rugged aluminum lampholder housing. Vertically mounted, positive-latch, thermoplastic socket. Class P, thermally protected, high-power-factor

electronic ballast mounted to the junction box.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Vertisys® - Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

**AFV
AFVW**

Vertical Lamp
Double Twin-Tube (DTT)
Triple-Tube (TRT)



Example: AFV 32TRT 6AR MVOLT

ORDERING INFORMATION

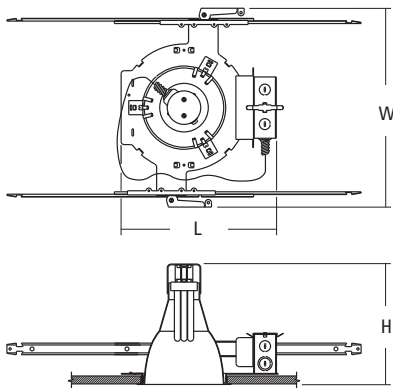
Series	Lamp type	Aperture/Trim		Finish	Lens		Voltage	Options	
AFV Downlight	13DTT	Aperture	Trim	(blank)	Semi-specular	(blank)	No lens	MVOLT ⁴	
AFVW Wallwash	18DTT			LD	Matte-diffuse	CGL	Clear glass lens	120	For options and accessories, see pages 310-315.
	26DTT	4 ¹	AR	Clear		CAL	Clear acrylic lens	277	
	13TRT	6	PR	Pewter		PCL	Clear polycarbonate lens	347	
	18TRT	8	WTR	Wheat		T73	Tempered prismatic lens ³		
	26TRT		WR	White painted ²		A12	Prismatic acrylic lens ³		
	32TRT		MB	Black baffle ^{2,3}		PPC	Prismatic polycarbonate lens ³		
	42TRT		WB	White baffle ^{2,3}					

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	LAMP	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
AFV/AFVW 4	DTT, TRT	9 (22.9)	14-3/8 (36.5)	15-7/8 (40.3)	4-5/16 (11.0)	5-1/8 (13.0)	5-7/16 (13.8)
AFV 6	DTT, 42TRT	10-1/4 (26.0)	14-3/8 (36.5)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AFVW 6	DTT, 42TRT	10-7/8 (27.6)	14-3/8 (36.5)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AFV 6	13DTT, TRT	9-3/8 (23.8)	14-3/8 (36.5)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AFVW 6	13DTT, TRT	10 (25.4)	14-3/8 (36.5)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AFV 8	DTT, 42TRT	11 (27.9)	14-3/8 (36.5)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
AFVW 8	DTT, 42TRT	11-5/8 (29.5)	14-3/8 (36.5)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
AFV 8	13DTT, TRT	10-5/8 (27.0)	14-3/8 (36.5)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
AFVW 8	13DTT, TRT	10-1/8 (25.7)	14-3/8 (36.5)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available in 13DTT, 13TRT, 18TRT, 26TRT and 32TRT lamp only.
- 2 Not available with finishes.
- 3 AFV only.
- 4 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60Hz.

PRODUCT INFORMATION

AF AFW

Horizontal Lamp Triple-Tube (TRT)



Intended Use

For general downlight or wallwash applications that demand high efficiency and superior optical control.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Optics

Self-flanged semi-specular or matte-diffuse reflector. Patented optical design provides lamp before lamp image and smooth transition from top of the reflector to bottom for optimal fixture performance and efficiency. Wallwash: Highly reflective outer kicker reflector provides smooth, uniform illumination floor to ceiling, edge to edge. Inner cone is contoured to eliminate room-side flash.

Hinged lamp door reduces stray light in the plenum. For optimal uniformity, the recommended luminaire spacing is 3' from the wall and 3' centers.

Electrical

Horizontally mounted, positive-latch, thermoplastic socket(s). Socket housing ventilated for convective cooling. Class P, thermally protected, high-power-factor electronic ballast(s) mounted to the junction box.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

ORDERING INFORMATION

Example: AF 1/32TRT 8AR MVOLT

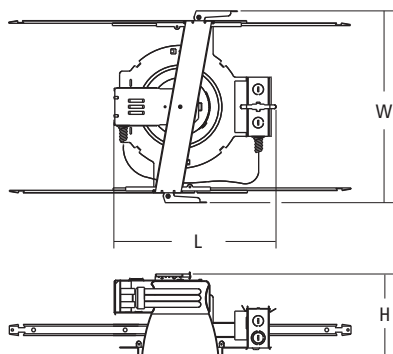
Series	Number of lamps/Lamp type		Aperture/Trim			Finish	Lens		Voltage	Options	
AF Downlight	Number of lamps	Lamp type	Aperture	Trim		(blank)	Semi-specular	(blank)	No lens	MVOLT ⁶	For options and accessories, see pages 310-315.
AFW Wallwash						LD	Matte-diffuse	CGL	Clear glass lens	120	
	1/	13TRT	6	AR	Clear			PCL	Clear polycarbonate lens	277	
	2/ ¹	18TRT	8	PR	Pewter			T73	Tempered prismatic lens ⁵	347	
	3/ ²	26TRT	10	WTR	Wheat			PPC	Prismatic polycarbonate lens ⁵		
		32TRT		WR	White painted ⁴						
		42TRT		MB	Black baffle ^{4,5}						
		57TRT ³		WB	White baffle ^{4,5}						
				BC	Black cone ^{4,5}						

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
AF/AFW 6	7-3/4 (19.7)	14-5/8 (37.1)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AF/AFW 8	8-3/4 (22.2)	15-1/4 (38.7)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
AF/AFW 10	9-3/4 (24.8)	18-1/2 (47.0)	17-3/8 (44.1)	9-3/4 (24.8)	10-1/2 (26.7)	11-1/8 (28.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Available in 8" and 10" aperture only.
- Available in 10" aperture only.
- Available in 8" aperture 1-lamp, or 10" aperture 1- or 2-lamp only, Sylvania or Philips.
- Not available with finishes.
- AF only.
- Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60Hz.

Intended Use

For general downlight or wallwash applications that demand high efficiency and superior optical control.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Optics

Self-flanged semi-specular or matte-diffuse reflector. Patented optical design provides lamp before lamp image and smooth transition from top of the reflector to bottom for optimal fixture performance and efficiency. Wallwash: Highly reflective outer kicker reflector provides smooth, uniform illumination floor to ceiling, edge to edge. Inner cone is contoured to eliminate room-side flash.

For optimal uniformity, the recommended luminaire spacing is 3' from the wall and 3' centers.

Electrical

Horizontally mounted, positive-latch, thermoplastic socket(s). Socket housing ventilated for convective cooling. Class P, thermally protected, high-power-factor electronic ballast(s) mounted to the junction box.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

**AF
AFW**

Horizontal Lamp
Double Twin-Tube (DTT)



Example: AFW 2/26DTT 6AR MVOLT

ORDERING INFORMATION

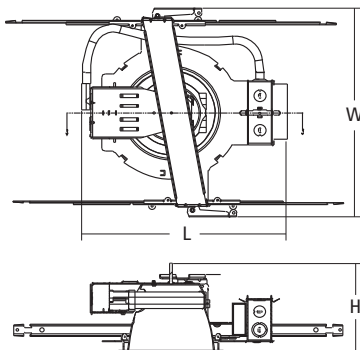
Series	Number of lamps/Lamp type		Aperture/Trim		Finish	Lens	Voltage	Options
	Number of lamps	Lamp type	Aperture	Trim	(blank) Semi-specular	(blank) No lens	MVOLT ⁵	For options and accessories, see pages 310-315.
AF Downlight			6	AR Clear	LD Matte-diffuse	CGL Clear glass lens	120	
AFW Wallwash	1/	13DTT	8	PR Pewter		CAL Clear acrylic lens	277	
	2/	18DTT	10 ²	WTR Wheat		PCL Clear polycarbonate lens	347	
	3/ ¹	26DTT		WR White painted ³		T73 Tempered prismatic lens ²		
				MB Black baffle ^{2,3}		A12 Prismatic acrylic lens ²		
				WB White baffle ^{2,3}		PPC Prismatic polycarbonate lens ²		
				BC Black cone ^{2,3,4}				

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
AF/AFW 6	6-3/4 (17.1)	15-3/4 (40.0)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-5/8 (19.4)
AF/AFW 8	7-3/4 (19.7)	15-3/4 (40.0)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
AF 10	7-3/16 (18.3)	18-1/8 (46.0)	17-3/8 (44.1)	9-3/4 (24.8)	10-1/2 (26.7)	10-7/8 (27.6)
AF 10 MB/WB	8-9/16 (21.7)	18-1/8 (46.0)	17-3/8 (44.1)	9-3/4 (24.8)	10-1/2 (26.7)	10-7/8 (27.6)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available in 10" aperture only.
- 2 AF only.
- 3 Not available with finishes.
- 4 Available in 6" and 8" aperture only.
- 5 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60Hz.

PRODUCT INFORMATION

AF

Horizontal Lamp Triple-Tube (TRT)



Intended Use

For general downlight applications that demand high efficiency and superior optical control. Cross baffle reflector provides additional shielding.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Optics

Self-flanged semi-specular or matte-diffuse cross baffle reflector that offers optical cut-off with a clean aperture appearance. Patented optical design provides lamp before lamp image and smooth transition from the top of the reflector to bottom for optimal fixture performance and efficiency. Hinged lamp door reduces stray light in the plenum.

Electrical

Horizontally mounted, positive-latch, thermoplastic socket(s). Socket housing ventilated for convective cooling. Class P, thermally protected, high-power-factor electronic ballast(s) mounted to the junction box.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian

Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

ORDERING INFORMATION

Example: AF 1/32TRT 8CB MVOLT

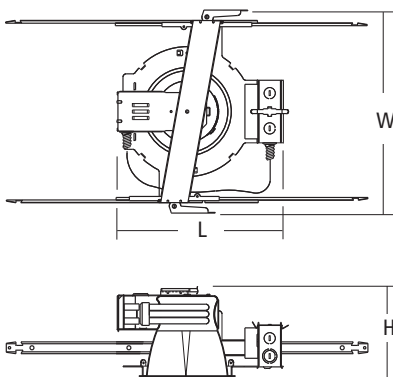
Series	Number of lamps/Lamp type		Aperture/Trim		Finish	Lens		Voltage	Options
AF	Number of lamps	Lamp type	Aperture	Trim	(blank) Semi-specular	(blank) No lens	MVOLT ⁴	For options and accessories, see pages 310-315.	
	1/	13TRT	6	CB Clear cross baffle	LD Matte-diffuse	CGL Clear glass lens	120		
	2/ ¹	18TRT	8			T73 Tempered prismatic lens	277		
	3/ ²	26TRT	10				347		
		32TRT							
	42TRT								
	57TRT ³								

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
AF 6	7-3/4 (19.7)	14-5/8 (37.1)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AF 8	8-3/4 (22.2)	15-1/4 (38.7)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
AF 10	9-3/4 (24.8)	18-1/2 (47.0)	17-3/8 (44.1)	9-3/4 (24.8)	10-1/2 (26.7)	11-1/8 (28.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available in 8" and 10" aperture only.
- 2 Available in 10" aperture only.
- 3 Available in 8" aperture 1-lamp, or 10" aperture 1- or 2-lamp only, Sylvania or Philips.
- 4 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60Hz.

Intended Use

For general downlight and wallwash applications that demand high efficiency and superior brightness control in shallow plenum areas. Cross baffle reflector provides additional shielding.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars

provide horizontal and vertical adjustment.

Optics

Downlight: Specular upper reflector. Semi-specular or matte-diffuse cross baffle reflector. Optical system optimally balances brightness control and high efficiency. Lamp is visible before reflected lamp image.

Wallwash: Specular upper reflector. Self-flanged, semi-specular or matte-diffuse

cross baffle reflector. Optical system designed to deliver a uniform distribution of light to the wall.

Electrical

Die-cast aluminum lampholder housing ventilated for convective cooling. Horizontally mounted, positive-latch, thermoplastic sockets. Class P, thermally protected, high-power-factor electronic ballast(s) mounted to the junction box.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

**AFZ
AFZW**

Horizontal Lamp
Double Twin-Tube (DTT)



Example: AFZW 2/26DTT 84A MVOLT

ORDERING INFORMATION

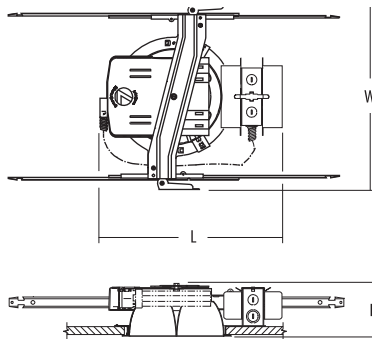
Series	Number of lamps/Lamp type		Aperture/Trim		Finish	Voltage	Options
	Number of lamps	Lamp type	Aperture	Trim			
AFZ Downlight					(blank) Semi-specular	MVOLT ³	For options and accessories, see pages 310-315.
AFZW Wallwash	2/	13DTT	8	4A Clear	LD Matte-diffuse	120	
		18DTT		4P Pewter		277	
		26DTT		4WT Wheat		347	
				4W White painted ^{1,2}			

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
AFZ/AFZW	5-1/4 (13.3)	15-5/8 (39.7)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/8 (23.2)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Not recommended for use with AFZW.
- 2 Not available with finishes.
- 3 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60Hz.

PRODUCT INFORMATION

LAF

Horizontal Lamp Double Twin-Tube (DTT) Triple-Tube (TRT)



Intended Use

Provides uniform general illumination for institutional, office, commercial and retail applications.

Construction

16-gauge galvanized steel thru-wire junction box. Telescoping mounting bracket with integral nailer tabs. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Optics

Semi-specular anodized aluminum upper reflector.

Die-cast aluminum door frame with gasketed flange. Regressed white door (RW), stepped black baffle (SB), stepped white baffle (SW) or flush white door (FW) available with tempered prismatic lens (T73), semi-flush lens (SFL), drop opal lens (DOL), flat Fresnel lens (FFL), flat Holophane lens (FHL) or drop Holophane lens (DHL). White-painted flange.

Electrical

Horizontally mounted, positive-latch, thermoplastic socket(s). Class P, thermally

protected, high-power-factor electronic ballast(s) mounted to the junction box.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and wet locations. Listed and labeled to comply with Canadian Standards.

ORDERING INFORMATION

Example: LAF 2/26DTT 11RW T73 MVOLT

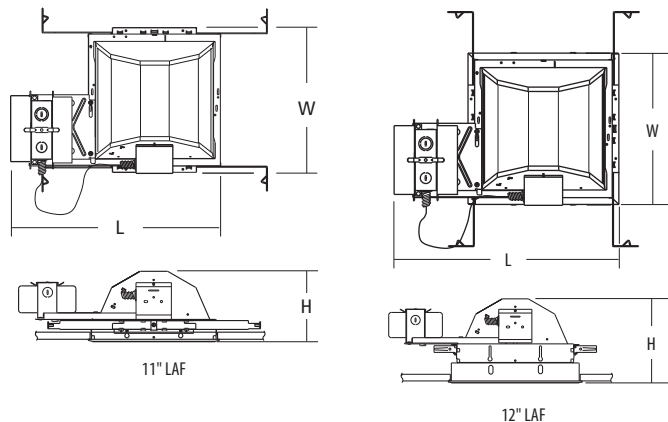
Series	Number of lamps/Lamp type		Aperture/Door		Lens	Voltage	Options		
LAF	Number of lamps	Lamp type	Aperture	Door	11"	MVOLT ³	For options and accessories, see pages 310-315.		
								1/	13DTT
	2/	18DTT	12	SB	Stepped black baffle ²	SFL		Semi-flush lens	277
		26DTT		SW	Stepped white baffle ²	DOL		Drop opal lens	347
		13TRT		FW	Flush white door ²	12"			
		18TRT				T73		Tempered prismatic lens	
		26TRT				FFL		Flat Fresnel lens	
		32TRT				FHL		Flat Holophane lens	
		42TRT				DHL		Drop Holophane lens	

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
LAF 11	6 (15.2)	17-1/2 (44.5)	12-1/8 (30.8)	10-1/8 (25.7)	11-1/4 (28.6)	11-5/8 (29.5)
LAF 12	7-3/4 (19.7)	18 (45.7)	12-1/8 (30.8)	10-7/8 (27.6)	12-1/4 (31.1)	12-5/8 (32.1)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available in 11" aperture only.
- 2 Available in 12" aperture only.
- 3 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60Hz.

Intended Use

For special purpose downlight applications that require enclosed optics in shallow plenum areas.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Door assembly is retained by two self-aligning, torsion support springs.

Optics

White-painted upper reflector. Regressed white door (RW) or stepped black baffle (SB) available with tempered prismatic lens (T73), flat Fresnel lens (FFL) or flat opal lens (FOL). Hinged lamp door reduces stray light in the plenum.

Electrical

Horizontally mounted, positive-latch, thermoplastic socket(s). Socket housing ventilated for convective cooling. Class P, thermally

protected, high-power-factor electronic ballast(s) mounted to the junction box.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and wet locations. Listed and labeled to comply with Canadian Standards.

LGF

Horizontal Lamp Double Twin-Tube (DTT) Triple-Tube (TRT)



Example: LGF 2/26TRT 8RW T73 MVOLT

ORDERING INFORMATION

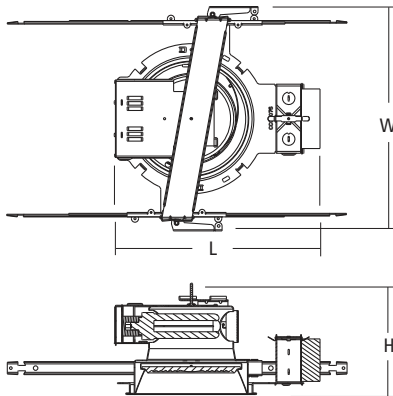
Series	Number of lamps/Lamp type		Aperture/Door		Lens	Voltage	Options
LGF	Number of lamps	Lamp type	Aperture	Door	T73 Tempered prismatic lens	MVOLT ⁵	For options and accessories, see pages 310-315.
	1/	26DTT ³	6	RW Regressed white door	FFL Flat Fresnel lens	120	
	2/ ¹	13TRT	8	SB Stepped black baffle	FOL Flat opal lens	277	
	3/ ²	18TRT	10			347	
		26TRT					
		32TRT					
		42TRT					
		57TRT ⁴					

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
LGF 6	6-3/4 (17.1)	14-5/8 (37.1)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
LGF 8	7-7/8 (20.1)	15-1/4 (38.7)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
LGF 10	8-5/8 (21.9)	18-1/2 (47.0)	17-3/8 (44.1)	9-3/4 (24.8)	10-1/2 (26.7)	11-1/8 (28.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available in 8" and 10" aperture only.
- 2 Available in 10" aperture only.
- 3 Ships as a TRT fixture.
- 4 Available in 8" aperture 1-lamp, or 10" aperture 1- or 2-lamp only, Sylvania or Philips.
- 5 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60Hz.

PRODUCT INFORMATION

LGFV

Vertical Lamp
Double Twin-Tube (DTT)
Triple-Tube (TRT)



Intended Use

For special purpose downlight applications that require enclosed optics.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Door assembly is retained by two self-aligning, torsion support springs.

Optics

White painted upper reflector. Regressed white door (RW) or stepped black baffle (SB) available with tempered prismatic lens (T73), flat Fresnel lens (FFL) or flat opal lens (FOL).

Electrical

Rugged aluminum lampholder housing. Vertically mounted, positive-latch, thermoplastic socket. Class P, thermally protected, high-power-factor electronic ballast mounted to the junction box.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and wet locations. Listed and labeled to comply with Canadian Standards.

ORDERING INFORMATION

Example: LGFV 26TRT 8RW T73 MVOLT

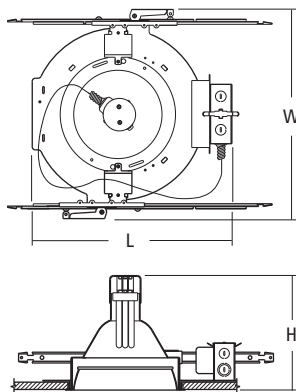
Series	Lamp type	Aperture/Door	Lens	Voltage	Options
LGFV	26DTT ¹	Aperture Door	T73 Tempered prismatic lens	MVOLT ³	For options and accessories, see pages 310-315.
	13TRT	6 RW Regressed white door	FFL Flat Fresnel lens	120	
	18TRT	8 SB Stepped black baffle	FOL Flat opal lens	277	
	26TRT	10		347	
	32TRT				
	42TRT				
	57TRT ²				
	70TRT ²				

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
LGFV 6	9 (22.9)	14-3/8 (36.5)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
LGFV 8	9-5/8 (24.4)	14-3/8 (36.5)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
LGFV 10	14-1/8 (35.9)	18-1/2 (47.0)	17-1/4 (43.8)	9-3/4 (24.8)	10-1/2 (26.7)	11-1/8 (28.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Ships as a TRT fixture.
- 2 Available in 10" aperture only.
- 3 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60Hz.

AQL

QL Induction Lamp



Intended Use

For special purpose downlight applications that demand high efficiency, superior optical control and where extended lamp life is desired.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Large aluminum heat sink for effective heat

dissipation and improved system life.

Optics

Self-flanged semi-specular or matte-diffuse reflector. Patented optical design provides lamp before lamp image and smooth transition from top of reflector to bottom.

Electrical

Features electrodeless technology with 100,000-hour average lamp life rating. Induction system

includes lamp, power coupler and generator. Ships with lamp installed. Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

Example: AQL 55IL 10AR 120

ORDERING INFORMATION

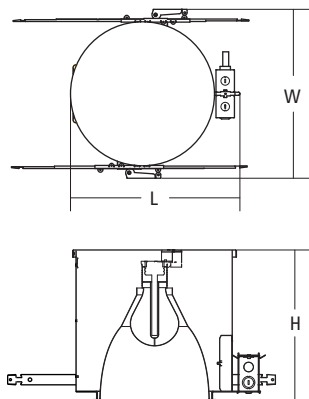
Series	Lamp type	Aperture/Trim		Finish	Lens	Voltage	Options
AQL	55IL ¹	Aperture Trim		(blank) Semi-specular	(blank) No lens	120	For options and accessories, see pages 310-315.
	85IL ¹	10	AR Clear	LD Matte-diffuse	CGL Clear glass lens	277	
	165IL ²	12	PR Pewter	WTR Wheat	T73 Tempered prismatic lens		
			WR White painted ³				

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE/LAMP	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
AQL 10	85 IL	13-1/2 (34.3)	17-1/4 (43.8)	17-1/4 (43.8)	9-3/4 (24.8)	10-3/8 (26.4)	10-3/4 (27.3)
AQL 12	165 IL	18-3/8 (46.7)	19-3/8 (49.2)	17-3/16 (43.7)	11-7/8 (30.2)	12-3/8 (31.4)	13-1/8 (33.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available in 10" aperture only.
- 2 Available in 12" aperture only.
- 3 Not available with finishes.

PRODUCT INFORMATION

PDLFV

Candéo®
Vertical Lamp
Triple-Tube (TRT)



Intended Use

High-performance downlight with dynamic color-changing accent features designed to add visual interest.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Optics

Patented three-part system interacts to create the effect of an aperture floating within

a pool of diffused light. Self-flanged white-painted outer cone. Field adjustable to three settings, the inner reflector is painted white on the outer surface with semi-specular or matte-diffuse inner surface. Patented optical design provides lamp before lamp image and smooth transition from top of reflector to bottom. Patented dual-reflector optical system allows effective general illumination with a compact fluorescent source to function independently from a

color-changing LED source. An array of Red-Green-Blue LEDs provide up to 16.6 million vibrant color options. LEDs are visually shielded to prevent a direct line of sight to the source.

Electrical

Rugged aluminum lampholder housing. Vertically mounted, positive-latch, thermoplastic socket. Class P, thermally protected, high-power-factor electronic ballast mounted to the junction box.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and dry locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050). Patented Candéo® reflector design (U.S. Patent No. 7,014,341). Patent-pending LED color changing design.



Example: PDLFV 18TRT 8AR MVOLT

ORDERING INFORMATION

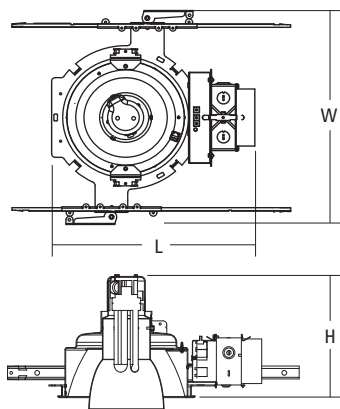
Series	Lamp type	Aperture/Trim	Finish	Voltage	Options
PDLFV	18TRT	Aperture Trim	(blank) Semi-specular	MVOLT ¹	For options and accessories, see pages 310-315.
	26TRT	8 AR Clear	LD Matte-diffuse	120	
	32TRT			277	

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
PDLFV 8	8-1/4 (21.0)	14-1/4 (36.2)	15-3/4 (40.0)	7-7/8 (20.0)	8-7/8(22.5)	9-1/4 (23.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

¹ Multi-volt electronic ballast capable of operating on any line voltage from 120V to 277V, 50 or 60Hz.

LFVRS

Digital Remote Station



Construction

Mounts to Lithonia SYRS 1GR or Steel City 52C13 one-gang plaster ring attached to a grounded 4"-square, 2-1/2"-deep outlet box or to a grounded Lithonia SQRS 1GB or Steel City GW-125-G one-gang masonry box (1-7/8" minimum inside width, 2-1/2" inside depth). Use of tile rings, shallow, narrow or ungrounded boxes can damage system.

Faceplate held to frame by magnetic strips.

Electrical

Pilot current draw: 5ma at 24VDC.

Operating voltages: 24VDC, low-voltage Class 2.

Network wiring connections: CAT5, (RJ45) Ethernet-cable approved.

System Features

Push-button switches are preset to provide nine color-change modes, nine static colors and 12 timing-cycle modes.

LED indicates load status.

Example: LFVRS BJ4

ORDERING INFORMATION

Series	Finish
LFVRS	BJ4 Brushed stainless, black frame and buttons
	BA4 Brushed aluminum, black frame and buttons
	BL4 Painted black, black frame and buttons
	WC2 Painted white, white frame and buttons
	IE3 Painted ivory, ivory frame and buttons

ADDITIONAL INFORMATION

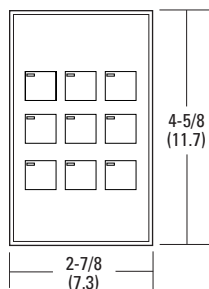
For additional product information, visit www.gothamlighting.com.

ACCESSORIES

ORDER SEPARATELY

SYRS 1GR	Plaster ring, mount to 4" box (by others).
LSA CAT5	Plenum-rated network cable. Length must be specified (25ft or 50ft). Ex: LSA CAT5 25FT.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

PDGF

Candéo®
Horizontal Lamp
Triple-Tube (TRT)



Intended Use
High-performance downlight with decorative accent features designed to add visual interest.

Construction
16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Optics
Patented three-part optical system interacts to create the effect of an aperture floating within a pool of diffused light. Self-flanged, white-painted outer cone. Field adjustable to three settings, the inner reflector is painted white on the outer surface with semi-specular or matte-diffuse inner surface. Patented optical design provides lamp before lamp image and smooth transition

from top of the reflector to bottom. Choice of colored diffuser adds visual interest. Hinged lamp door reduces stray light in the plenum.

Electrical
Horizontally mounted, positive-latch, thermoplastic socket(s). Socket housing ventilated for convective cooling. Class P, thermally protected, high-power-factor electronic ballast(s) mounted to the junction box.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050). Patented Candéo reflector design (U.S. Patent No. 7,014,341).

ORDERING INFORMATION

Example: PDGF 1/32TRT 8AR GRN MVOLT

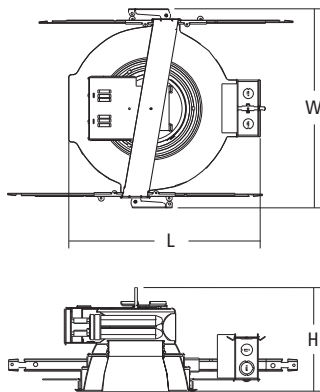
Series	Number of lamps/Lamp type		Aperture/Trim		Finish		Lens		Diffuser		Voltage	Options
PDGF	Number of lamps	Lamp type	Aperture	Trim	(blank)	Semi-specular	(blank)	No lens	WHT	Snow	MVOLT ³	For options and accessories, see pages 310-315.
		1/										
	2/	18TRT	10									
	3/1	26TRT										
		32TRT										
		42TRT										
		57TRT ²										

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
PDGF 8	8 (20.3)	15-1/4 (38.7)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
PDGF 10	9 (22.9)	18-1/2 (47.0)	17-3/8 (44.1)	9-3/4 (24.8)	10-1/2 (26.7)	11-1/8 (28.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available in 10" aperture only.
- 2 Available in 8" aperture 1-lamp, or 10" aperture 1- or 2-lamp only, Sylvania or Phillips.
- 3 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60Hz.

Intended Use

High-performance downlight with decorative accent features designed to add visual interest.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Optics

Self-flanged, matte-diffuse reflector. Patented optical design provides lamp before lamp image and smooth transition from top of the reflector to bottom. Hinged lamp door reduces stray light in the plenum.

ICE™: Clear acrylic cross baffle with surface that provides a decorative edge-glow appearance. Available in three distinctive styles: flush, round and angular.

ICE™ Color: Patented red, blue, amber or white acrylic cross baffle jacketed with aluminum provides a vibrant edge-glow appearance. Available in flush or round baffle styles.

Electrical

Horizontally mounted, positive-latch, thermoplastic socket(s). Socket housing ventilated for convective cooling. Class P, thermally protected, high-power-factor

electronic ballast(s) mounted to the junction box.

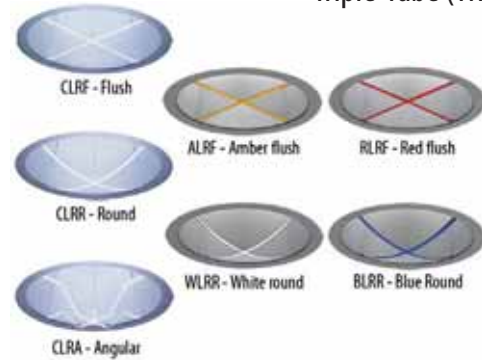
Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050). Patented ICE™ Color Cross Baffle design (U.S. Patent No. 6,273,592).

PDXF

ICE™

Horizontal Lamp Triple-Tube (TRT)



Example: PDXF 1/32TRT 8AR CLRF MVOLT

ORDERING INFORMATION

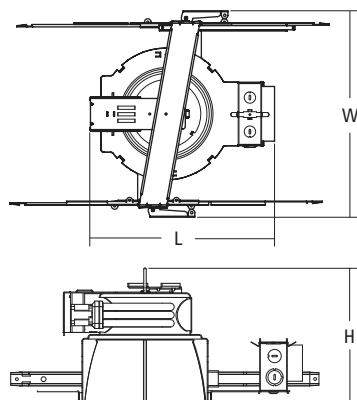
Series	Number of lamps/Lamp type		Aperture/Trim		Baffle	Voltage	Options	
PDXF	Number of lamps	Lamp type	Aperture	Trim	ICE™	MVOLT ³	For options and accessories, see pages 310-315.	
		1/			13TRT			6
	2/ ¹	18TRT	8		CLRR Clear round			ALRF Amber flush
		26TRT			CLRA Clear angular			ALRR Amber round
		32TRT			ICE™ Color			WLRF White flush
		42TRT			RLRF Red flush			WLRR White round
		57TRT ²			RLRR Red round			
			BLRF Blue flush					

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
PDXF 6	7-3/4 (19.7)	14-5/8 (37.1)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
PDXF 8	8-3/4 (22.2)	15-1/4 (38.7)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available in 8" aperture only.
- 2 Available in 8" aperture 1-lamp only, Sylvania or Philips.
- 3 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60Hz.

PDTF

ICE™ Turbo Horizontal Lamp Triple-Tube (TRT)



Intended Use

High-performance downlight with decorative accent features designed to add visual interest.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Optics

Self-flanged, matte-diffuse reflector. Patented design provides lamp before lamp image and smooth transition from top of reflector to bottom. Clear acrylic three-spoke turbo baffle has surface that provides a decorative edge-glow appearance. Hinged lamp door reduces stray light in the plenum.

Electrical

Horizontally mounted, positive-latch, thermoplastic socket(s). Socket housing ventilated for convective cooling. Class P, thermally protected, high-power-factor electronic ballast(s) mounted to the junction box.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and

labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

ORDERING INFORMATION

Example: PDTF 1/32TRT 8AR MVOLT

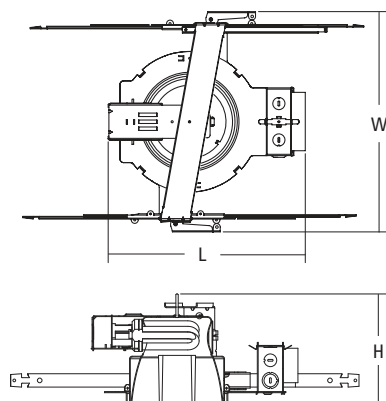
Series	Number of lamps/Lamp type		Aperture/Trim		Voltage	Options
PDTF	Number of lamps	Lamp type	Aperture	Trim	MVOLT ³ 120 277 347	For options and accessories, see pages 310-315.
	1	18TRT	6	AR Clear		
	2 ¹	26TRT	8			
		32TRT 42TRT 57TRT ²				

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
PDTF 6	7-3/4 (19.7)	14-5/8 (37.1)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
PDTF 8	8-3/4 (22.2)	15-1/4 (38.7)	15-7/8 (40.3)	7-7/8(20.1)	8-7/8 (22.5)	9-1/4 (23.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Available in 8" aperture only.
- Available in 8" aperture 1-lamp only, Sylvania or Philips.
- Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60Hz.

PDRGF

Vertical Lamp Triple-Tube (TRT)



Intended Use

Decorative downlight with semi-recessed glass shades designed to add visual interest.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box and integral brackets to retain glass shade. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Optics

Semi-recessed shade is pressed, colored glass with an acid-etched exterior finish and a matte white glazed interior décor. Available in white, amber and blue.

Minimum flange with textured polyester powder paint finish available in matte white, matte black or satin silver.

Electrical

Vertically mounted, positive-latch thermoplastic socket. Class P, thermally protected, high-power-factor electronic ballast mounted to the junction box.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Example: PDRGF 18TRT 6WG DBLB MVOLT

ORDERING INFORMATION

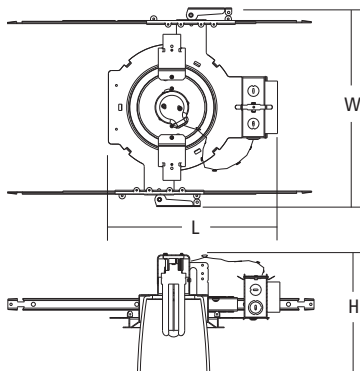
Series	Lamp type	Aperture/Shade color		Trim	Voltage	Options
PDRGF	18TRT	6	WG White glass	DWHG Matte white	MVOLT ¹	For options and accessories, see pages 310-315.
	26TRT		AG Amber glass	DBLB Matte black	120	
	32TRT		BG Blue glass	DNAS Satin silver	277	
					347	

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	LENGTH (L)	WIDTH (W)	OVERALL DIAMETER	CEILING OPENING	OVERLAP TRIM
PDRGF	9-5/16 (23.6)	13-3/8 (34.0)	15-7/8 (40.3)	5-7/8 (15.0)	7-1/8 (18.1)	7-7/8 (20.0)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

¹ Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60Hz.

PRODUCT INFORMATION

PDRGH

Vertical Lamp ED17



Intended Use

Decorative downlight with semi-recessed glass shades designed to add visual interest.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box and integral brackets to retain glass shade. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Optics

Semi-recessed shade is pressed, colored glass with an acid-etched exterior finish and a matte white glazed interior décor. Available in white, amber and blue.

Minimum flange with textured polyester powder paint finish available in matte white, matte black or satin silver.

Electrical

Die-cast aluminum housing.

Pre-wired, electronic, 120V or 277V ballast module standard.

Medium-base porcelain socket with nickel-plated screw shell.

Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

ORDERING INFORMATION

Example: PDRGH 50M 6WG DBLB 120

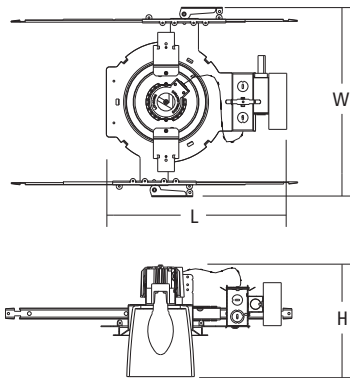
Series	Lamp type ¹	Aperture/Shade color		Trim		Voltage	Ballast		Options
PDRGH	Metal halide (ED17)	Aperture	Shade color	DWHG	Matte white	120	(blank)	Electronic ballast	For options and accessories, see pages 310-315.
	50M	6	WG White glass	DBLB	Matte black	277	EMB	Electromagnetic ballast	
	70M		AG Amber glass	DNAS	Satin silver	347 ²			
	Color-corrected metal halide (ED17)		BG Blue glass						
	50MHC								
70MHC									

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	LENGTH (L)	WIDTH (W)	OVERALL DIAMETER	CEILING OPENING	OVERLAP TRIM
PDRGH	9-3/8 (23.8)	15-1/8 (38.4)	15-7/8 (40.3)	5-7/8 (15.0)	7-1/8 (18.1)	7-7/8 (20.0)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Recommended for use with coated lamps. Open-rated lamps required.
- 2 Available only with EMB.

Intended Use

Decorative downlight with semi-recessed glass shades designed to add visual interest.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box and integral brackets to retain glass shade. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Optics

Glass shade: Semi-recessed shade is pressed, colored glass with an acid-etched exterior finish and a matte white glazed interior décor. Available in white, amber and blue.

Minimum flange with textured polyester powder paint finish available in matte white, matte black or satin silver.

Electrical

Die-cast aluminum lamp-holder housing.

Medium-base porcelain socket with nickel-plated screw shell.

Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

PDRGA

Vertical Lamp A19



Example: PDRGA 6WG DBLB

ORDERING INFORMATION

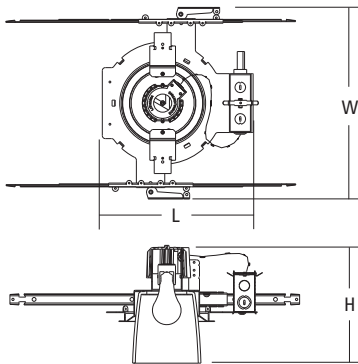
Series ¹	Aperture/Shade color		Trim	Options
PDRGA	Aperture 6	Shade color WG White glass AG Amber glass BG Blue glass	DWHG Matte white DBLB Matte black DNAS Satin silver	For options and accessories, see pages 310-315.

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE/LAMP	HEIGHT (H)	LENGTH (L)	WIDTH (W)	OVERALL DIAMETER	CEILING OPENING	OVERLAP TRIM
PDRGA	100W A19	6-1/4 (15.9)	13-5/8 (34.6)	15-7/8 (40.3)	5-7/8 (15.0)	7-1/8 (18.1)	7-7/8 (20.0)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

¹ Maximum wattage: 100W.

PRODUCT INFORMATION

ATH

Vertical Lamp

T4
T6



Intended Use
For general downlight applications that demand high efficiency and superior optical control.

Construction
Rolled steel housing with matte black finish and plaster flange. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Secondary housing adjustment system for precise ceiling-to-flange alignment. Tool-less access door to thru-wire junction

box. Trim assembly retained by two, self-aligning torsion support springs.

Optics
Self-flanged semi-specular or matte-diffuse lower reflector provides optimal efficiency and glare control. Interchangeable upper reflectors provide three preset distribution patterns with protective softening lens standard. Relamping capability from above or below ceiling without the use of tools.

Electrical
Pre-wired, electronic, 120V or 277V ballast module standard. G12 (T6), G8.5 (T4) or PGJ5 (T4T) base ceramic socket. Thermally activated insulation detector. 3000°K lamp ships standard.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

ORDERING INFORMATION

Example: ATH T6 39MHC 6AR N 120

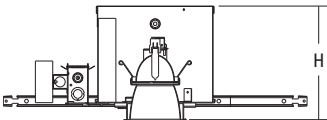
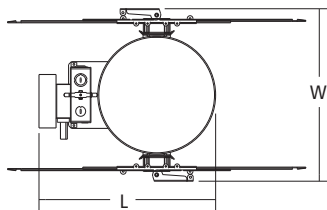
Series	Lamp type	Wattage	Aperture/Trim ⁸	Distribution	Finish	Voltage	Ballast	Options
ATH	T4T ^{1,2}	20MHC	Aperture ⁸ Trim	N Narrow	(blank) Semi-specular	120	(blank) Electronic ballast	For options and accessories, see pages 310-315.
	T4 ^{2,3}	39MHC		M Medium	LD Matte-diffuse	277	EMB Electromagnetic ballast	
	T6 ⁴	70MHC	6	W Wide		347 ⁷		
		150MHC ^{2,5}						

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	LAMP TYPE	WATTAGE	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
ATH 4	T4T	20MHC	9-13/16 (24.9)	15-9/16 (39.5)	15-3/16 (38.6)	4-3/8 (11.1)	5-1/16 (12.9)	5-7/16 (13.8)
ATH 4	T4	20, 39, 70MHC	9-13/16 (24.9)	15-9/16 (39.5)	15-3/16 (38.6)	4-3/8 (11.1)	5-1/16 (12.9)	5-7/16 (13.8)
ATH 4	T6	39, 70MHC	9-13/16 (24.9)	15-9/16 (39.5)	15-3/16 (38.6)	4-3/8 (11.1)	5-1/16 (12.9)	5-7/16 (13.8)
ATH 6	T4T	20MHC	9-13/16(24.9)	15-9/16 (39.5)	15-3/16 (38.6)	6-1/4 (15.9)	6-7/8 (17.5)	7-1/2 (19.1)
ATH 6	T4	20, 39, 70MHC	9-13/16(24.9)	15-9/16 (39.5)	15-3/16 (38.6)	6-1/4 (15.9)	6-7/8 (17.5)	7-1/2 (19.1)
ATH 6	T6	39, 70, 150MHC	9-13/16(24.9)	15-9/16 (39.5)	15-3/16 (38.6)	6-1/4 (15.9)	6-7/8 (17.5)	7-1/2 (19.1)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Philips Mini MasterColor[®] available in 20W and 120V only. Consult factory for availability on 39W.
- Available with electronic ballast only.
- Available in 20W, 39W, and 70W only.
- Available in 39W, 70W, and 150W only.
- Available in 6" aperture only.
- Not available with finishes.
- Available with 70W and 150W electromagnetic (EMB) ballast option only.
- Refer to chart for lamp type and wattage availability.

AH AHW

Vertical Lamp



Intended Use

For general downlight and wallwash applications that demand high efficiency and superior optical control.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Wallwash: integral yoke and flat spring utilized to retain optical system.

Optics

Self-flanged semi-specular or matte-diffuse reflector. Patented optical design provides lamp before lamp image and smooth transition from top of reflector to bottom.

Wallwash: Patented hybrid kicker provides uniform vertical illumination with light high on the wall, close to the ceiling and no roomside "backflash."

Electrical

Prewired, encased-and-potted, tray-mounted ballast

module. Die-cast aluminum lampholder housing Porcelain socket with nickel-plated screw shell. Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring. Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

Example: AH 100M 6AR 120

ORDERING INFORMATION

Series	Lamp type ¹	Aperture/Trim ⁸	Distribution	Finish
AH Downlight	<u>Metal halide</u>	<u>Color-corrected metal halide</u>	(blank) Standard	(blank) Semi-specular
AHW Wallwash	50M ²	50MHC ²	N Narrow ^{6,12}	LD Matte-diffuse
	70M ²	70MHC ²		
	100M ²	100MHC ²		
	175M ³	150MHC ⁷		
	250M ³	250MHC		
	320M ^{3,4,5}	320MHC		
		4 AR Clear		
		6 PR Pewter		
		8 WTR Wheat		
		10 WR White painted ^{9,10}		
		12 ⁶ MB Black baffle ^{6,9,10}		
		WB White baffle ^{6,9,10}		
		BC Black cone ^{6,9,11}		
Lens		Voltage	Ballast	Options
(blank) No lens	120	(blank) Electromagnetic ballast	For options and accessories, see pages 310-315.	
CGL Clear glass lens	277	SCWA Pulse-start ballast ¹³		
T73 Tempered prismatic lens ⁶	347	HEB Electronic ballast ^{4,14}		

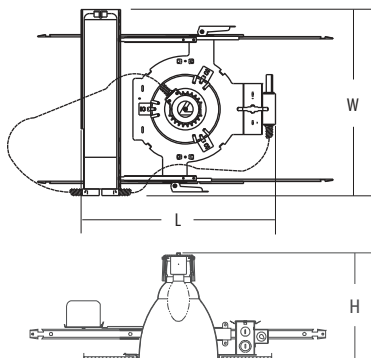
ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES/ SOCKET	MAXIMUM WATTAGE	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
AH 4 (MED)	70	9 (22.9)	20-1/4 (51.4)	17-3/4 (45.1)	4-5/16 (11.0)	5-1/8 (13.0)	5-7/16 (13.9)
AHW 4 (MED)	70	9 (22.9)	20-1/4 (51.4)	17-3/4 (45.1)	4-5/16 (11.0)	5-1/8 (13.0)	5-7/16 (13.9)
AH 6 (MED)*	100	8-1/2 (21.6)	20-1/4 (51.4)	17-3/4 (45.1)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AHW 6 (MED)	100	9-5/8 (24.4)	20-1/4 (51.4)	17-3/4 (45.1)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AH 8 (MED)*	150	9-3/16 (23.3)	20-1/4 (51.4)	17-3/4 (45.1)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
AHW 8 (MED)	150	10-3/8 (26.4)	20-1/4 (51.4)	17-3/4 (45.1)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
AH 10 (MOG)	320	15-1/4 (38.7)	23-3/4 (60.3)	20-1/8 (51.1)	9-3/4 (24.8)	10-1/2 (26.7)	11 (27.9)
AHW 10 (MOG)	320	18-3/8 (46.7)	23-3/4 (60.3)	20-1/8 (51.1)	9-3/4 (24.8)	10-1/2 (26.7)	11 (27.9)
AH 12 (MOG)	320	19-1/4 (48.9)	23-3/4 (60.3)	20-1/8 (51.1)	11-11/16 (29.7)	12-1/2 (31.8)	12-11/16 (32.2)

* For narrow distribution (N), add 1" to height.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Recommended for use with coated lamps. Consult specification sheets for additional lamp types.
- Socket provided for use with open-rated lamps. For enclosed-rated lamps, include lens from lens type field.
- Required safety glass provided.
- Not available in 347V.
- Must use BT28 lamp.
- AH Only.
- Available with HEB ballast only.
- Refer to chart for maximum wattage availability.
- Not available with finishes.
- Not available in 4" aperture.
- Not available in 10" aperture.
- Available in 6" and 8" aperture only.
- Available on 175W and above only.
- Available with MHC lamps only.

AHZ

Horizontal Lamp



Intended Use

For general downlight applications that demand high efficiency and superior optical control in shallow plenum areas.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Optics

Self-flanged semi-specular or matte-diffuse reflector with tempered prismatic lens. Patented optical design provides lamp before lamp image and smooth transition from the top of the reflector to bottom, providing optimal fixture performance and efficiency. Hinged lamp door reduces stray light in the plenum.

Electrical

Prewired, encased-and-potted, tray-mounted ballast

module. Socket housing designed for effective heat dissipation. Medium-base porcelain socket with nickel-plated screw shell. Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

ORDERING INFORMATION

Example: AHZ 100M 6AR 120

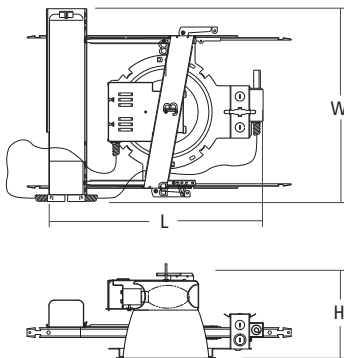
Series	Lamp type ¹	Aperture/Trim		Finish	Voltage	Ballast	Options
AHZ	<u>Metal halide</u>	Aperture	Trim	(blank) Semi-specular	120	(blank) Pulse-start ballast	For options and accessories, see pages 310-315.
	50M	6	AR Clear	LD Matte-diffuse	277	HEB Electronic ballast ³	
	70M	8	PR Pewter		347		
	100M		WTR Wheat				
	<u>Color-corrected metal halide</u>		WR White painted ²				
	50MHC		MB Black baffle ²				
	70MHC		WB White baffle ²				
	100MHC		BC Black cone ²				

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
AHZ 6	7-3/4 (19.7)	20-1/4 (51.4)	17-3/4 (45.1)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AHZ 8	8-3/4 (22.2)	20-1/4 (51.4)	17-3/4 (45.1)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Recommended for use with coated lamps. See specification sheets for additional lamp types.
- 2 Not available with finishes.
- 3 Not available in 347V.

APRH

Vertical Lamp
PAR



Intended Use

For general downlight applications that demand high efficiency and superior optical control.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Optics

Self-flanged semi-specular or matte-diffuse reflector. Patented optical design provides lamp before lamp image and smooth transition from top of reflector to bottom. Integrated snoot and optical system minimizes lamp striations normally associated with PAR lamps and creates visually pleasing scallops on vertical surfaces.

Electrical

Pre-wired, encased-and-potted, tray-mounted ballast

module. Die-cast aluminum lampholder housing. Medium-base porcelain socket with nickel-plated screw shell. Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle Design (U.S. Patent No. 5,800,050).

Example: APRH P2039MHC 4AR 120

ORDERING INFORMATION

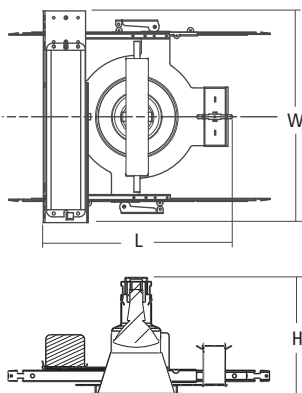
Series	Lamp type/Wattage		Aperture/Trim ¹		Finish	Voltage	Options
APRH	Lamp type	Wattage	Aperture¹	Trim	(blank) Semi-specular LD Matte-diffuse	120 277 347	For options and accessories, see pages 310-315.
	P20	Metal halide	4	AR Clear			
	P30	70M PAR38	6	BR Black ²			
	P38	100M PAR38	8	PR Pewter			
		150M PAR38		WTR Wheat			
		<u>Color-corrected metal halide</u>		MB Black baffle ^{2,3}			
		39MHC PAR20 or PAR30		WB White baffle ^{2,3}			
		70MHC PAR30 or PAR38					
		100MHC PAR38					
		150MHC PAR38					

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	LAMP TYPE	WATTAGE/LAMP	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
APRH4	P20	39MHC (PAR20)	8-13/16 (22.4)	20-1/4 (51.4)	17-3/4 (45.1)	4-5/16 (11.0)	5-1/8 (13.0)	5-7/16 (13.8)
APRH4	P30	39, 70MHC (PAR30)	8-5/8 (21.9)	20-1/4 (51.4)	17-3/4 (45.1)	4-5/16 (11.0)	5-1/8 (13.0)	5-7/16 (13.8)
APRH6	P30	39, 70MHC (PAR30)	9-9/16 (24.3)	20-1/4 (51.4)	17-3/4 (45.1)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
APRH6	P38	70, 100, 150MHC (PAR38) 70, 100, 150M (PAR38)	10-13/16 (27.5)	20-1/4 (51.4)	17-3/4 (45.1)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
APRH8	P38	70, 100, 150MHC (PAR38) 70, 100, 150M (PAR38)	11-3/16 (28.4)	20-1/4 (51.4)	17-3/4 (45.1)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Refer to chart for lamp type and wattage availability.
- 2 Not available with finishes.
- 3 Available in 4" and 6" aperture only. Refer to specification sheets for fixture height.

PRODUCT INFORMATION

LGH LGHZ

Vertical or Horizontal Lamp



Intended Use

For special purpose downlight applications that require enclosed optics.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Door assembly retained by two self-aligning, torsion springs.

Optics

White-painted upper reflector. Regressed white door (RW) or stepped black baffle (SB) available with tempered prismatic lens (T73), flat Fresnel lens (FFL) or flat opal lens (FOL).

Electrical

Prewired, encased-and-potted, tray-mounted ballast module. Rugged lampholder housing designed for effective heat dissipation. Porcelain

socket with nickel-plated screw shell. Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and wet locations. Listed and labeled to comply with Canadian Standards.

ORDERING INFORMATION

Example: LGH 100M 6RW T73 120

Series	Lamp type ¹	Aperture/Door ²	Lens	Voltage	Ballast	Options
LGH Vertical	Metal halide	Aperture ² Door 6 RW Regressed white door 8 SB Stepped black baffle 10	T73 Tempered prismatic lens	120	(blank) Electro-magnetic ballast ³	For options and accessories, see pages 310-315.
LGHZ Horizontal	Color-corrected metal halide		FFL Flat Fresnel lens	277	SCWA Pulse-start ballast ^{4,5}	
	50M 50MHC	FOL Flat opal lens	347	HEB Electronic ballast ⁶		
	70M 70MHC					
	100M 100MHC					
	150M 150MHC					
	175M					
	250M					

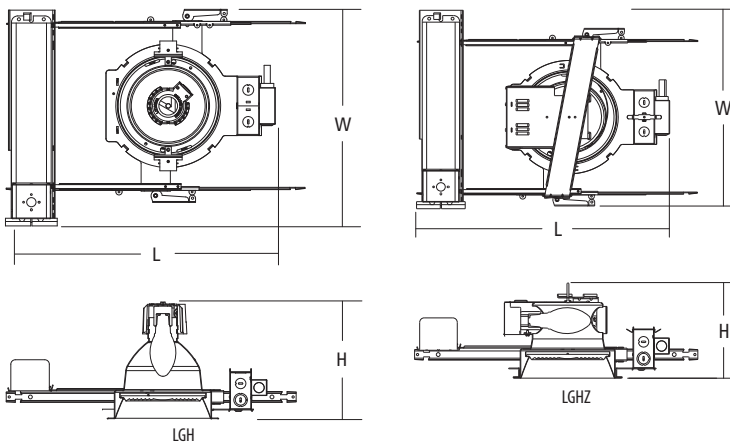
ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES/ SOCKET	MAXIMUM WATTAGE	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
LGH 6 (MED)	100	9-3/8 (23.8)	20-1/4 (51.4)	17-3/4 (45.1)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
LGH 8 (MED)	150	10 (25.4)	20-1/4 (51.4)	17-3/4 (45.1)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
LGH 10 (MOG)*	250	14-1/4 (36.2)	23-3/4 (60.3)	20-1/8 (51.1)	9-3/4 (24.8)	10-1/2 (26.7)	10-7/8 (27.6)
LGHZ 6 (MED)	100	6-3/4 (17.1)	20-1/4 (51.4)	17-3/4 (45.1)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
LGHZ 8 (MED)	100	7-7/8 (20.1)	20-1/4 (51.4)	17-3/4 (45.1)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
LGHZ 10 (MED)	100	8-5/8 (21.9)	23-3/4 (60.3)	17-3/4 (45.1)	9-3/4 (24.8)	10-1/2 (26.7)	10-7/8 (27.6)

* Medium-base socket used with 150W or lower metal halide lamps.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- See specification sheets for additional lamp types.
- Refer to chart for maximum wattage availability.
- 347V only for 175W and above.
- Available with 175W and 250W, 120V or 277V.
- Not available in 347V.
- Available in 150W and below only.

LAH

Horizontal Lamp



Intended Use

Provides uniform general illumination for institutional, office, commercial and retail applications.

Construction

16-gauge galvanized steel thru-wire junction box. Telescoping mounting bracket with integral nailer tabs. Expandable mounting bars provide horizontal and vertical adjustment.

Optics

Semi-specular anodized aluminum upper reflector. Die-cast aluminum door frame with gasketed flange. Regressed white door (RW), stepped black baffle (SB), stepped white baffle (SW) or flush white door (FW) available with tempered prismatic lens (T73), semi-flush lens (SFL), drop opal lens (DOL), flat Fresnel lens (FFL), flat Holophane lens (FHL) or drop Holophane lens (DHL). White-painted flange.

Electrical

Prewired, high-power-factor, pulse-start, core-and-coil ballast. Porcelain socket with nickel-plated screw shell. Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and wet locations. Listed and labeled to comply with Canadian Standards.

Example: LAH 100M 11RW T73 120

ORDERING INFORMATION

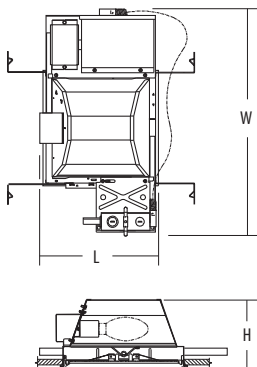
Series	Lamp type	Aperture/Door ¹	Lens	Voltage	Ballast	Options			
LAH	Metal halide	<u>Color-corrected metal halide</u>	<u>Aperture²</u>	<u>Door</u>	<u>11"</u>	120	(blank) Electromagnetic ballast ⁴	For options and accessories, see pages 310-315.	
	50M	50MHC	11 ²	RW	Regressed white door	T73	Tempered prismatic lens		208
	70M	70MHC	12 ³	FW	Flush white door	SFL	Semi-flush lens		240
	100M	100MHC		SB	Stepped black baffle	DOL	Drop opal lens		277
	150M	150MHC		SW	Stepped white baffle	12"			347
	175M	150MHC				T73	Tempered prismatic lens		
	250M					FFL	Flat Fresnel lens		
					FHL	Flat Holophane lens			
					DHL	Drop Holophane lens			

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES/SOCKET	MAXIMUM WATTAGE	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
LAH 11 (MED)	100	6 (15.2)	12 (30.5)	17-3/4 (45.1)	10-1/2 (26.7)	11-1/4 (28.6)	11-5/8 (29.5)
LAH 12 (MOG)	175	7-3/4 (19.7)	12-3/8 (32.4)	17-3/4 (45.1)	10-7/8 (27.6)	12-1/4 (31.1)	12-5/8 (32.1)
LAH 12 (MOG)	250	7-3/4 (19.7)	18 (45.7)	17-3/4 (45.1)	10-7/8 (27.6)	12-1/4 (31.1)	12-5/8 (32.1)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Refer to chart for maximum wattage availability.
- 2 Only available with RW door frame.
- 3 Not available with RW door frame.
- 4 347V only for 175W and above.
- 5 Available with 175W and 250W, 120V or 277V only.
- 6 Not available in 347V.
- 7 Available in 150W and below only.

A AW

Vertical Lamp



Intended Use

For general downlight or wallwash applications that demand superior optical control, optimal color rendering, and convenient dimming.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Wallwash: Integral yoke and spring utilized to retain optical system.

Optics

Self-flanged semi-specular, matte-diffuse or specular reflector. Patented optical design provides lamp before lamp image and smooth transition from the top of the reflector to bottom. Wallwash: Patented hybrid wallwash kicker provides uniform vertical illumination with light high on the wall, close to the ceiling and no roomside "backflash."

Electrical

Die-cast aluminum lamp-holder housing. Porcelain socket with nickel-plated screw shell. Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

Example: A 4R LD

ORDERING INFORMATION

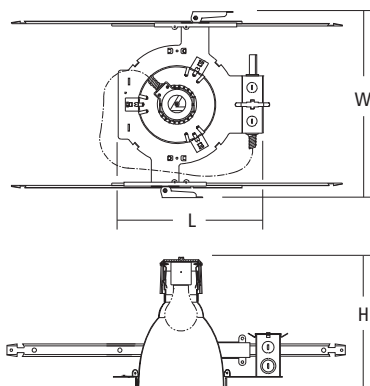
Series	Aperture/Trim ¹	Finish	Lens	Options
A Downlight	Aperture¹ Trim	(blank) Semi-specular	(blank) No lens	For options and accessories, see pages 310-315.
AW Wallwash	4 AR Clear	LD Matte-diffuse	CGL Clear glass lens	
	6 PR Pewter	LS Specular	T73 Tempered prismatic lens ⁴	
	8 WTR Wheat			
	10 GR Gold			
	12 WR White painted ²			
	BC Black cone ^{2,3,4}			
	MB Black baffle ^{2,4}			
	WB White baffle ^{2,4}			

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES/SOCKET	MAXIMUM WATTAGE/LAMP	MAXIMUM HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
A 4 (MED)	100W A17/A19	8-3/16 (20.8)	13-5/8 (34.6)	15-7/8 (40.3)	4-5/16 (11.0)	5-1/8 (13.0)	5-7/16 (13.8)
AW 4 (MED)	100W/A19	8-7/16 (21.4)	13-5/8 (34.6)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
A 6 (MED)	100W A17/A19	8-11/16 (21.1)	13-5/8 (34.6)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
A 6 (MED)	150W A21	9-11/16 (24.6)	13-5/8 (34.6)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AW 6 (MED)	100W A19	8-11/16 (21.1)	13-5/8 (34.6)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AW 6 (MED)	150W A21	9-11/16 (24.6)	13-5/8 (34.6)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
A 8 (MED)	150W A21	10-1/8 (25.7)	13-5/8 (34.6)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
A 8 (MED)	200W A23	11-1/8 (28.3)	13-5/8 (34.6)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
A 8 (MED)	300W PS25	11-3/4 (29.8)	13-5/8 (34.6)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
AW 8 (MED)	150W A21	10-3/8 (26.4)	13-5/8 (34.6)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
AW 8 (MED)	200W A23	11-3/8 (28.9)	13-5/8 (34.6)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
AW 8 (MED)	300W PS25	12 (30.5)	13-5/8 (34.6)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
A 10 (MED)	300W PS25	15-7/8 (40.3)	16-15/16 (43.0)	17-1/4 (43.8)	9-3/4 (24.8)	10-3/8 (26.4)	10-3/4 (27.3)
AW 10 (MED)	300W PS25	18-3/8 (46.7)	16-15/16 (43.0)	17-1/4 (43.8)	9-3/4 (24.8)	10-3/8 (26.4)	10-3/4 (27.3)
A 12 (MOG)	500W PS40	19-1/4 (48.9)	16-15/16 (43.0)	17-1/4 (43.8)	11-11/16 (29.7)	12-1/2 (31.8)	12-13/16 (32.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Refer to chart for maximum wattage/lamp availability.
- 2 Not available with finishes.
- 3 Not available in 10" aperture.
- 4 Not available with AW.

PRODUCT INFORMATION

Intended Use

For general downlight or wallwash applications that demand superior optical control in shallow plenum areas.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Integral yoke utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Optics

Self-flanged semi-specular, matte-diffuse or specular reflector. Patented optical design provides lamp before lamp image, smooth transition from the top of the reflector to the bottom, and optimal fixture performance and efficiency. Hinged lamp door reduces stray light in the plenum. Wallwash design includes patented hybrid kicker, providing uniform vertical illumination.

Electrical

Socket housing ventilated for convective cooling. Medium-base porcelain socket with nickel-plated screw shell. Thermally activated insulation detector.

Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

**AZ
AZW**

Horizontal Lamp



Example: AZ 6AR

ORDERING INFORMATION

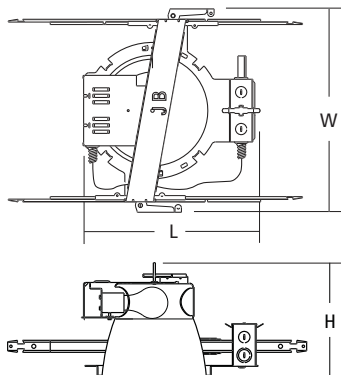
Series	Aperture/Trim ¹	Finish	Lens	Options
AZ Downlight	Aperture¹ Trim	(blank) Semi-specular	(blank) No lens	For options and accessories, see pages 310-315.
AZW Wallwash	6 AR Clear	LD Matte-diffuse	CGL Clear glass lens	
	8 PR Pewter	LS Specular	T73 Tempered prismatic lens ³	
	WTR Wheat			
	CR Champagne gold			
	WR White painted ²			
	BC Black cone ^{2,3}			
	MB Black baffle ^{2,3}			
	WB White baffle ^{2,3}			

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE/LAMP	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
AZ/AZW 6	100W A17/A19	7-3/4 (19.7)	13-7/8 (35.2)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
AZ/AZW 8	150W A21	8-3/4 (22.2)	13-7/8 (35.2)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Refer to chart for maximum wattage availability.
- 2 Not available with finishes.
- 3 Not available with AZW fixture.

PRODUCT INFORMATION

APR

Vertical Lamp PAR



Intended Use

For general downlight applications that demand superior optical control, optimal color rendering and convenient dimming.

Construction

16-gauge galvanized steel mounting frame with thru-wire junction box. Integral yoke and flat spring utilized to retain optical system. Expandable, self-locking mounting bars provide horizontal and vertical adjustment.

Optics

Self-flanged semi-specular, matte-diffuse or specular reflector. Patented optical design provides lamp before lamp image and smooth transition from top of reflector to bottom. Integrated snoot and optical system minimizes lamp striations normally associated with PAR lamps and creates visually pleasing scallops on vertical surfaces.

Electrical

Die-cast aluminum lamp-holder housing. Medium-base porcelain socket with nickel-plated screw shell. Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

ORDERING INFORMATION

Example: APR PAR20 4AR

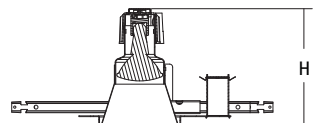
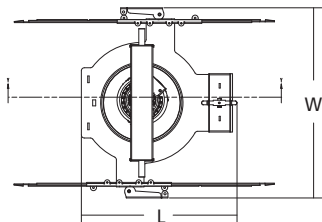
Series	Lamp type	Aperture/Trim ¹	Finish	Options
APR	PAR20 (50W max.)	Aperture¹	(blank) Semi-specular	For options and accessories, see pages 310-315.
	PAR30 (75W max.)	4 AR Clear	LD Matte-diffuse	
	PAR38 (250W max.)	6 BR Black ²	LS Specular	
		8 PR Pewter		
		WTR Wheat		
		CR Champagne gold		
		MB Black baffle ^{2,3}		
		WB White baffle ^{2,3}		

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE/LAMP	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
APR 4	50W PAR20	8-13/16 (22.4)	13-5/8 (34.3)	15-7/8 (40.3)	4-5/16 (10.9)	5-1/8 (13.0)	5-7/16 (13.8)
APR 4	75W PAR30	8-5/8 (21.9)	13-5/8 (34.3)	15-7/8 (40.3)	4-5/16 (10.9)	5-1/8 (13.0)	5-7/16 (13.8)
APR 6	75W PAR30	9-9/16 (24.3)	13-5/8 (34.3)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
APR 6	250W PAR38	10-13/16 (27.5)	13-5/8 (34.3)	15-7/8 (40.3)	6-1/4 (15.9)	7-1/8 (18.1)	7-1/2 (19.1)
APR 8	250W PAR38	11-1/4 (28.6)	13-5/8 (34.3)	15-7/8 (40.3)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Refer to chart for maximum wattage/lamp availability.
- 2 Not available with finishes.
- 3 Available in 4" and 6" aperture only. Refer to specification sheets for fixture height.

Intended Use

A small-aperture quartz downlight suitable for applications with high ceilings (GQ) or sloped ceilings (GQT), such as churches and large auditoriums requiring superior optical control, optimal color rendering and convenient dimming.

Construction

16-gauge painted steel mounting/plaster frame with thru-wire junction box will accommodate up to 1-1/2" thick ceiling. Expandable, self-locking mounting bars

provide horizontal and vertical adjustment. Secondary housing adjustment system for precise ceiling-to-flange alignment.

GQT: Center beam optical system centers the lamp relative to the aperture, optimizing luminaire efficiency.

Tool-less, lockable 0° to 30° vertical adjustment mechanism maintains lamp position and is visible from below the ceiling with the finishing trim removed. Full 360° horizontal adjustment.

Optics

Semi-specular upper reflector and self-flanged semi-specular, matte-diffuse or specular finishing trim provide optimal glare control. Three preset distribution patterns available with protective lamp guard standard. Relamping capability from above or below ceiling without the use of tools.

Electrical

Heavy-duty mini-can socket for T-4 lamp is integrated into the die-cast aluminum housing with 3 square feet

of surface area to dissipate heat and improve lamp life. Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Suitable for installation on non-fire-resistant material.

**GQ
GQT**

Quartz Halogen T4



Example: GQ 250 M 6AR

ORDERING INFORMATION

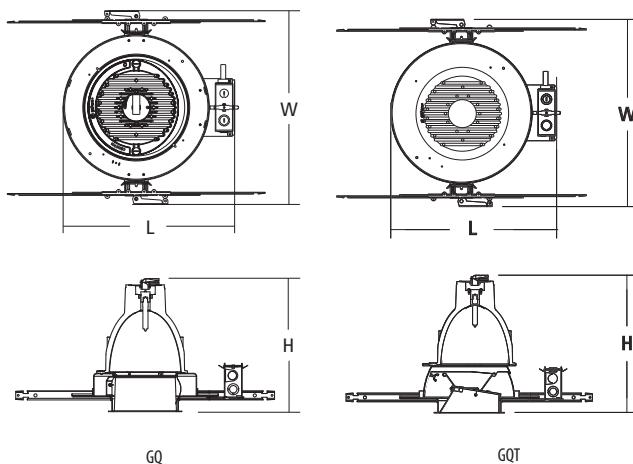
Series	Lamp type ¹	Distribution	Aperture/Trim	Finish	Options
GQ Ellipsoidal reflector	150	N Narrow	Aperture Trim	(blank) Semi-specular	For options and accessories, see pages 310-315.
GQT Ellipsoidal tilt reflector	250	M Medium	6 AR Clear	LD Matte-diffuse	
	400	W Wide	BR Black ²	LS Specular	
	500		PR Pewter		
			WTR Wheat		
			CR Champagne gold		
			MB Black baffle ^{2,3}		
			WB White baffle ^{2,3}		

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
GQ	13-7/16 (34.1)	17-7/16 (44.3)	19-11/16 (50.0)	6-1/4 (15.9)	6-7/8 (17.5)	7-1/2 (19.1)
GQT	14-5/8 (37.1)	17-7/16 (44.3)	19-11/16 (50.0)	6-1/4 (15.9)	6-7/8 (17.5)	7-5/8 (19.4)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Recommended for use with frosted lamp by Sylvania, GE, Philips, or Ushio.
- 2 Not available with finishes.
- 3 Available with GQ only.

HEQ

Hospital Exam Light Quartz Halogen T4



Intended Use

For use above a hospital bed in exam, intensive care or emergency room applications.

Construction

Extruded aluminum lamp-holder housing designed for effective heat dissipation and positive light center positioning. 16-gauge painted steel mounting/plaster frame accommodates up to 1"-thick ceiling materials. 16-gauge galvanized steel mounting bars with continuous 4" vertical adjustment are shipped pre-installed. Post-installation adjustment possible without

the use of tools from above or below the ceiling. Secondary housing adjustment system for precise, final flange-to-ceiling alignment.

Optics

Reflector: Clear anodized upper reflector and matte-white 6x9-inch self-flanged finishing trim provides optimal efficiency and glare control while maintaining a smooth beam pattern that is free of hot spots and striations. Asymmetric distribution provides increased intensity towards the head of a typical hospital bed. Protective lamp

guard provides safe luminaire operation. Trim assembly retained by self-aligning torsion support springs.

Electrical

Heavy-duty mini-can socket. Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

ORDERING INFORMATION

Example: HEQ 250 6X9WR

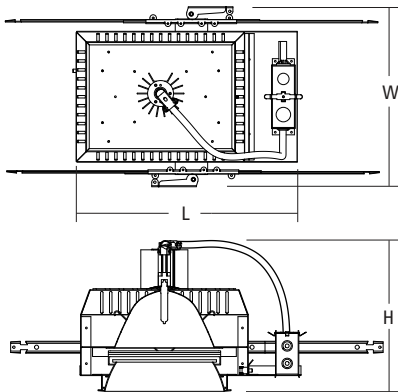
Series	Lamp type ¹	Aperture/Trim		Options
HEQ	250 400 500	Aperture 6X9	Trim WR White painted	For options and accessories, see pages 310-315.

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE/LAMP	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
HEQ	500W T4	11-5/8(29.5)	17-1/16(43.3)	13-7/8(35.3)	6-1/8(15.6) x 9-1/8(23.1)	7(17.8) x 9-3/4(24.8)	7-1/4(18.4) x 10-1/4(26)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

¹ Recommended for use with frosted lamp by Sylvania, EE, Philips Ushio.

**LG
LGZ**

Vertical or Horizontal Lamp



Intended Use

For special purpose downlight applications that require enclosed optics.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Door assembly retained by two self-aligning, torsion support springs.

Optics

White-painted upper reflector. Regressed white door (RW) or stepped black baffle (SB) available with tempered prismatic lens (T73), flat Fresnel lens (FFL) or flat opal lens (FOL).

Electrical

Rugged lampholder housing designed for effective heat dissipation. Medium-base porcelain socket with nickel-plated screw shell. Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and wet locations. Listed and labeled to comply with Canadian Standards.

Example: LG 6RW T73

ORDERING INFORMATION

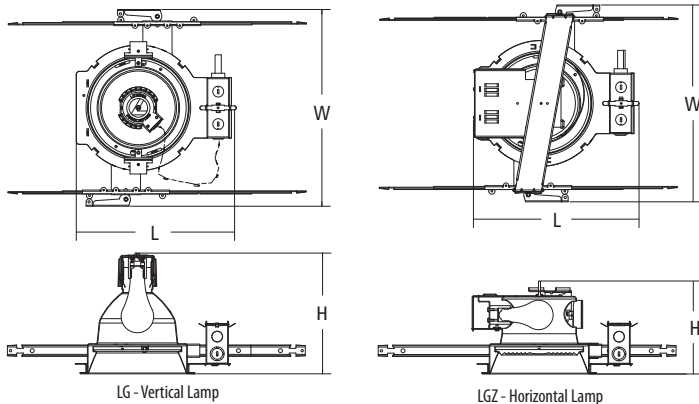
Series	Aperture/Door ¹	Lens	Options
LG Vertical	Aperture¹ Door	T73 Tempered prismatic lens	For options and accessories, see pages 310-315.
LGZ Horizontal	6 RW Regressed white door	FFL Flat Fresnel lens	
	8 SB Stepped black baffle	FOL Flat opal lens	
	10		

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE/LAMP	HEIGHT(H)	LENGTH(L)	WIDTH(W)	APERTURE	CEILING OPENING	OVERLAP TRIM
LG6	150W A21	9-5/8(24.4)	13-5/8(34.6)	15-7/8(40.3)	6-1/4(15.9)	7-1/8(18.1)	7-1/2(19.1)
LG8	200W A23	10-1/4(26.0)	13-5/8(34.6)	15-7/8(40.3)	7-7/8(20.1)	8-7/8(22.5)	9-1/4(23.5)
LG10	300W PS25	14-1/4(36.2)	16-15/16(43.0)	17-3/8(44.1)	9-3/4(24.8)	10-1/2(26.7)	10-7/8(27.6)
LGZ6	100W A17/A19	6-3/4(17.1)	13-5/8(34.6)	15-7/8(40.3)	6-1/4(15.9)	7-1/8(18.1)	7-1/2(19.1)
LGZ8	150W A21	7-7/8(20.1)	13-5/8(34.6)	15-7/8(40.3)	7-7/8(20.1)	8-7/8(22.5)	9-1/4(23.5)
LGZ10	200W A23	8-5/8(21.9)	16-15/16(43.0)	17-3/8(44.1)	9-3/4(24.8)	10-1/2(26.7)	10-7/8(27.6)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

¹ Refer to chart for maximum wattage availability.

PRODUCT INFORMATION

LA

Horizontal Lamp



Intended Use
Provides uniform general illumination for institutional, office, commercial and retail applications.

Construction
16-gauge galvanized steel thru-wire junction box.

Telescoping mounting bracket with integral nailer tabs. Expandable mounting bars provide horizontal and vertical adjustment.

Optics
Semi-specular anodized aluminum upper reflector. Die-cast aluminum door frame with gasketed flange. Regressed white door (RW), stepped black baffle (SB), stepped white baffle (SW) or flush white door (FW) are available with tempered prismatic lens (T73), semi-flush lens (SFL), drop opal lens (DOL), flat Fresnel lens (FFL), flat Holophane lens (FHL) or drop Holophane lens (DHL). White-painted flange.

Electrical
Medium-base porcelain socket with nickel-plated screw shell. Thermally activated insulation detector.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and wet locations. Listed and labeled to comply with Canadian Standards.

ORDERING INFORMATION

Example: LA 11RW T73

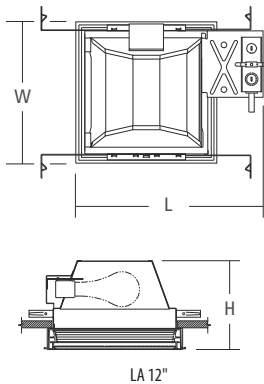
Series	Aperture/Door ¹	Lens	Options	
LA	Aperture¹ 11 ²	RW	Regressed white door	
		SB	Stepped black baffle	
	12 ³	SW	Stepped white baffle	
		FW	Flush white door	
		11"	T73	Tempered prismatic lens
			DOL	Drop opal lens
		SFL	Semi-flush lens	
	12"	T73	Tempered prismatic lens	
		FFL	Flat Fresnel lens	
		FHL	Flat Holophane lens	
		DHL	Drop Holophane lens	
			For options and accessories, see pages 310-315.	

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE/LAMP	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
LA 11	200W A23	6 (15.2)	16-11/16 (42.4)	12-1/16 (30.6)	10-5/8 (27.0)	11-1/4 (28.6)	11-5/8 (29.5)
LA 12	200W A23	7-3/4 (19.7)	17-3/16 (43.7)	12-5/8 (32.1)	10-7/8 (27.6)	12-1/4 (31.3)	12-5/8 (32.1)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Refer to chart for maximum wattage availability.
- 2 Only available with RW door.
- 3 Not available with RW door.

Intended Use

For general wallwash applications that demand high efficiency, uniform vertical illumination and low aperture brightness.

Construction

16-gauge galvanized steel mounting/plaster frame with thru-wire junction box will accommodate up to 1-1/2" thick ceiling. Formed housing with matte black finish. Expandable, self-locking mounting bars provide horizontal and vertical ad-

justment. Secondary housing adjustment system for precise ceiling-to-flange alignment.

Optics

Self-flanged semi-specular or matte-diffuse compound contour finishing trim in combination with keyed, proprietary Gotham® spread lens delivers a uniform distribution of light to the wall. Enclosed lamp compartment reduces stray light in the plenum.

Electrical

Horizontally mounted, positive-latch, thermoplastic socket(s). Class P, thermally protected, high-power-factor electronic ballast mounted to the junction box.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

DLWF

Double Twin-Tube (DTT)
Triple-Tube (TRT)



Example: DLWF 1/32TRT 6AR MVOLT

ORDERING INFORMATION

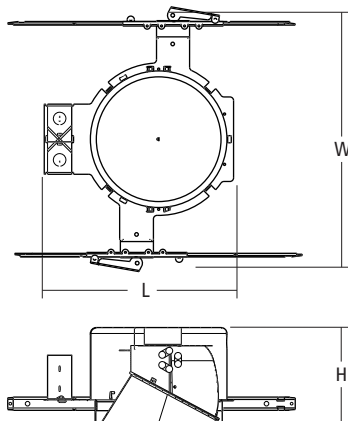
Series	Number of lamps/Lamp type		Aperture/Trim			Finish	Voltage	Options
DLWF	Number of lamps		Aperture			(blank)	MVOLT ⁴	For options and accessories, see pages 310-315.
	Lamp type		Trim					
	1/	26DTT ²	6	AR	Clear	LD	Matte-diffuse	
	2/ ¹	13TRT	8	PR	Pewter			
		18TRT		WTR	Wheat			
		26TRT		BR	Black ³			
	32TRT		WR	White painted ³				
	42TRT							

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
DLWF 6	6-5/8 (16.9)	14-5/8 (37.1)	18-7/16 (46.8)	6-1/4 (15.9)	7-1/8 (18.1)	7-5/8 (19.5)
DLWF 8	6-5/8 (16.9)	14-5/8 (37.1)	18-7/16 (46.8)	7-7/8 (20.1)	8-7/8 (22.5)	9-3/8 (23.8)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available in 26DTT lamp only, 8" aperture only.
- 2 1/26DTT ships as a TRT fixture.
- 3 Not available with finishes.
- 4 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60Hz.

PRODUCT INFORMATION

DPH

Adjustable Lamp

PAR



Intended Use
Suitable for special purpose downlight applications in offices, reception areas, restaurants, showrooms, museums and retail areas where efficient and precise, aimable accent lighting is desired.

Construction
Rolled steel housing with matte black finish and plaster flange. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Secondary housing

adjustment system for precise ceiling-to-flange alignment. Tool-less access door to thru-wire junction box.

Tool-less 0° - 40° vertical and 355° horizontal lamp adjustment is made with the trim assembly lowered below ceiling. Adjustment mechanism locks to maintain lamp position during relamping. Trim assembly retained by two self-aligning torsion support springs.

Optics
Self-flanged semi specular or matte-diffuse cone designed to minimize backflash. Contour cut minimizes visibility of inner housing. Center Beam optical system centers lamp relative to the aperture, optimizing lamp efficiency. Relamping capability from above or below ceiling.

Electrical
Prewired, encased-and-potted, tray-mounted ballast module. Medium-base

porcelain socket with nickel-plated screw shell. Thermally activated insulation detector.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

ORDERING INFORMATION

Example: DPH P38100M 8ACT30 120

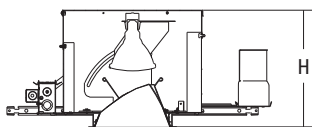
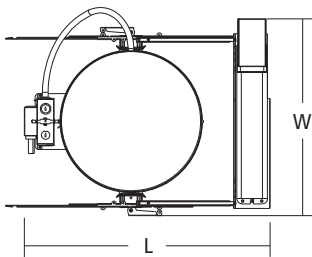
Series	Lamp type/Wattage		Aperture/Trim/Type ¹				Finish	Voltage	Ballast	Options	
DPH	Lamp type	Wattage	Aperture¹	Trim	Type		(blank) Semi-specular	120	(blank) Electromagnetic ballast	For options and accessories, see pages 310-315.	
	P20	Metal halide	4	AC	Clear	T00	Cut for angles 0° - 15°	LD	Matte-diffuse		277
	P30	70M PAR38	6	PC	Pewter	T20	Cut for angles 15° - 25°				347
	P38	100M PAR38	8	UBC	Umber	T30	Cut for angles 25° - 40°				
		150M PAR38		WTC	Wheat						
		Color-corrected metal halide		WC	White painted ²						
		39MHC PAR20 or PAR30		BC	Black ²						
		70MHC PAR30 or PAR38		MB	Black baffle ²						
		100MHC PAR38		WB	White baffle ²						
		150MHC PAR38									

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	LAMP TYPE	WATTAGE/LAMP	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
DPH 4	P20	39MHC (PAR20)	9-1/2 (24.1)	18-3/4 (47.6)	18-1/4 (46.4)	4-3/8 (11.1)	5-1/8 (13.0)	5-7/16 (13.8)
DPH 6	P38	70, 100, 150M (PAR 38)	12-1/8 (30.8)	25-5/8 (65.1)	19-3/4 (50.2)	6-1/4 (15.9)	6-7/8 (17.5)	7-1/2 (19.1)
DPH 6	P38	70, 100, 150MHC (PAR 38)	12-1/8 (30.8)	25-5/8 (65.1)	19-3/4 (50.2)	6-1/4 (15.9)	6-7/8 (17.5)	7-1/2 (19.1)
DPH 6	P30	39, 70 MHC (PAR 30)	12-1/8 (30.8)	25-5/8 (65.1)	19-3/4 (50.2)	6-1/4 (15.9)	6-7/8 (17.5)	7-1/2 (19.1)
DPH 8	P38	70, 100, 150M (PAR 38)	12-1/8 (30.8)	25-5/8 (65.1)	19-3/4 (50.2)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
DPH 8	P38	70, 100, 150MHC (PAR 38)	12-1/8 (30.8)	25-5/8 (65.1)	19-3/4 (50.2)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
DPH 8	P30	39, 70 MHC (PAR 30)	12-1/8 (30.8)	25-5/8 (65.1)	19-3/4 (50.2)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Refer to chart for lamp type and wattage availability.
- 2 Not available with LD finish.
- 3 Available in 120V or 277V.

DLWH

PAR
ED17



Intended Use

For general wallwash applications that demand high efficiency, uniform vertical illumination and low aperture brightness.

Construction

Rolled steel housing with matte black finish and plaster flange will accommodate up to 1-1/2"-thick ceiling. Tool-less access door provides access to thru-wire junction box. Expandable, self-locking mounting bars provide horizontal and vertical

adjustment. Secondary housing adjustment system for precise ceiling-to-flange adjustment.

Optics

Self-flanged semi-specular or matte-diffuse compound contour finishing trim in combination with keyed, proprietary Gotham® spread lens delivers a uniform distribution of light to the wall. Enclosed lamp compartment reduces stray light in the plenum.

Electrical

Pre-wired, encased-and-potted, tray-mounted ballast module. Medium-base porcelain socket with nickel-plated screw shell. Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Example: DLWH P3870M 6AR 120

ORDERING INFORMATION

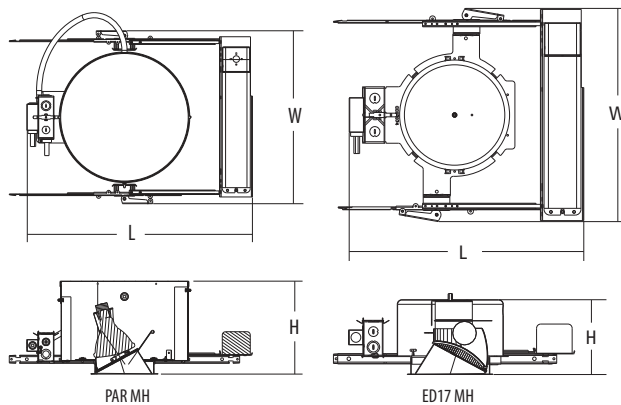
Series	Lamp type			Aperture/Trim		Finish	Voltage	Ballast	Options
DLWH	<u>Metal halide (PAR lamp)</u>	<u>Color-corrected metal halide (PAR lamp)</u>	<u>Color-corrected metal halide (ED17)</u>	Aperture	Trim	(blank)	Semi-specular	120	For options and accessories, see pages 310-315.
	P3870M 70W PAR38	P3039MHC 39W PAR30	50MHC	6	AR Clear	LD	Matte-diffuse	277	
	P38100M 100W PAR38	P3070MHC 70W PAR30	70MHC	8	PR Pewter			347	
	P38150M 150W PAR38	P3870MHC 70W PAR38	100MHC		WTR Wheat				
	<u>Metal halide (ED17)</u>	P3870MHC 70W PAR38			BR Black ¹				
	50M	P38100MHC 100W PAR38			WR White painted ¹				
	70M	P38150MHC 150W PAR38							
	100M								

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
DLWH 6 PAR	10-1/2 (26.7)	25-5/8 (65.1)	19-3/4 (50.2)	6-1/4 (15.9)	6-7/8 (17.5)	7-5/8 (19.4)
DLWH 8 PAR	10-1/2 (26.7)	25-5/8 (65.1)	19-3/4 (50.2)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
DLWH 6 ED17	6-5/8 (16.9)	20-1/4(51.5)	18-7/16 (46.8)	6-1/4 (15.9)	7-1/8 (18.1)	7-5/8 (19.4)
DLWH 8 ED17	6-5/8 (16.9)	20-1/4(51.5)	18-7/16 (46.8)	8 (20.3)	8-7/8 (22.5)	9-3/8 (23.8)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Not available with finishes.
- 2 Available in 120V or 277V only.

PRODUCT INFORMATION

DLWTH

Adjustable Lamp

T4
T6



Intended Use
For general wallwash applications that demand high efficiency, uniform vertical illumination and low aperture brightness.

Construction
Rolled steel housing with matte black finish and plaster flange. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Secondary housing adjustment system for precise ceiling-to-flange alignment. Tool-less access

door to thru-wire junction box. Optical assembly rotates 355°. Trim assembly retained by two, self-aligning torsion support springs.

Optics
Self-flanged semi-specular or matte-diffuse compound contour finishing trim in combination with keyed, proprietary Gotham® spread lens delivers a uniform distribution of light to the wall. Relamping capability from above or below ceiling without the use of tools.

Electrical
Pre-wired, electronic, 120V or 277V ballast module standard. G12 (T6), G8.5 (T4) or PGJ5 (T4T) base ceramic socket. Thermally activated insulation detector. 3000°K lamp ships standard.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

ORDERING INFORMATION

Example: DLWTH T6 39MHC 6AR 120

Series	Lamp type	Wattage	Aperture/Trim ⁸		Finish	Voltage	Ballast	Options
DLWTH	T4T ^{1,2}	20MHC	Aperture ⁸	Trim	(blank) Semi-specular	120	(blank) Electronic ballast	For options and accessories, see pages 310-315.
	T4 ^{2,3}	39MHC			4	AR Clear	LD Matte-diffuse	
	T6 ⁴	70MHC	6	BR Black ⁶		347 ⁷		
		150MHC ⁵		PR Pewter				

ADDITIONAL INFORMATION

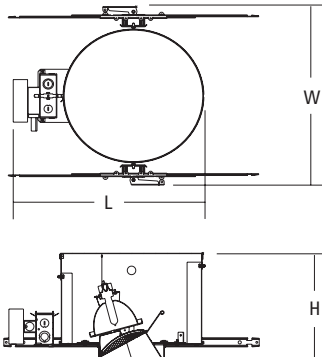
For additional product information, visit www.gothamlighting.com.

SERIES	LAMP TYPE	WATTAGE	HEIGHT (H)	LENGTH(L)	WIDTH(W)	APERTURE	CEILING OPENING	OVERLAP TRIM
DLWTH 4	T4T	20 MHC	9-13/16 (24.9)	15-9/16 (39.5)	15-3/16 (38.6)	4-3/8 (11.1)	5-1/16 (12.9)	5-7/16 (13.8)
DLWTH 4	T4	20,39,70MHC	9-13/16 (24.9)	15-9/16 (39.5)	15-3/16 (38.6)	4-3/8 (11.1)	5-1/16 (12.9)	5-7/16 (13.8)
DLWTH 4	T6	39,70MHC	9-13/16 (24.9)	15-9/16 (39.5)	15-3/16 (38.6)	4-3/8 (11.1)	5-1/16 (12.9)	5-7/16 (13.8)
DLWTH 6	T4T	20MHC	10-13/16 (27.5)	20-3/16 (51.3)	19-11/16 (50.0)	6-1/4 (15.9)	6-7/8 (17.5)	7-1/2 (19.1)
DLWTH 6	T4	20,39,70MHC	10-13/16 (27.5)	20-3/16 (51.3)	19-11/16 (50.0)	6-1/4 (15.9)	6-7/8 (17.5)	7-1/2 (19.1)
DLWTH 6	T6	39,70,150MHC	10-13/16 (27.5)	20-3/16 (51.3)	19-11/16 (50.0)	6-1/4 (15.9)	6-7/8 (17.5)	7-1/2 (19.1)

EMB DIMENSIONS

Length	25-5/8 (65.1)
Width	19-3/4 (50.2)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Philips Mini MasterColor® available in 20W and 120V only. Consult factory for availability on 39W.
- Available with electronic ballast only.
- Available in 20W, 39W and 70W only.
- Available in 39W, 70W and 150W only.
- Available in 6" aperture only.
- Not available with finishes.
- Available with 70W & 150W electromagnetic (EMB) ballast option only.
- Refer to chart for lamp type and wattage availability.

Intended Use

Suitable for special purpose downlight applications in offices, reception areas, restaurants, showrooms, museums, and retail areas where efficient and precise, aimable accent lighting is desired.

Construction

Rolled steel housing with matte black finish and plaster flange. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Secondary housing adjustment system

for precise ceiling-to-flange alignment. Tool-less access door to thru-wire junction box. Tool-less 0°-40° vertical and 355° horizontal lamp adjustment is made with the trim assembly lowered below the ceiling. Adjustment mechanism locks to maintain lamp position during relamping. Trim assembly retained by two self-aligning torsion support springs.

Optics

Self-flanged semi-specular or matte-diffuse anodized cone

designed to minimize back-flash. Contour cut minimizes visibility of inner housing. Center Beam optical system centers lamp relative to the aperture, optimizing lamp efficiency. Interchangeable upper reflectors provide three preset distribution patterns with protective softening lens standard. Relamping capability from above or below ceiling without the use of tools.

Electrical

Pre-wired, electronic, 120V

or 277V ballast module standard. G12 (T6), G8.5 (T4) or PGJ5 (T4T) base ceramic socket. Thermally activated insulation detector. 3000°K lamp ships standard.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

DTH

Adjustable Lamp

T4
T6



Example: DTH T6 39MHC 6ACT30 N 120

ORDERING INFORMATION

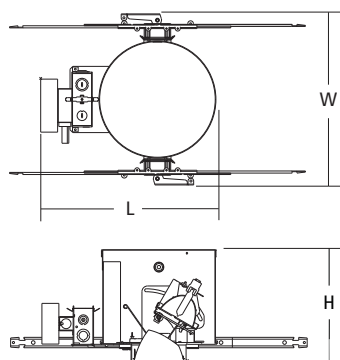
Series	Lamp type	Wattage	Aperture/Trim/Type ^a				Distribution	Finish	Voltage	Ballast	Options
DTH	T4T ^{1,2}	20MHC	Aperture⁸	Trim	Type	N	(blank)	120	(blank)	For options and accessories, see pages 310-315.	
	T4 ^{2,3}	39MHC				M	LD	277	Electronic ballast		
	T6 ⁴	70MHC	6	BC	Black ⁶	T20	Matte-diffuse	347 ⁷	Electromagnetic ballast		
		150MHC ⁵		PC	Pewter	T30					
				WTC	Wheat						

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	LAMP TYPE	WATTAGE	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
DTH 4	T4T	20MHC	9-13/16 (24.9)	15-9/16 (39.5)	15-3/16 (38.6)	4-3/8(11.1)	5-1/16 (12.9)	5-7/16 (13.8)
DTH 4	T4	20, 39, 70MHC	9-13/16 (24.9)	15-9/16 (39.5)	15-3/16 (38.6)	4-3/8(11.1)	5-1/16 (12.9)	5-7/16 (13.8)
DTH 4	T6	39, 70MHC	9-13/16 (24.9)	15-9/16 (39.5)	15-3/16 (38.6)	4-3/8(11.1)	5-1/16 (12.9)	5-7/16 (13.8)
DTH 6	T4T	20MHC	10-13/16 (27.5)	20-3/16 (51.3)	19-11/16 (50.0)	6-1/4 (15.9)	6-7/8 (17.5)	7-1/2 (19.1)
DTH 6	T4	20, 39, 70MHC	10-13/16 (27.5)	20-3/16 (51.3)	19-11/16 (50.0)	6-1/4 (15.9)	6-7/8 (17.5)	7-1/2 (19.1)
DTH 6	T6	39, 70, 150MHC	10-13/16 (27.5)	20-3/16 (51.3)	19-11/16 (50.0)	6-1/4 (15.9)	6-7/8 (17.5)	7-1/2 (19.1)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Philips Mini MasterColor® available in 20W and 120V only. Consult factory for availability on 39W.
- Available with electronic ballast only.
- Available in 20W, 39W, and 70W only.
- Available in 39W, 70W, and 150W only.
- Available in 6" aperture only. Not available with EMB ballast.
- Not available with finishes.
- Available with 70W and 150W electromagnetic (EMB) ballast option only.
- Refer to chart for lamp type and wattage availability.

PRODUCT INFORMATION

DP

Adjustable Lamp

PAR



Intended Use
Suitable for special purpose downlight applications in offices, reception areas, restaurants, showrooms, museums, and retail areas where efficient and precise, aimable accent lighting is desired.

Construction
Rolled steel housing with matte black finish and plaster flange. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Secondary housing adjustment system

for precise ceiling-to-flange alignment. Tool-less access door to thru-wire junction box. Tool-less 0°-40° vertical and 355° horizontal lamp adjustment is made with trim assembly lowered below ceiling. Adjustment mechanism locks to maintain lamp position during relamping. Trim assembly retained by two, self-aligning torsion support springs.

Optics
Self-flanged semi-specular, matte-diffuse or specular

cone designed to minimize backflash. Contour cut minimizes visibility of inner housing. Center Beam optical system centers lamp relative to the aperture, optimizing lamp efficiency. Relamping capability from above or below ceiling.

Electrical
Medium-base porcelain socket with nickel-plated screw shell. Thermally activated insulation detector.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

ORDERING INFORMATION

Example: DP PAR16-30S 6ACT30

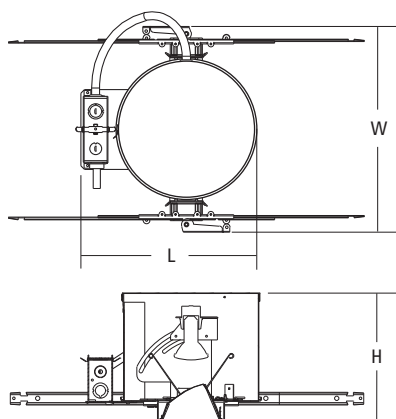
Series	Lamp type	Aperture/Trim/Type ¹	Finish	Options																											
DP	PAR16-30S PAR16, PAR20 or PAR30S (short-neck) (75W max.)	<table border="1"> <thead> <tr> <th>Aperture¹</th> <th>Trim</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>AC Clear</td> <td>T00 Cut for angles 0°-15°</td> </tr> <tr> <td>6</td> <td>PC Pewter</td> <td>T20 Cut for angles 15°-25°</td> </tr> <tr> <td>8</td> <td>WTC Wheat</td> <td>T30 Cut for angles 25°-40°</td> </tr> <tr> <td></td> <td>CC Champagne gold</td> <td></td> </tr> <tr> <td></td> <td>BC Black²</td> <td></td> </tr> <tr> <td></td> <td>WC White painted²</td> <td></td> </tr> <tr> <td></td> <td>MB Black baffle²</td> <td></td> </tr> <tr> <td></td> <td>WB White baffle²</td> <td></td> </tr> </tbody> </table>	Aperture ¹	Trim	Type	4	AC Clear	T00 Cut for angles 0°-15°	6	PC Pewter	T20 Cut for angles 15°-25°	8	WTC Wheat	T30 Cut for angles 25°-40°		CC Champagne gold			BC Black ²			WC White painted ²			MB Black baffle ²			WB White baffle ²		(blank) Semi-specular	For options and accessories, see pages 310-315.
	Aperture ¹		Trim	Type																											
	4		AC Clear	T00 Cut for angles 0°-15°																											
	6		PC Pewter	T20 Cut for angles 15°-25°																											
	8		WTC Wheat	T30 Cut for angles 25°-40°																											
	CC Champagne gold																														
	BC Black ²																														
	WC White painted ²																														
	MB Black baffle ²																														
	WB White baffle ²																														
PAR30L-38 PAR30L (longneck) or PAR38 (250W max.)	LD Matte-diffuse																														
PAR46 PAR46 (200W max.)	LS Specular																														
PAR56 PAR56 (300W max.)																															

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	LAMP TYPE	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
DP 4	PAR 16-30S	9-1/2 (24.1)	13 (33.0)	15-1/8 (38.4)	4-3/8 (11.1)	5-1/16 (12.9)	5-7/16 (13.8)
DP 6	PAR 16-30S	10-1/2 (26.7)	17-3/8 (44.1)	19-3/4 (50.2)	6-1/4 (15.9)	6-7/8 (17.5)	7-1/2 (19.1)
DP 6	PAR30L-38	12-1/8 (30.8)	17-3/8 (44.1)	19-3/4 (50.2)	6-1/4 (15.9)	6-7/8 (17.5)	7-1/2 (19.1)
DP 8	PAR16-30S	10-1/2 (26.7)	17-3/8 (44.1)	19-3/4 (50.2)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
DP 8	PAR30L-38	12-1/8 (30.8)	17-3/8 (44.1)	19-3/4 (50.2)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
DP 8	PAR46	12-1/8 (30.8)	17-3/8 (44.1)	19-3/4 (50.2)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)
DP 8	PAR56	12-1/8 (30.8)	17-3/8 (44.1)	19-3/4 (50.2)	7-7/8 (20.1)	8-7/8 (22.5)	9-1/4 (23.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Refer to chart for lamp type availability.
- 2 Not available with finishes.

DLW

PAR



Intended Use

For general wallwash applications that demand superior optical control, optimal color rendering and convenient dimming.

Construction

Rolled steel housing with matte black finish and plaster flange will accommodate up to 1-1/2"-thick ceiling. Tool-less access door provides access to thru-wire junction box. Expandable, self-locking mounting bars provide horizontal and vertical adjust-

ment. Secondary housing adjustment system for precise ceiling-to-flange alignment.

Optics

Self-flanged semi-specular, matte-diffuse or specular compound contour finishing trim in combination with keyed, proprietary Gotham® spread lens delivers a uniform distribution of light to the wall. Enclosed lamp compartment reduces stray light in the plenum.

Relamping capability from above or below ceiling without the use of tools.

Electrical

Medium-base porcelain socket with nickel-plated screw shell. Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

ORDERING INFORMATION

Example: DLW 6AR

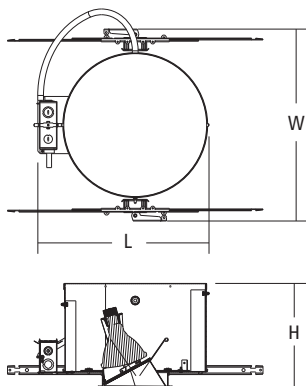
Series	Aperture/Trim ¹	Finish	Options
DLW	Aperture¹ Trim 6 AR Clear 8 PR Pewter WTR Wheat GR Gold BR Black ² WR White painted ²	(blank) Semi-specular LD Matte-diffuse LS Specular	For options and accessories, see pages 310-315.

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE/LAMP	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
DLW 6	250W PAR38	10-1/2 (26.7)	17-3/8 (44.1)	19-3/4 (50.2)	6-1/4 (15.9)	6-7/8 (17.5)	7-5/8 (19.4)
DLW 8	250W PAR38	10-1/2 (26.7)	17-3/8 (44.1)	19-3/4 (50.2)	7-7/8 (20.1)	8-7/8 (22.5)	9-3/8 (23.8)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Refer to chart for maximum wattage availability.
- 2 Not available with finishes.

PRODUCT INFORMATION

DLV

Vertical Lamp



Intended Use
Suitable for special purpose downlight applications in offices, reception areas, restaurants, showrooms, museums, retail areas and residences where precise accent lighting is desired.

Construction
Rolled steel housing with matte black finish and plaster flange. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Secondary

housing adjustment system for precise ceiling-to-flange alignment. Tool-less access door to thru-wire junction box. Trim assembly retained by two self-aligning torsion support springs.

Optics
Self-flanged semi-specular, matte-diffuse or specular reflector in 3" and 4" aperture (seamless white cast faceplate in 1", 2" and 3" aperture). Optical design maximizes light output

while minimizing high-angle brightness. Lamp snoot minimizes stray light in housing and accommodates up to two lenses. Softening safety lens provided with required lamp type. Relamping capability from above or below ceiling.

Electrical
Socket assembly, electronic stepdown transformer and thermally activated insulation detector provided with easy tool-less removal.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

ORDERING INFORMATION

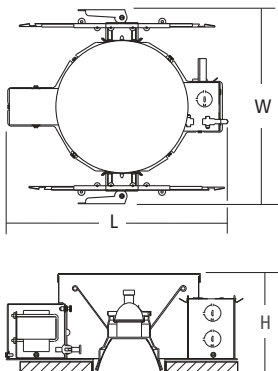
Example: DLV DWN MR16 4AC 120

Series	Configuration	Lamp type	Aperture/Trim ¹	Finish	Voltage	Options
DLV	DWN	MR16	Aperture¹ Trim	(blank) Semi-specular	120	For options and accessories, see pages 310-315.
		MR11	1 AC Clear ²	LD Matte-diffuse	277	
		ALR12	2 PC Pewter ²	LS Specular	347	
		ALR18	3 WTC Wheat ²			
		AR70	4 CC Champagne gold ²			
			B Black ^{3,4}			
			BC Black cone ^{2,4}			
			WC White painted ^{4,5}			
			MB Black baffle ^{2,4}			
			WB White baffle ^{4,5}			
	P Pinhole ^{4,6}					

ADDITIONAL INFORMATION For additional product information, visit www.gothamlighting.com.

SERIES	LAMP TYPE (MAXIMUM 75W)	APERTURE	HEIGHT (H)	LENGTH (L)	WIDTH (W)	CEILING OPENING	OVERLAP TRIM
DLV DWN 1P	MR16, MR11, ALR12	1 (2.5)	6-3/4 (17.1)	13-5/8 (34.6)	15-1/4 (38.7)	4-7/8 (12.4)	5-1/2 (14.0)
DLV DWN 2B	MR16, MR11, ALR12	2 (5.1)	6-3/4 (17.1)	13-5/8 (34.6)	15-1/4 (38.7)	4-7/8 (12.4)	5-1/2 (14.0)
DLV DWN 3AC	MR16, MR11, ALR12, ALR18, AR70	3 (7.6)	6-3/4 (17.1)	13-5/8 (34.6)	15-1/4 (38.7)	4-7/8 (12.4)	5-1/2 (14.0)
DLV DWN 4AC	MR16, MR11, ALR12, ALR18, AR70	4-1/4 (10.8)	6-3/4 (17.1)	13-5/8 (34.6)	15-1/4 (38.7)	4-7/8 (12.4)	5-1/2 (14.0)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



- Notes**
- 1 Refer to chart for lamp type and maximum wattage availability.
 - 2 Available in 3" and 4" aperture only.
 - 3 Available with 2" aperture only.
 - 4 Not available with finishes.
 - 5 Available in 4" aperture only.
 - 6 Available in 1" aperture only.

DLV Wallwash



Intended Use

Suitable for special purpose downlight applications in offices, reception areas, restaurants, showrooms, museums, retail areas and residences where wallwash accent lighting is desired.

Construction

Rolled steel housing with matte black finish and plaster flange. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Secondary housing adjustment system

for precise ceiling-to-flange alignment. Tool-less access door to thru-wire junction box. Tool-less 355° horizontal lamp adjustment is made with trim assembly lowered below ceiling. Adjustment mechanism locks to maintain lamp position during relamping. Trim assembly retained by two self-aligning torsion support springs.

Optics

Self-flanged semi-specular, matte-diffuse or specular reflector with spread lens

(seamless white cast face-plate in 3" aperture) provides maximum vertical illumination on the wall. Softening safety lens provided with required lamp type. Relamping capability from above or below ceiling.

Electrical

Socket assembly, electromagnetic stepdown transformer, thermally activated insulation detector and in-line fuse provided with easy tool-less removal.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

Example: DLV WSH MR16 4AC 120

ORDERING INFORMATION

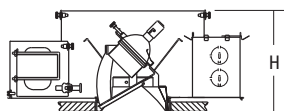
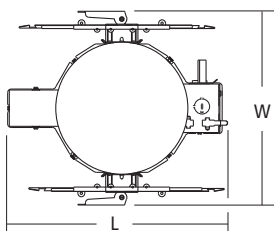
Series	Configuration	Lamp type	Aperture/Trim ³	Finish	Voltage	Options														
DLV	WSH	MR16 MR11 ALR12 ALR18 AR70	<table border="0"> <tr> <td>Aperture³</td> <td>Trim</td> </tr> <tr> <td>3</td> <td>AC Clear</td> </tr> <tr> <td>4</td> <td>PC Pewter</td> </tr> <tr> <td></td> <td>WTC Wheat</td> </tr> <tr> <td></td> <td>GR Gold</td> </tr> <tr> <td></td> <td>BC Black¹</td> </tr> <tr> <td></td> <td>WC White painted^{1,2}</td> </tr> </table>	Aperture³	Trim	3	AC Clear	4	PC Pewter		WTC Wheat		GR Gold		BC Black ¹		WC White painted ^{1,2}	(blank) Semi-specular LD Matte-diffuse LS Specular	120 277 347	For options and accessories, see pages 310-315.
Aperture³	Trim																			
3	AC Clear																			
4	PC Pewter																			
	WTC Wheat																			
	GR Gold																			
	BC Black ¹																			
	WC White painted ^{1,2}																			

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	LAMP TYPE (MAXIMUM 75W)	APERTURE	HEIGHT (H)	LENGTH (L)	WIDTH (W)	CEILING OPENING	OVERLAP TRIM
DLV WSH 3	MR16, MR11, ALR12, ALR18, AR70	3 (7.6)	6-3/4 (17.1)	13-7/8 (35.2)	15-1/8 (38.4)	4-7/8 (12.4)	5-1/2 (14.0)
DLV WSH 4	MR16, MR11, ALR12, ALR18, AR70	4-1/4 (10.8)	6-3/4 (17.1)	13-7/8 (35.2)	15-1/8 (38.4)	4-7/8 (12.4)	5-1/2 (14.0)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Not available with finishes.
- 2 Available in 4" aperture only.
- 3 Refer to chart for lamp type and maximum wattage availability.

PRODUCT INFORMATION

DLV

Adjustable Lamp



Intended Use
Suitable for special purpose downlight applications in offices, reception areas, restaurants, showrooms, museums, retail areas and residences where precise, aimable accent lighting is desired.

Construction
Rolled steel housing with matte black finish and plaster flange. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Secondary housing adjustment system

for precise ceiling-to-flange alignment. Tool-less access door to thru-wire junction box. Tool-less 0°-45° vertical and 355° horizontal lamp adjustment is made with trim assembly lowered below ceiling. Adjustment mechanism locks to maintain lamp position during relamping. Trim assembly retained by two, self-aligning torsion support rings.

Optics
Self-flanged semi-specular, matte-diffuse or specular

reflector in 3" and 4" aperture (seamless white cast faceplate in 1", 2" and 3" aperture). Optical design maximizes light output while minimizing high-angle brightness and backflash. Lamp snoot minimizes stray light in housing and accommodates up to two lenses. Softening safety lens provided with required lamp type. Relamping capability from above or below ceiling.

Electrical
Socket assembly, electromagnetic stepdown transformer, thermally activated insulation detector and in-line fuse provided with easy tool-less removal.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

ORDERING INFORMATION

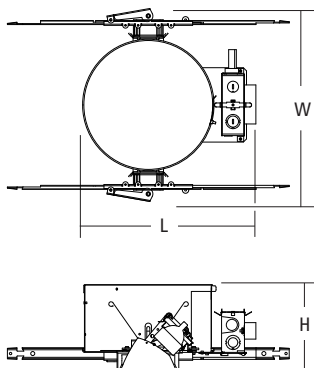
Example: DLV ADJ MR16 4ACT30 120

Series	Configuration	Lamp type	Aperture/Trim/Type ¹	Finish	Voltage	Options	
DLV	ADJ	MR16	Aperture¹ Trim Type	(blank) Semi-specular	120	For options and accessories, see pages 310-315.	
		MR11	1 ² AC Clear T Tapered cut cone ^{8,9}	LD Matte-diffuse	277		
		ALR12	2 PC Pewter T00 Straight cut, for angles 0°-15° ^{9,5}	LS Specular	347		
		ALR18	3 WTC Wheat T20 Tapered cut, for angles 15°-25° ^{9,5}				
		AR70	4 CC Champagne gold T30 Tapered cut, for angles 25°-45° ^{9,5}				
			GC Gold				
			BC Black ³				
			WC White painted ^{3,4}				
			MB Black baffle ^{3,5}				
			WB White baffle ^{3,4}				
	P Pinhole ^{3,6}						
	S Slotted ^{3,7}						

ADDITIONAL INFORMATION For additional product information, visit www.gothamlighting.com.

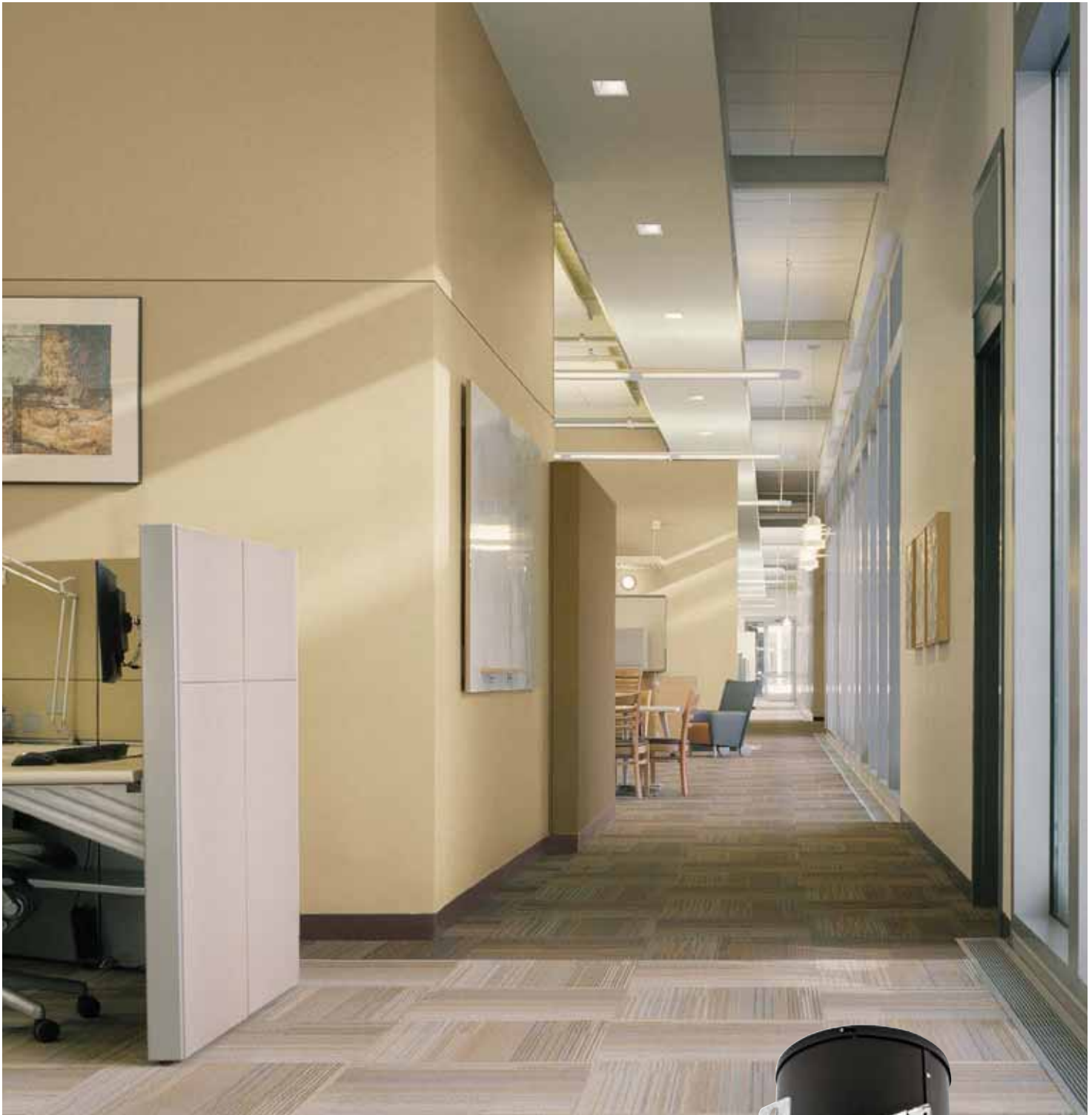
SERIES	LAMP TYPE (MAXIMUM 75W)	APERTURE	HEIGHT (H)	LENGTH (L)	WIDTH (W)	CEILING OPENING	OVERLAP TRIM
DLV ADJ 1P	MR16, MR11, ALR12	1 (2.5)	6-3/4 (17.1)	15-1/8 (38.4)	13-3/4 (34.9)	4-7/8 (12.4)	5-1/2 (14.0)
DLV ADJ 1S	MR16, MR11, ALR12	1 (2.5) x 2-1/4 (5.7)	6-3/4 (17.1)	15-1/8 (38.4)	13-3/4 (34.9)	4-7/8 (12.4)	5-1/2 (14.0)
DLV ADJ 2	MR16, MR11, ALR12	2 (5.1)	6-3/4 (17.1)	15-1/8 (38.4)	13-3/4 (34.9)	4-7/8 (12.4)	5-1/2 (14.0)
DLV ADJ 2S	MR16, MR11, ALR12	2-1/16 (5.2) x 2-13/16 (7.1)	6-3/4 (17.1)	15-1/8 (38.4)	13-3/4 (34.9)	4-7/8 (12.4)	5-1/2 (14.0)
DLV ADJ 3	MR16, MR11, ALR12 ALR18, AR70	3 (7.6)	6-3/4 (17.1)	15-1/8 (38.4)	13-3/4 (34.9)	4-7/8 (12.4)	5-1/2 (14.0)
DLV ADJ 4	MR16, MR11, ALR12 ALR18, AR70	4-1/4 (10.8)	6-3/4 (17.1)	15-1/8 (38.4)	13-3/4 (34.9)	4-7/8 (12.4)	5-1/2 (14.0)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Refer to chart for lamp type and wattage availability.
- 2 Available with Pinhole (P) or Slotted (S) trim type only.
- 3 Not available with finishes.
- 4 Available in 4" aperture only.
- 5 Available in 3" and 4" aperture only.
- 6 Available in 1" aperture only. Not available with tapered cut.
- 7 Available in 1" and 2" apertures only. Not available with tapered cut.
- 8 Available in 2" aperture only.
- 9 Not available with WC, MB, or WB.



Gotham Squares is a complete family of downlight, wallwash and adjustable luminaires that addresses a wide range of lighting needs for commercial and architectural applications. Meticulously engineered to meet high standards for efficiency and control, the Squares family ensures precision alignment and absolute consistency of aperture appearance. Squares are available in 4" and 6" square apertures in a wide range of compact fluorescent, HID and incandescent sources including MR16, PAR and T4/T6.

PRODUCT INFORMATION

SQF SQFW

Horizontal Lamp
Double-Twin Tube (DTT)
Triple-Tube (TRT)



Intended Use
For general downlight or wallwash applications that demand high efficiency and superior optical control, and where a square aperture shape is preferred.

Construction
16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Patent-pending adjustable aperture allows 1/4" adjustments in all directions and up to 5° of rotation allowing post-installation

adjustments to ensure trim-to-trim alignment. Secondary housing adjustment system for precise, final ceiling-to-flange alignment.

Optics
Self-flanged, matte-diffuse high-impact polymer finishing trim with a durable, proprietary vapor deposition finish.

Patented optical design provides lamp before lamp image and smooth transition from top of the reflector to bottom.

One-piece trim eliminates mitered flange corners and inside corner gaps.

Upper reflector is painted a highly reflective matte white, providing diffuse, even light with high efficiency.

Wallwash: Dual-kicker design along with proprietary Gotham spread lens delivers a uniform distribution of light to the wall.

Electrical
Horizontally mounted, positive-latch, thermoplastic socket.

Class P, thermally protected, high power factor electronic ballast mounted to the junction box.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

ORDERING INFORMATION

Example: SQFW 1/26TRT 4AR LD MVOLT

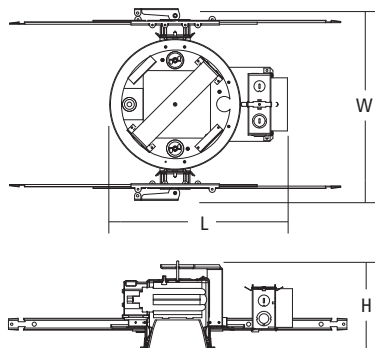
Series	Number of lamps/Lamp type		Aperture/Trim			Finish	Lens ³		Voltage	Options
	Number of lamps	Lamp type	Aperture	Trim			(blank)	No lens		
SQF						LD Matte-diffuse			MVOLT ⁴	For options and accessories, see pages 310-315.
SQFW	1/	18DTT ^{1,2}	4	AR	Clear		CSL	Concentric square lens	120	
		26DTT ^{1,2}	6	DSR	Stepped				277	
		18TRT							347	
		26TRT								
		32TRT								
		42TRT ²								

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
SQF/SQFW 4	6-13/16 (17.3)	14-1/16 (35.7)	15-3/16 (38.6)	4-1/2 (11.4)	5-1/8 (13.0)	5-3/4 (14.6)
SQF/SQFW 6	7-1/2 (19.1)	18-9/16 (47.2)	19-13/16 (50.3)	6 (15.2)	6-5/8 (16.8)	7-3/16 (18.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Ships as TRT fixture.
- Available in 6" aperture only.
- Not available with SQFW.
- Multi-volt electronic ballast capable of operating on any line voltage from 120V to 277V, 50 or 60Hz.

PRODUCT INFORMATION

Intended Use

For general downlighting applications that demand high efficiency and superior optical control and where a square aperture shape is preferred.

Construction

Rolled steel housing with matte black finish and 16-gauge painted steel mounting/plaster frame accommodates up to 1-1/2"-thick ceiling materials. Patent-pending adjustable aperture allows 1/4" adjustments in all directions and up to 5° of rotation allowing post-installation adjust-

ments to ensure trim-to-trim alignment.

16-gauge galvanized steel mounting bars with continuous 4" vertical adjustments are shipped pre-installed. Post-installation adjustment possible without the use of tools from above or below ceiling. Secondary housing adjustment system for precise, final ceiling-to-flange alignment.

Optics

Self-flanged, matte-diffuse high-impact polymer finishing trim with a durable, proprietary vapor deposition

finish. Patented optical design provides lamp before lamp image and smooth transition from top of the reflector to bottom. One-piece trim eliminates mitered flange corners and inside corner gaps. Interchangeable upper reflectors provide narrow, medium and wide distributions. 1/8"-thick softening lens eliminates beam striations and provides required protective shielding.

Electrical

Tool-less access door provides access to junction box and ballast through the aperture. G12 (T6), G8.5 (T4)

or PGJ5 (T4T) base ceramic socket. Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

SQTH
Vertical Lamp
T4
T6



Example: SQTH T6 70MHC 6AR N LD 120

ORDERING INFORMATION

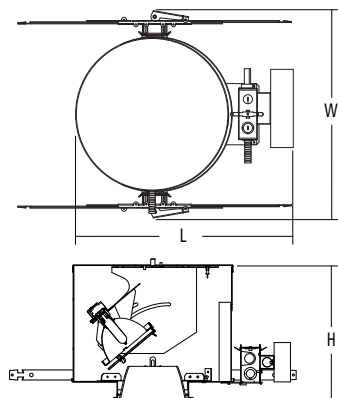
Series	Lamp type	Wattage	Aperture/Trim ⁵		Distribution	Finish	Voltage	Options
SQTH	T4T ¹	20MHC	Aperture ⁵ Trim		N Narrow	LD Matte-diffuse	120	For options and accessories, see pages 310-315.
	T4 ²	39MHC	4	AR Clear	M Medium		277	
	T6 ³	70MHC	6	DSR Stepped	W Wide		347	
		150MHC ⁴						

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	LAMP TYPE	WATTAGE	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
SQTH 4	T4T	20, 39 MHC	9-7/8 (25.1)	15-9/16 (39.5)	15-3/16 (38.6)	4-1/2 (11.4)	5-1/8 (13.0)	5-3/4 (14.6)
SQTH 4	T4	20, 39, 70 MHC	9-7/8 (25.1)	15-9/16 (39.5)	15-3/16 (38.6)	4-1/2 (11.4)	5-1/8 (13.0)	5-3/4 (14.6)
SQTH 4	T6	39, 70 MHC	9-7/8 (25.1)	15-9/16 (39.5)	15-3/16 (38.6)	4-1/2 (11.4)	5-1/8 (13.0)	5-3/4 (14.6)
SQTH 6	T4T	20, 39 MHC	12-3/16 (31.0)	20-3/16 (51.3)	19-13/16 (50.3)	6 (15.2)	6-5/8 (16.8)	7-3/16 (18.3)
SQTH 6	T4	20, 39, 70 MHC	12-3/16 (31.0)	20-3/16 (51.3)	19-13/16 (50.3)	6 (15.2)	6-5/8 (16.8)	7-3/16 (18.3)
SQTH 6	T6	39, 70, 150 MHC	12-3/16 (31.0)	20-3/16 (51.3)	19-13/16 (50.3)	6 (15.2)	6-5/8 (16.8)	7-3/16 (18.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Philips Mini MasterColor available in 20W, 39W and 120W only.
- 2 Available in 20W, 39W and 70W only.
- 3 Available in 39W, 70W and 150W only.
- 4 Available with 6" aperture only.
- 5 Refer to chart for lamp type and wattage availability.

SQHZ SQHZW

Horizontal Lamp ED17



Intended Use
For general downlight or wallwash applications that demand high efficiency, and superior optical control, and where a square aperture shape is preferred.

Construction
16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Patent-pending adjustable aperture allows 1/4" adjustments in all direc-

tions and up to 5° of rotation allowing post-installation adjustments to ensure trim-to-trim alignment. Secondary housing adjustment system for precise, final ceiling-to-flange alignment.

Optics
Self-flanged, matte-diffuse high-impact polymer finishing trim with a durable, proprietary vapor deposition finish. Patented optical design provides lamp before lamp image and smooth transition from top of the reflector to bottom. One-

piece trim eliminates mitered flange corners and inside corner gaps. Upper reflector is painted a highly reflective matte white providing diffuse, even light with high efficiency.

Wallwash: Indirect wallwash design along with proprietary Gotham spread lens delivers a uniform distribution of light to the wall.

Electrical
Pre-wired electronic, 120V or 277V ballast module is standard.

Medium-base porcelain socket with nickel-plated screw shell.
Thermally activated insulation detector.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

ORDERING INFORMATION

Example: SQHZ 70M 4AR 120

Series	Lamp type ¹	Aperture/Trim ⁵	Finish	Lens ³	Voltage	Ballast	Options
SQHZ Downlight	Metal halide (ED17)	Aperture ⁵ Trim	LD Matte-diffuse	(blank) No lens	120	(blank) Electronic ballast	For options and accessories, see pages 310-315.
SQHZW Wallwash	50M	4 AR Clear		CSL Concentric square lens	277	EMB Electromagnetic ballast	
	70M	6 DSR Stepped			347 ⁴		
	Color-corrected metal halide (ED17)						
	50MHC						
	70MHC						
	100MHC ²						

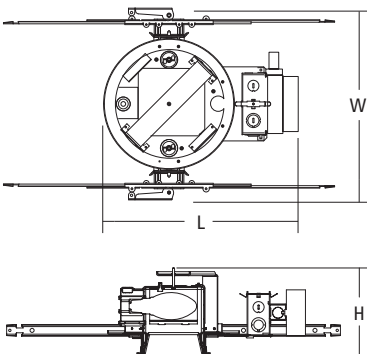
ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
SQHZ/SQHZW 4:	70	6-13/16 (17.3)	15-9/16 (39.5)	15-3/16 (38.6)	4-1/2 (11.4)	5-1/8 (13.0)	5-3/4 (14.6)
SQHZ/SQHZW 6:	100	7-1/2 (19.1)	20-1/16 (51.0)	19-13/16 (50.3)	6 (15.2)	6-5/8 (16.8)	7-3/16 (18.3)

EMB DIMENSIONS	
Length	25-5/8 (65.1)
Width	19-3/4 (50.2)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Recommended for use with coated lamps. Open-rated lamps required.
- 2 Available in 6" aperture only.
- 3 SQHZ only.
- 4 Available with electromagnetic ballasts only.
- 5 Refer to chart for maximum wattage availability.

PRODUCT INFORMATION

Intended Use

For general downlighting applications that demand high efficiency and superior optical control and a square aperture shape is preferred.

Construction

16-gauge painted steel mounting/plaster frame accommodates up to 1-1/2"-thick ceiling materials. Patent-pending adjustable aperture allows 1/4" adjustments in all directions and up to 5° of rotation allowing post-installation

adjustments to ensure trim-to-trim alignment.

16-gauge galvanized steel mounting bars with continuous 4" vertical adjustments are shipped pre-installed. Post-installation adjustment possible without the use of tools from above or below ceiling. Secondary housing adjustment system for precise, final ceiling-to-flange alignment.

Optics

Self-flanged, matte-diffuse high-impact polymer

finishing trim with a durable, proprietary vapor deposition finish. Patented optical design provides lamp before lamp image and smooth transition from top of the reflector to bottom. One-piece trim eliminates mitered flange corners and inside corner gaps. Proprietary Gotham diffusing lens standard.

Electrical

Medium-base porcelain socket with nickel-plated screw shell. Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

SQPH
Vertical Lamp
PAR



Example: SQPH P3870M 6AR LD 120

ORDERING INFORMATION

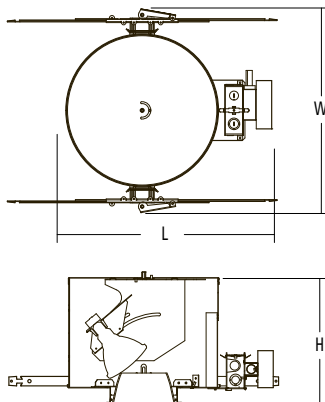
Series	Lamp type	Aperture/Trim ³	Finish	Voltage	Ballast	Options					
SQPH	Metal halide (PAR lamp)	Color-corrected metal halide (PAR lamp) ¹	LD Matte-diffuse	120	(Blank) Electronic ballast	For options and accessories, see pages 310-315.					
	P3870M ²	P2039MHC					4	AR	Clear	277	
	P38100M ²	P3039MHC					6	DSR	Stepped		347
	P38150M ²	P3070MHC									
		P3870MHC ²									
	P38100MHC ²										
	P38150MHC ²										

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE/LAMP	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
SQPH 4	70W PAR30	9-7/8 (25.1)	15-9/16 (39.5)	15-1/4 (38.7)	4-1/2 (11.4)	5-1/8 (13.0)	5-3/4 (14.6)
SQPH 6	150W PAR38	12-3/16 (31.0)	20-3/16 (51.3)	19-11/16 (50.1)	6 (15.2)	6-5/8 (16.8)	7-3/16 (18.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Ceramic arc tube consistent-color lamp. Philips MasterColor, Osram Sylvania Powerball or GE ConstantColor.
- 2 Available with 6" aperture only.
- 3 Refer to chart for maximum wattage availability.

SQAZ SQAZW

Horizontal Lamp



Intended Use
For general downlight or wallwash applications that demand optimal color rendering and convenient dimming and where a square aperture shape is preferred.

Construction
16-gauge galvanized steel mounting/plaster frame with thru-wire junction box. Expandable, self-locking mounting bars provide horizontal and vertical adjustment. Patent-pending adjustable aperture allows

1/4" adjustments in all directions and up to 5° of rotation allowing post-installation adjustments to ensure trim-to-trim alignment. Secondary housing adjustment system for precise, final ceiling-to-flange alignment.

Optics
Self-flanged, matte-diffuse high-impact polymer finishing trim with a durable, proprietary vapor deposition finish. Patented optical design provides lamp before lamp image and smooth

transition from top of the reflector to bottom. One-piece trim eliminates mitered flange corners and inside corner gaps. Upper reflector is painted a highly reflective matte white providing diffuse, even light with high efficiency.

Dual-kicker design along with proprietary Gotham spread lens delivers a uniform distribution of light to the wall.

Electrical
Medium-base porcelain

socket with nickel-plated screw shell.

Thermally activated insulation detector.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

Example: SQAZ 4AR LD

ORDERING INFORMATION

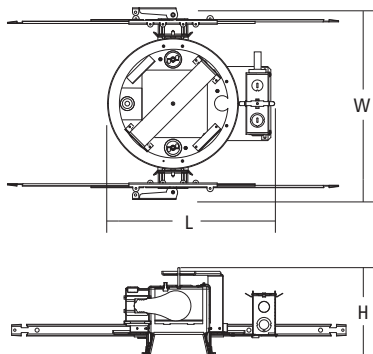
Series	Aperture/Trim ¹	Finish	Lens ²	Options
SQAZ Downlight	Aperture¹	LD Matte-diffuse	(blank) No lens	For options and accessories, see pages 310-315.
SQAZW Wallwash	4 AR Clear		CSL Concentric square lens	
	6 DSR Stepped			

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE/LAMP	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
SQAZ/SQAZW 4	100W/ A19 / BT15	6-13/16 (17.3)	13-5/16 (33.8)	15-3/16 (38.6)	4-1/2 (11.4)	5-1/8 (13.0)	5-3/4 (14.6)
SQAZ/SQAZW 6	150W/ A21 / BT15	7-1/2 (19.1)	17-11/16 (44.9)	19-13/16 (50.3)	6 (15.2)	6-5/8 (16.8)	7-3/16 (18.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Refer to chart for maximum wattage availability.
- 2 SQAZ only.

PRODUCT INFORMATION

Intended Use

For general downlighting applications that demand high efficiency and superior optical control and where a square aperture shape is preferred.

Construction

Rolled steel housing with matte black finish and 16-gauge painted steel mounting/plaster frame accommodates up to 1-1/2" thick ceiling materials. Patent-pending adjustable aperture allows 1/4" adjustments in all directions and up to 5° of

rotation allowing post-installation adjustments to ensure trim-to-trim alignment.

16-gauge galvanized steel mounting bars with continuous 4" vertical adjustments are shipped pre-installed. Post-installation adjustment possible without the use of tools from above or below ceiling. Secondary housing adjustment system for precise, final ceiling-to-flange alignment.

Optics

Self-flanged, matte-diffuse high-impact polymer

finishing trim with a durable, proprietary vapor deposition finish. Patented optical design provides lamp before lamp image and smooth transition from top of the reflector to bottom. One-piece trim eliminates mitered flange corners and inside corner gaps.

Electrical

Medium-base porcelain socket with nickel-plated screw shell. Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

SQP
Vertical Lamp
PAR



Example: SQP 4AR LD

ORDERING INFORMATION

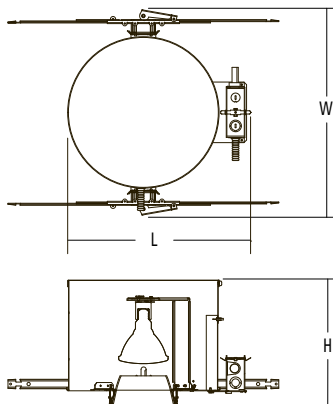
Series	Aperture/Trim ¹	Finish	Options						
SQP	<table border="1"> <thead> <tr> <th>Aperture¹</th> <th>Trim</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>AR Clear</td> </tr> <tr> <td>6</td> <td>DSR Stepped</td> </tr> </tbody> </table>	Aperture ¹	Trim	4	AR Clear	6	DSR Stepped	LD Matte-diffuse	For options and accessories, see pages 310-315.
Aperture ¹	Trim								
4	AR Clear								
6	DSR Stepped								

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE/LAMP	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
SQP 4	75W PAR30	9-7/8 (25.1)	13-5/16 (33.8)	15-1/4 (38.7)	4-1/2 (11.4)	5-1/8 (13.0)	5-3/4 (14.6)
SQP 6	150W PAR38	12-3/16 (31.0)	17-11/16 (44.9)	19-11/16 (50.1)	6 (15.2)	6-5/8 (16.8)	7-3/16 (18.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

1 Refer to chart for maximum wattage availability.

PRODUCT INFORMATION

SQDTH

Adjustable Lamp

T4
T6



Intended Use
Suitable for special purpose downlight applications in offices, reception areas, restaurants, showrooms, museums, and retail areas where efficient and precise, aimable accent lighting is desired.

Construction
Rolled steel housing with matte black finish and 16-gauge painted steel mounting/plaster frame accommodates up to 1-1/2" thick ceiling materials. Patent-pending adjustable aperture allows 1/4" adjustments in all directions and up to 5° of rotation allowing post-installation

adjustments to ensure trim-to-trim alignment.

16-gauge galvanized steel mounting bars with continuous 4" vertical adjustments are shipped pre-installed. Post-installation adjustment possible without the use of tools from above or below ceiling. Secondary housing adjustment system for precise, final ceiling-to-flange alignment.

Optics
Self-flanged, matte-diffuse high-impact polymer finishing trim with a durable, proprietary vapor deposition finish. Patented optical design provides lamp before lamp image and smooth

transition from top of the reflector to bottom. One-piece trim eliminates mitered flange corners and inside corner gaps.

Tool-less 0° - 40° vertical and 360° horizontal lamp adjustments made with the trim assembly removed for simple focusing. Lockable adjustment mechanisms maintain focus during relamping and are visible from below the ceiling with trim assembly removed.

Interchangeable upper reflectors provide narrow, medium and wide distributions. 1/8"-thick softening lens eliminates beam stria-

tions and provides required protective shielding.

Electrical
Tool-less access door provides access to junction box and ballast through the aperture. G12 (T6), G8.5 (T4) or PGJ5 (T4T) base ceramic socket. Thermally activated insulation detector.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

ORDERING INFORMATION

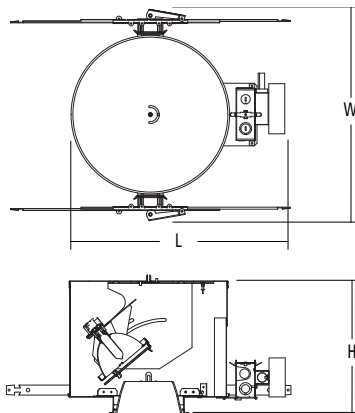
Example: SQDTH T4 39MHC 6AR M LD 120

Series	Lamp type	Wattage	Aperture/Trim ⁵	Distribution	Finish	Voltage	Options
SQDTH	T4T ¹	20MHC	Aperture ⁵ Trim 4 AR Clear 6 DSR Stepped	N Narrow	LD Matte-diffuse	120	For options and accessories, see pages 310-315.
	T4 ²	39MHC		M Medium		277	
	T6 ³	70MHC 150MHC ⁴		W Wide		347	

ADDITIONAL INFORMATION For additional product information, visit www.gothamlighting.com.

SERIES	LAMP TYPE	WATTAGE	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
SQDTH 4	T4T	20, 39 MHC	12 (30.5)	15-9/16 (39.5)	15-1/4 (38.7)	4-1/2 (11.4)	5-1/8 (13.0)	5-3/4 (14.6)
SQDTH 4	T4	20, 39, 70 MHC	12 (30.5)	15-9/16 (39.5)	15-1/4 (38.7)	4-1/2 (11.4)	5-1/8 (13.0)	5-3/4 (14.6)
SQDTH 4	T6	39, 70 MHC	12 (30.5)	15-9/16 (39.5)	15-1/4 (38.7)	4-1/2 (11.4)	5-1/8 (13.0)	5-3/4 (14.6)
SQDTH 6	T4T	20, 39 MHC	13-7/8 (35.2)	20-3/16 (51.3)	19-11/16 (50.1)	6 (15.2)	6-5/8 (16.8)	7-3/16 (18.3)
SQDTH 6	T4	20, 39, 70 MHC	13-7/8 (35.2)	20-3/16 (51.3)	19-11/16 (50.1)	6 (15.2)	6-5/8 (16.8)	7-3/16 (18.3)
SQDTH 6	T6	39, 70, 150 MHC	13-7/8 (35.2)	20-3/16 (51.3)	19-11/16 (50.1)	6 (15.2)	6-5/8 (16.8)	7-3/16 (18.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Philips Mini MasterColor available in 20W, 39W and 120V only.
- Available in 20W, 39W and 70W only.
- Available in 39W, 70W and 150W only.
- Available with 6" aperture only.
- Refer to chart for lamp type and wattage availability.

SQDPH

Adjustable Lamp

PAR



PRODUCT INFORMATION

Intended Use

Suitable for special purpose downlight applications in offices, reception areas, restaurants, showrooms, museums, and retail areas where efficient and precise, aimable accent lighting is desired.

Construction

Rolled steel housing with matte black finish and 16-gauge painted steel mounting/plaster frame accommodates up to 1-1/2" thick ceiling materials. Patent-pending adjustable aperture allows 1/4" adjustments in all directions and up to 5° of rotation allowing post-installation

adjustments to ensure trim-to-trim alignment.

16-gauge galvanized steel mounting bars with continuous 4" vertical adjustments are shipped pre-installed. Post-installation adjustment possible without the use of tools from above or below ceiling. Secondary housing adjustment system for precise, final ceiling-to-flange alignment.

Optics

Self-flanged, matte-diffuse high-impact polymer finishing trim with a durable, proprietary vapor deposition finish. Patented optical design provides lamp before

lamp image and smooth transition from top of the reflector to bottom. One-piece trim eliminates mitered flange corners and inside corner gaps.

Tool-less 0° - 40° vertical and 360° horizontal lamp adjustments made with the trim assembly removed for simple focusing. Lockable adjustment mechanisms maintain focus during relamping and are visible from below the ceiling with trim assembly removed.

Electrical

Medium-base porcelain socket with nickel-plated

screw shell. Thermally activated insulation detector.

Listings

Fixtures are UL listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

Example: SQDPH P3870M 6AR LD 120

ORDERING INFORMATION

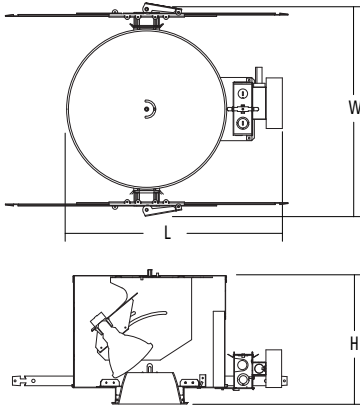
Series	Lamp type	Aperture/Trim ³	Finish	Voltage	Options
SQDPH	Metal halide (PAR lamp)	Aperture ³ Trim	LD Matte-diffuse	120	For options and accessories, see pages 310-315.
	P3870M ²	4 AR Clear		277	
	P38100M ²	6 DSR Stepped		347	
	P38150M ²				

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE/LAMP	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
SQDPH 4	39W PAR20	12 (30.5)	15-9/16 (39.5)	15-1/4 (38.7)	4-1/2 (11.4)	5-1/8 (13.0)	5-3/4 (14.6)
SQDPH 6	150W PAR38	13-7/8 (35.2)	20-3/16 (51.3)	19-11/16 (50.1)	6 (15.2)	6-5/8 (16.8)	7-3/16 (18.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Ceramic arc tube consistent-color lamp. Philips MasterColor, Osram Sylvania Powerball or GE ConstantColor.
- 2 Available with 6" aperture only.
- 3 Refer to chart for maximum wattage availability.

SQDLWTH

Lensed Wallwash

T4

T6



Intended Use

For general wallwash applications that demand high efficiency, uniform vertical illumination and low aperture brightness and where a square aperture shape is preferred.

Construction

Rolled steel housing with matte black finish and 16-gauge painted steel mounting/plaster frame accommodates up to 1-1/2" thick ceiling materials. Patent-pending adjustable aperture allows 1/4" adjustments in all directions and up to 5° of rota-

tion allowing post-installation adjustments to ensure trim-to-trim alignment.

16-gauge galvanized steel mounting bars with continuous 4" vertical adjustments are shipped pre-installed. Post-installation adjustment possible without the use of tools from above or below ceiling. Secondary housing adjustment system for precise, final ceiling-to-flange alignment.

Optics

Self-flanged matte-diffuse high-impact polymer finishing

trim with a durable, proprietary vapor deposition finish. Patented optical design provides lamp before lamp image and smooth transition from top of the reflector to bottom. One-piece trim eliminates mitered flange corners and inside corner gaps. Indirect wallwash design along with proprietary Gotham spread lens delivers a uniform distribution of light to the wall.

Electrical

Tool-less access door provides access to junction

box and ballast through the aperture. G12 (T6), G8.5 (T4) or PGJ5 (T4T) base ceramic socket. Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

ORDERING INFORMATION

Example: SQDLWTH T4 39MHC 4AR LD 120

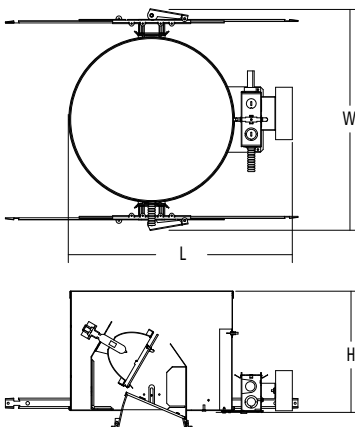
Series	Lamp type	Wattage	Aperture/Trim ⁵	Finish	Voltage	Options
SQDLWTH	T4T ¹	20MHC	Aperture ⁵ Trim	LD Matte-diffuse	120	For options and accessories, see pages 310-315.
	T4 ²	39MHC				
	T6 ³	70MHC	6 DSR Stepped			
		150MHC ⁴				

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	LAMP TYPE	MAXIMUM WATTAGE	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
SQDLWTH 4	T4T	20, 39 MHC	9-7/8 (25.1)	15-9/16 (39.5)	15-3/16 (38.6)	4-1/2 (11.4)	5-1/8(13.0)	5-3/4 (14.6)
SQDLWTH 4	T4	20, 39, 70 MHC	9-7/8 (25.1)	15-9/16 (39.5)	15-3/16 (38.6)	4-1/2 (11.4)	5-1/8(13.0)	5-3/4 (14.6)
SQDLWTH 4	T6	39, 70 MHC	9-7/8 (25.1)	15-9/16 (39.5)	15-3/16 (38.6)	4-1/2 (11.4)	5-1/8(13.0)	5-3/4 (14.6)
SQDLWTH 6	T4T	20, 39 MHC	12-3/16 (31.0)	20-3/16 (51.3)	19-11/16 (38.6)	6 (15.2)	6-5/8 (16.8)	7-3/16 (18.3)
SQDLWTH 6	T4	20, 39, 70 MHC	12-3/16 (31.0)	20-3/16 (51.3)	19-11/16 (38.6)	6 (15.2)	6-5/8 (16.8)	7-3/16 (18.3)
SQDLWTH 6	T6	39, 70, 150 MHC	12-3/16 (31.0)	20-3/16 (51.3)	19-11/16 (38.6)	6 (15.2)	6-5/8 (16.8)	7-3/16 (18.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Philips Mini MasterColor® available in 20W, 39W and 120V only.
- 2 Available in 20W, 39W and 70W only.
- 3 Available in 39W, 70W and 150W only.
- 4 Available in 6" aperture only.
- 5 Refer to chart for lamp type and wattage availability.

SQDLWH

Lensed Wallwash
PAR



PRODUCT INFORMATION

Intended Use

For general wallwash applications that demand high efficiency, uniform vertical illumination and low aperture brightness and where a square shape is preferred.

Construction

Rolled steel housing with matte black finish and 16-gauge painted steel mounting/plaster frame accommodates up to 1-1/2" thick ceiling materials. Patent-pending adjustable aperture allows 1/4" adjustments in all directions and up to 5° of rota-

tion allowing post-installation adjustments to ensure trim-to-trim alignment.

16-gauge galvanized steel mounting bars with continuous 4" vertical adjustments are shipped pre-installed. Post-installation adjustment possible without the use of tools from above or below ceiling. Secondary housing adjustment system for precise, final ceiling-to-flange alignment.

Optics

Self-flanged matte-diffuse high-impact polymer finishing

trim with a durable, proprietary vapor deposition finish. Patented optical design provides lamp before lamp image and smooth transition from top of the reflector to bottom. One-piece trim eliminates mitered flange corners and inside corner gaps. Indirect wallwash design along with proprietary Gotham spread lens delivers a uniform distribution of light to the wall.

Electrical

Medium-base porcelain socket with nickel-plated

screw shell. Thermally activated insulation detector.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

ORDERING INFORMATION

Example: SQDLWH P3870M 6AR LD 120

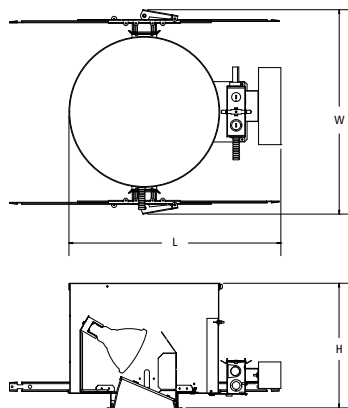
Series	Lamp type	Aperture/Trim ³	Finish	Voltage	Options
SQDLWH	Metal halide (PAR Lamp)	Aperture ³ Trim	LD Matte-diffuse	120	For options and accessories, see pages 310-315.
	P3870M 70W PAR38 ²	4 AR Clear		277	
	P38100M 100W PAR38 ²	6 DSR Stepped		347	
	P38150M 150W PAR38 ²				
	Color-corrected metal halide (PAR Lamp) ¹				
	P2039MHC 39W PAR20				
	P3039MHC 39W PAR30				
	P3070MHC 70W PAR30				
	P3870MHC 70W PAR38 ²				
	P38100MHC 100W PAR38 ²				
	P38150MHC 150W PAR38 ²				

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
SQDLWH 4	70W PAR30	9-7/8 (25.1)	15-9/16 (39.5)	15-3/16 (38.6)	4-1/2 (11.4)	5-1/8 (13.0)	5-3/4 (14.6)
SQDLWH 6	150W PAR38	12-3/16 (31.0)	20-3/16 (51.3)	19-11/16 (50.1)	6 (15.2)	6-5/8 (16.8)	7-3/16 (18.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Ceramic arc tube consistent-color lamp.
- 2 Available in 6" aperture only.
- 3 Refer to chart for maximum wattage availability.

PRODUCT INFORMATION

SQDP

Adjustable Lamp PAR



Intended Use
Suitable for special purpose downlight applications in offices, reception areas, restaurants, showrooms, museums, and retail areas where efficient and precise, aimable accent lighting is desired.

Construction
Rolled steel housing with matte black finish and 16-gauge painted steel mounting/plaster frame accommodates up to 1-1/2" thick ceiling materials. Patent-pending adjustable aperture allows 1/4" adjustments in all directions and up to 5° of rota-

tion allowing post-installation adjustments to ensure trim-to-trim alignment.

16-gauge galvanized steel mounting bars with continuous 4" vertical adjustments are shipped pre-installed. Post-installation adjustment possible without the use of tools from above or below ceiling. Secondary housing adjustment system for precise, final ceiling-to-flange alignment.

Optics
Self-flanged, matte-diffuse high-impact polymer finishing trim with a durable,

proprietary vapor deposition finish. Patented optical design provides lamp before lamp image and smooth transition from top of the reflector to bottom. One-piece trim eliminates mitered flange corners and inside corner gaps.

Tool-less 0° - 40° vertical and 360° horizontal lamp adjustments made with the trim assembly removed for simple focusing. Lockable adjustment mechanisms maintain focus during relamping and are visible

from below the ceiling with trim assembly removed.

Electrical
Medium-base porcelain socket with nickel-plated screw shell. Thermally activated insulation detector.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

Example: SQDP 6AR LD

ORDERING INFORMATION

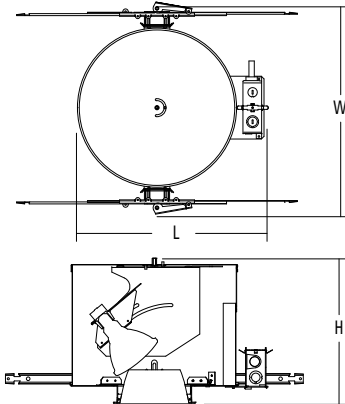
Series	Aperture/Trim ¹	Finish	Options						
SQDP	<table border="0"> <tr> <td>Aperture¹</td> <td>Trim</td> </tr> <tr> <td>4</td> <td>AR Clear</td> </tr> <tr> <td>6</td> <td>DSR Stepped</td> </tr> </table>	Aperture¹	Trim	4	AR Clear	6	DSR Stepped	LD Matte-diffuse	For options and accessories, see pages 310-315.
Aperture¹	Trim								
4	AR Clear								
6	DSR Stepped								

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE /LAMP	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
SQDP 4	75W PAR30	12 (30.5)	13-5/8 (38.7)	15-1/8 (38.4)	4-1/2 (11.4)	5-1/8 (13.0)	5-3/4 (14.6)
SQDP 6	150W PAR38	13-7/8 (35.2)	17-11/16 (44.9)	19-3/4 (50.2)	6 (15.2)	6-5/8 (16.8)	7-3/16 (18.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Refer to chart for lamp type availability.
- 2 Not available with finishes.

SQDLW

Lensed Wallwash
PAR



Example: SQDLW 6AR LD

ORDERING INFORMATION

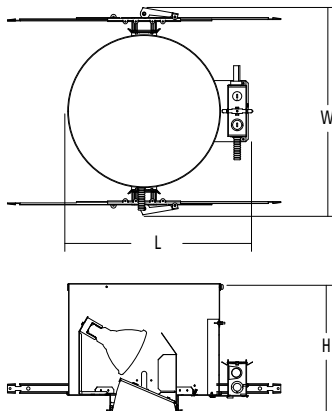
Series	Aperture/Trim ¹	Finish	Options
SQDLW	Aperture¹ Trim 4 AR Clear 6 DSR Stepped	LD Matte-diffuse	For options and accessories, see pages 310-315.

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE/LAMP	HEIGHT (H)	LENGTH (L)	WIDTH (W)	APERTURE	CEILING OPENING	OVERLAP TRIM
SQDLW 4	75W PAR30	9-7/8 (25.1)	13-5/8 (38.7)	15-3/16 (38.6)	4-1/2 (11.4)	5-1/8 (13.0)	5-3/4 (14.6)
SQDLW 6	150W PAR38	12-3/16 (31.0)	17-11/16 (44.9)	19-11/16 (50.1)	6 (15.2)	6-5/8 (16.8)	7-3/16 (18.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Intended Use
For general wallwash applications that demand superior optical control, optimal color rendering and convenient dimming and where a square shape is preferred.

Construction
Rolled steel housing with matte black finish and 16-gauge painted steel mounting/plaster frame accommodates up to 1-1/2" thick ceiling materials. Patent-pending adjustable aperture allows 1/4" adjustments in all directions and up to 5° of rotation allowing post-installation

adjustments to ensure trim-to-trim alignment.

16-gauge galvanized steel mounting bars with continuous 4" vertical adjustments are shipped pre-installed. Post-installation adjustment possible without the use of tools from above or below ceiling. Secondary housing adjustment system for precise, final ceiling-to-flange alignment.

Optics
Self-flanged matte-diffuse high-impact polymer finishing trim with a durable, proprietary vapor deposition finish.

Patented optical design provides lamp before lamp image and smooth transition from top of the reflector to bottom. One-piece trim eliminates mitered flange corners and inside corner gaps. Indirect wallwash design along with proprietary Gotham spread lens delivers a uniform distribution of light to the wall.

Electrical
Medium-base porcelain socket with nickel-plated screw shell. Thermally activated insulation detector.

Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

Notes

¹ Refer to chart for maximum wattage availability.

PRODUCT INFORMATION

SQDLV

Vertical Lamp



Intended Use

Suitable for special purpose downlight applications in offices, reception areas, restaurants, showrooms, museums, retail areas and residences where precise accent lighting and a square shape are desired.

Construction

Rolled steel housing with matte black finish and 16-gauge painted steel mounting/plaster frame accommodates up to 1-1/2" thick ceiling materials. Patent-pending adjustable aperture allows 1/4" adjustments in all directions and up to 5° of rotation allowing post-installation adjustments to ensure trim-to-trim alignment.

16-gauge galvanized steel mounting bars with continuous 4" vertical adjustments are shipped pre-installed. Post-installation adjustment possible without the use of tools from above or below ceiling. Secondary housing adjustment system for precise, final ceiling-to-flange alignment.

Optics

Self-flanged, matte-diffuse high-impact polymer finishing trim with a durable, proprietary vapor deposition finish. Patented optical design provides lamp before lamp image and smooth transition from top of the reflector to bottom. One-piece trim eliminates mitered flange corners and inside corner gaps.

Tool-less 0° - 40° vertical and 360° horizontal lamp adjustments made with the trim assembly removed for simple focusing. Lockable adjustment mechanisms maintain focus during relamping and are visible from below the ceiling with trim assembly removed.

Lamp snoot minimizes stray light in housing and accommodates up to two lenses. Softening safety lens provided.

Electrical

Socket assembly, electronic stepdown transformer and thermally activated insulation detector provided with easy tool-less removal.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

ORDERING INFORMATION

Example: SQDLV DWN MR16 4AR LD 120

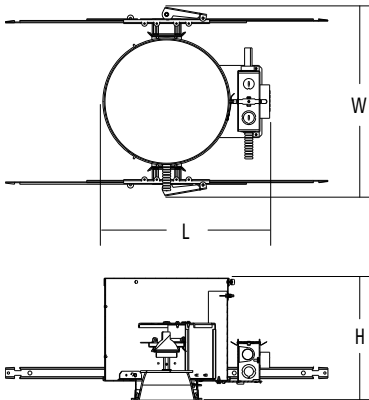
Series	Configuration	Lamp type	Aperture/Trim		Finish	Voltage	Options
SQDLV	DWN	MR16	Aperture 4	Trim AR Clear DSR Stepped	LD Matte-diffuse	120 277 347	For options and accessories, see pages 310-315.

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	LAMP TYPE (MAXIMUM 75W)	APERTURE	HEIGHT (H)	LENGTH (L)	WIDTH (W)	CEILING OPENING	OVERLAP TRIM
SQDLV DWN 4AR	MR16	4-1/2 (11.4)	9-7/8 (25.1)	14-1/16 (35.7)	15-3/16 (38.6)	5-1/8 (13.0)	5-3/4 (14.6)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Intended Use

Suitable for special purpose downlight applications in offices, reception areas, restaurants, showrooms, museums, retail areas and residences where wallwash accent lighting and a square shape are desired.

Construction

Rolled steel housing with matte black finish and 16-gauge painted steel mounting/plaster frame accommodates up to 1-1/2" thick ceiling materials. Patent-pending adjustable aperture allows 1/4" adjustments in all directions and up to 5° of rotation allowing post-installation adjustments to ensure trim-to-trim alignment.

16-gauge galvanized steel mounting bars with continuous 4" vertical adjustments are shipped pre-installed. Post-installation adjustment possible without the use of tools from above or below ceiling. Secondary housing adjustment system for precise, final ceiling-to-flange alignment.

Tool-less access door to thru-wire junction box. Tool-less horizontal lamp adjustment is made with trim assembly removed. Adjustment mechanism locks to maintain lamp position during relamping.

Optics

Self-flanged, matte-diffuse high-impact polymer

finishing trim with a durable, proprietary vapor deposition finish. Patented optical design provides lamp before lamp image and smooth transition from top of the reflector to bottom. One-piece trim eliminates mitered flange corners and inside corner gaps.

Indirect wallwash design along with proprietary Gotham spread lens delivers a uniform distribution of light to the wall. Softening safety lens provided with required lamp type. Relamping capability from above or below ceiling.

Electrical

Socket assembly, electronic stepdown transformer and

thermally activated insulation detector provided with easy tool-less removal.

Listings

Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

SQDLV

Lensed Wallwash



Example: SQDLV WSH MR16 4AR LD 120

ORDERING INFORMATION

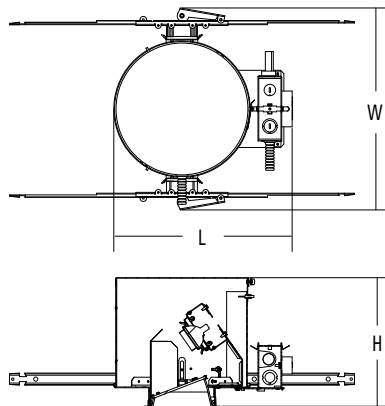
Series	Configuration	Lamp type	Aperture/Trim	Finish	Voltage	Options						
SQDLV	WSH	MR16	<table border="1"> <thead> <tr> <th>Aperture</th> <th>Trim</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>AR Clear</td> </tr> <tr> <td></td> <td>DSR Stepped</td> </tr> </tbody> </table>	Aperture	Trim	4	AR Clear		DSR Stepped	LD Matte-diffuse	120 277 347	For options and accessories, see pages 310-315.
Aperture	Trim											
4	AR Clear											
	DSR Stepped											

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	LAMP TYPE (MAXIMUM 75W)	APERTURE	HEIGHT (H)	LENGTH (L)	WIDTH (W)	CEILING OPENING	OVERLAP TRIM
SQDLV WSH 4	MR16	4-1/2 (11.4)	9-7/8 (25.1)	14-1/16 (35.7)	15-3/16 (38.6)	5-1/8 (13.0)	5-3/4 (14.6)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

SQDLV

Adjustable Lamp



Intended Use
Suitable for special purpose downlight applications in offices, reception areas, restaurants, showrooms, museums, retail areas and residences where precise, aimable accent lighting and a square shape are desired.

Construction
Rolled steel housing with matte black finish and 16-gauge painted steel mounting/plaster frame accommodates up to 1-1/2" thick ceiling materials. Patent-pending adjustable aperture allows 1/4" adjustments in all directions and up to 5° of rotation allowing post-installation adjustments to ensure trim-to-trim alignment.

16-gauge galvanized steel mounting bars with continuous 4" vertical adjustments are shipped pre-installed. Post-installation adjustment possible without the use of tools from above or below the ceiling. Secondary housing adjustment system for precise, final ceiling-to-flange alignment.

Optics
Self-flanged matte-diffuse high-impact polymer finishing trim with a durable, proprietary vapor deposition finish. Patented optical design provides lamp before lamp image and smooth transition from top of the reflector to bottom. One-piece trim eliminates mitered

flange corners and inside corner gaps. Tool-less 0°-40° vertical and 360° horizontal lamp adjustments made with the trim assembly removed for simple focusing. Lockable adjustment mechanisms maintain focus during relamping and are visible from below the ceiling with trim assembly removed.

Lamp snoot minimizes stray light in housing and accommodates up to two lenses. Relamping capability from above or below ceiling.

Electrical
Socket assembly, electronic stepdown transformer and

thermally activated insulation detector provided with easy tool-less removal.
Listings
Fixtures are UL Listed for thru-branch wiring, Non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

ORDERING INFORMATION

Example: SQDLV ADJ MR16 4AR LD 120

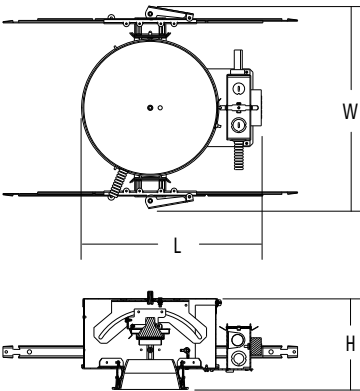
Series	Configuration	Lamp type	Aperture/Trim	Finish	Voltage	Options
SQDLV	ADJ	MR16	Aperture Trim 4 AR Clear DSR Stepped	LD Matte-diffuse	120 277 347	For options and accessories, see pages 310-315.

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	LAMP TYPE (MAXIMUM 75W)	APERTURE	HEIGHT (H)	WIDTH (W)	LENGTH (L)	CEILING OPENING	OVERLAP TRIM
SQDLV ADJ 4	MR16	4-1/2 (11.4)	7-11/16 (19.5)	15-3/16 (38.6)	14-1/16 (35.7)	5-1/8 (13.0)	5-3/4 (14.6)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

Intended Use

High-performance pendant downlight with decorative accent features designed to add visual interest.

Construction

Decorative housing: Durable, heavy-gauge aluminum housing with polyester powder paint finish. Four-inch Elevations® offers the option of a glass shade made of pressed, colored glass with an acid-etched exterior finish and a matte white painted interior décor. Available in white, amber and blue.

Decorative elements:

Four configurations allow customization suitable in any space: No ring (no

decorative element); soft ring (subtle, formed aluminum band - polyester powder paint - black); stacked rings (three injection-molded black acrylic rings); gear (precision-formed from solid aluminum - polyester powder paint - black).

Optics

Reflector system: Self-flanged semi-specular or matte-diffuse reflector. Patented optical design provides lamp before lamp image and smooth transition from top of reflector to bottom. Reflector flange visually integrates with housing.

Electrical

Positive-latch, thermoplastic socket. Class P, thermally protected, high-power factor electronic ballast.

Installation

Surface-mounted canopy attaches directly to 4" square or octagonal junction box and provides hands-free electrical connection.

RC120: Black cord is provided for electrical connection of luminaire to surface-mounted canopy (120" standard). SM: Luminaire is mounted directly to the surface-mounted canopy. WM: Luminaire is provided with a diminutive arm and ballast

enclosure. Enclosure mounts directly to junction box.

Listings

Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

4" PDPF

Elevations™
Vertical Lamp
Triple-Tube (TRT)



ORDERING INFORMATION

Example: PDPF 32TRT 4AR MVOLT SSNR RC120

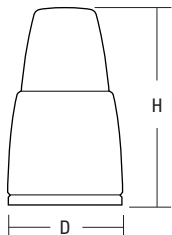
Series	Lamp type	Aperture/Trim	Finish	Voltage	Ballast		
PDPF	18TRT	Aperture 4 Trim	(blank) Semi-specular	MVOLT ²	(blank) Electronic ballast		
	26TRT		LD Matte-diffuse	120	DMHL Lutron Compact SE® electronic dimming ballast		
	32TRT	AR Clear PR Pewter BR Black ¹ WTR Wheat WR White painted ¹ Glass shade WG White glass ¹ AG Amber glass ¹ BG Blue glass ¹		277	ADEZ Advance Mark 10™ electronic dimming ballast		
				347			
			Height/Housing/Decorative element ^{3,4}		Mounting ⁴	Options	
			Height	Housing ³	Decorative element ⁴	RC120 Cord mount (120" provided)	For options and accessories, see pages 310-315.
			S Short	B Matte black S Satin silver	NR No ring S Soft ring C Stacked rings G Gear	SM Surface mount WM Wall mount	

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	APERTURE	DIAMETER (D)
PDPF (aluminum)	10-1/4 (26.1)	4-5/16 (11.0)	5-7/8 (14.9)
PDPF (glass)	10-1/4 (26.1)	5-5/8 (14.3)	5-5/8 (14.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- 1 Not available with finishes.
- 2 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60Hz.
- 3 Additional architectural colors available; see pages 796-799 or see brochure 794.3.
- 4 Refer to page 296 for decorative and mounting options.

8" PDPF

Elevations™

Triple-Tube (TRT)



Intended Use

High-performance pendant downlight with decorative accent features designed to add visual interest.

Construction

Decorative Housing: Durable, heavy-gauge aluminum housing with polyester powder paint finish. The housing is available in short or tall configurations to allow for a variety of ceiling height applications.

Decorative Elements:

Four configurations allow customization suitable in any space: No ring (no decorative element); soft ring (subtle, formed aluminum

band - polyester powder paint - black); stacked rings (four injection-molded black acrylic rings); gear (precision formed from solid aluminum - polyester powder paint - black).

Optics

Self-flanged semi-specular or matte-diffuse reflector. Patented optical design provides lamp before lamp image and smooth transition from top of reflector to bottom. Reflector flange visually integrates with housing.

Electrical

Positive-latch, thermoplastic socket(s). Class P, thermally protected, high-power factor electronic ballast.

Installation

Surface-mounted canopy attaches directly to 4" square or octagonal junction box and provides hands-free electrical connection. RC120 - Black cord is provided for electrical connection of luminaire to surface-mounted canopy (120" standard). SM - Luminaire is mounted directly to the surface-mounted canopy.

Listings

Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards. Patented Vertisys® - Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

ORDERING INFORMATION

Example: PDPF 2/32TRT 8AR MVOLT TSNR RC120

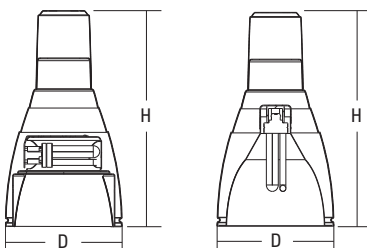
Series	Number of lamps/Lamp type		Aperture/Trim		Finish	Lens		Voltage
PDPF	Number of lamps	Lamp type	Aperture	Trim	(blank) Semi-specular	(blank) No lens		MVOLT ³
	1/	18TRT ²	8	AR Clear	LD Matte-diffuse	CGL Clear glass lens		120
	2/ ¹	26TRT		PR Pewter		T73 Tempered prismatic lens		277
		32TRT		WTR Wheat				347
		42TRT ²		CB Clear cross baffle ¹				
Height/Housing/Decorative elements^{4,5}			Mounting⁵		Options			
Height	Housing⁴	Decorative elements⁵		RC120 Cord mount (120" provided)	For options and accessories, see pages 310-315.			
S Short	B Matte black	NR No ring		SM Surface mount				
T Tall	S Satin silver	S Soft ring						
		C Stacked rings						
		G Gear						

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H) (SHORT)	HEIGHT (H) (TALL)	APERTURE	DIAMETER (D)
PDPF	14-7/8 (37.7)	17-5/8 (44.8)	7-7/8 (20.1)	9-3/8 (23.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available in horizontal only.
- 2 Available in vertical only.
- 3 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60HZ.
- 4 Additional architectural colors available; see pages 796-799 or see brochure 794.3.
- 5 Refer to page 296 for decorative and mounting options.

PRODUCT INFORMATION

Intended Use

High-performance pendant downlight with decorative accent features designed to add visual interest.

Construction

Decorative housing: Durable, heavy-gauge aluminum housing with polyester powder paint finish. The housing is available in short or tall configurations to allow for a variety of ceiling height applications.

Decorative elements:

Four configurations allow customization suitable in any space. No ring (no decorative element); soft ring (subtle, formed aluminum band - polyester powder paint - black); stacked rings (four injection-molded black acrylic rings); gear (precision formed

from solid aluminum - polyester powder paint - black).

Optics

Self-flanged, matte-diffuse reflector. Patented optical design provides lamp before lamp image and smooth transition from top of reflector to bottom. Reflector flange visually integrates with housing. Hinged lamp door seals upper trim for optimal fixture efficiency.

Candéo®: Inner reflector is field adjustable to three settings that place the reflector flush, 3/8" or 3/4" from the bottom edge of the decorative housing.

ICE™: Clear acrylic cross baffle with surface that provides a decorative edge-glow appearance. Available in

three distinctive styles: flush, round and angular.

ICE™ color: Patented, blue, amber or white acrylic cross baffle jacketed with aluminum provides a vibrant edge-glow color appearance. Available in flush or round baffle styles.

Turbo baffle: Clear acrylic three-spoke turbo baffle with surface that provides a decorative edge-glow appearance.

Electrical

Horizontally mounted, positive-latch thermoplastic socket(s). Class P, thermally-protected, high-power-factor electronic ballast.

Installation

Surface-mounted canopy attaches directly to 4" square or

octagonal junction box and provides hands-free electrical connection. RC120 - Black cord is provided for electrical connection of luminaire to surface-mounted canopy (120" standard). SM - Luminaire is mounted directly to the surface-mounted canopy.

Listings

Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050). Patented Candéo® reflector design (U.S. Patent No. 7,014,341). ICE™ Color Cross Baffle design (U.S. Patent No. 6,273,592).

8" PDPF
Elevations™
Candéo® or ICE™
Triple-Tube (TRT)



Candéo®

ICE™ Turbo

Example: PDPF 2/32TRT 8T MVOLT TSC RC120

Series		Number of lamps/Lamp type		Aperture/Baffle		Finish ⁴	Voltage	Height/Housing/Decorative elements ^{2,3}					
PDPF	Number of lamps	Lamp type	Aperture	Baffle		(blank) Semi-specular LD Matte-diffuse	MVOLT ¹	Height		Housing ²		Decorative elements ³	
				1/	2/			S	T	B	S	NR	S
		26TRT	8	Candéo®			120	S	Short	B	Matte black	NR	No ring
		32TRT		DW	Snow		277	T	Tall	S	Satin silver	S	Soft ring
				DG	Sea		347					C	Stacked rings
				DB	Sky							G	Gear
				DT	Sand								
				ICE™									
				T	Turbo								
				XF	Clear flush								
				XR	Clear round								
				XA	Clear angular								
				ICE™ color									
				RLRF	Red flush								
				RLRR	Red round								
				BLRF	Blue flush								
				BLRR	Blue round								
				ALRF	Amber flush								
				ALRR	Amber round								
				WLRF	White flush								
				WLRR	White round								

Mounting³

RC120 Cord mount (120" provided)
SM Surface mount

Options

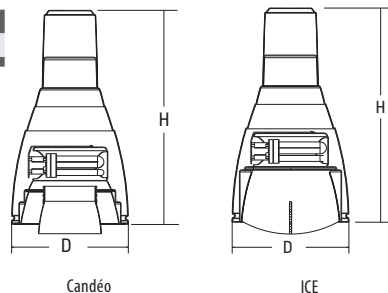
For options and accessories, see pages 310-315.

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H) (SHORT)	HEIGHT (H) (TALL)	APERTURE	DIAMETER (D)
PDPF	14-7/8 (37.7)	17-5/8 (44.8)	7-7/8 (20.1)	9-3/8 (23.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60HZ.
- 2 Additional architectural colors available; see pages 796-799 or see brochure 794.3.
- 3 Refer to page 296 for decorative and mounting options.
- 4 Available only with Candéo.

10" PDPF

Elevations™

Candéo®

Triple-Tube (TRT)



Intended Use

High-performance pendant downlight with decorative accent features designed to add visual interest.

Construction

Decorative housing: Durable, heavy-gauge aluminum housing with polyester powder paint finish. Upper ballast module houses all gear, including available emergency battery pack.

Optics

Patented Candéo® self-flanged semi-specular or matte-diffuse reflector. Patented optical design provides lamp before lamp image and smooth transition from top of reflector to bottom. Reflector flange visually integrates with housing. Hinged lamp door seals upper trim for optimal fixture efficiency. Inner reflector is field adjustable to three settings that place

the reflector flush, 1/2" or 1" from the bottom edge of the decorative housing.

Electrical

Horizontally mounted, positive-latch, thermoplastic socket(s). Class P, thermally protected, high-power-factor electronic ballast(s).

Installation

PM: Pendant-mount entry provided for 3/8" National Pipe Thread stem. Swivel

mounting accessories available. ACC: Aircraft cable and cord mount provided with 10-ft. aircraft cable and black cord.

Listings

Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050). Patented Candéo® reflector design (U.S. Patent No. 7,014,341).

ORDERING INFORMATION

Example: PDPF 3/32TRT 10DR MVOLT BL ACC

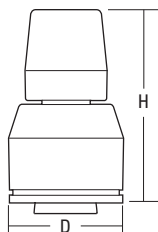
Series	Number of lamps/Lamp type		Aperture/Trim			Finish	Voltage	Housing ³		
PDPF	Number of lamps	Lamp type	Aperture	Trim		(blank) Semi-specular LD Matte-diffuse	MVOLT ² 120 277 347	BL	Matte black	
	1/	26TRT	10	DW	Snow			SS	Satin silver	
	2/	32TRT		DG	Sea			WH	White	
	3/	42TRT		DB	Sky					
		57TRT ¹		DT	Sand					
				DR	Ruby					
Mounting		Mounting accessories			Options					
PM	Pendant mount ⁴		CYS 3/8 stem and canopy w/5° hang straight ⁶			For options and accessories, see pages 310-315.				
ACC	Aircraft cable and cord ⁵		CRS 3/8 stem and canopy w/45° swivel ⁶							

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	APERTURE	DIAMETER (D)
PDPF	19-3/8 (49.2)	9-3/4 (24.8)	11-3/8 (28.9)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Available in 1- or 2-lamp only.
- Multi-volt electronic ballast capable of opening on any line voltage from 120V through 277V, 50 or 60Hz.
- Additional architectural colors available; see pages 796-799 or see brochure 794.3.
- Available with CYA or CRS stem option only.
- Provided with 10-ft. aircraft cable and black cord. White cord standard when white pendant is ordered. Consult factory for additional lengths.
- For use with PM option only. Length of stem must be specified (from 12" to 48" in 2" even increments). EX: CYS12. Stems greater than 48", maximum 240", provided with couples. Consult factory for exterior use.

10" PDPF

Elevations™
Open or Cross Baffle
Triple-Tube (TRT)



PRODUCT INFORMATION

Intended Use

High-performance pendant downlight with decorative accent features designed to add visual interest.

Construction

Decorative housing: Durable, heavy-gauge aluminum housing with polyester powder paint finish. Upper ballast module houses all gear, including available emergency battery pack.

Optics

Self-flanged semi-specular or matte-diffuse reflector. Patented optical design provides lamp before lamp image and smooth transition from top of reflector to bottom. Reflector flange visually integrates with housing. Cross baffle offers superior cut-off with a clean aperture appearance.

Electrical

Horizontally mounted, positive-latch, thermoplastic

socket(s). Class P, thermally protected, high-power-factor electronic ballast(s).

Installation

PM: Pendant-mount entry provided for 3/8" National Pipe Thread stem. Swivel mounting accessories available. ACC: Aircraft cable and cord mount provided with 10-ft. aircraft cable and black cord.

Listings

Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

ORDERING INFORMATION

Example: PDPF 3/32TRT 10AR MVOLT BL ACC

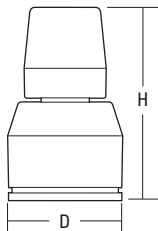
Series	Number of lamps/Lamp type		Aperture/Trim			Finish	Lens		Voltage	Housing ³	
	Number of lamps	Lamp type	Aperture	Trim			(blank)			BL	Matte black
PDPF	1/	26TRT	10	AR	Clear	(blank)	No lens	MVOLT ²	BL	Matte black	
	2/	32TRT		PR	Pewter	LD	Clear glass lens	120	SS	Satin silver	
	3/	42TRT		WTR	Wheat		Tempered prismatic lens	277	WH	White	
		57TRT ¹		CB	Clear cross baffle			347			
► Mounting			Mounting accessories			Options					
PM	Pendant mount ⁴		CYS 3/8 stem and canopy w/5° hang straight ¹⁶			For options and accessories, see pages 310-315.					
ACC	Aircraft cable and cord ⁵		CRS 3/8 stem and canopy w/45° swivel ⁶								

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	APERTURE	DIAMETER (D)
PDPF	19-3/8 (49.2)	9-3/4 (24.8)	11-3/8 (28.9)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Available in 1- or 2-lamp only.
- Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60Hz.
- Additional architectural colors available; see pages 796-799 or see brochure 794.3.
- Available with CYS or CRS stem option only.
- Provided with 10-ft. aircraft cable and black cord. White cord standard when white pendant is ordered. Consult factory for additional lengths.
- For use with PM option only. Length of stem must be specified (from 12" to 48" in 2" even increments). EX: CYS12. Stems greater than 48", maximum 240", provided with couplers. Consult factory for exterior use.

14" PDPF

Elevations™
Vertical Lamp
Triple-Tube (TRT)



Intended Use

High-performance pendant downlight with decorative accent features designed to add visual interest.

Construction

Decorative housing: Durable, heavy-gauge aluminum housing with polyester powder paint finish. Upper ballast module houses all gear, including available emergency battery pack.

Decorative element: Decorative glass refractor available in white, amber or blue. Glass is pressed, colored glass with an acid-etched exterior finish

and a matte white painted interior décor.

Optics

Self-flanged semi-specular or matte-diffuse reflector. Patented optical design provides lamp before lamp image and smooth transition from top of reflector to bottom. Reflector flange visually integrates with housing.

Electrical

Vertically mounted, positive-latch, thermoplastic socket(s). Class P, thermally protected, high-power-factor electronic ballast(s).

Installation

PM: Pendant-mount entry provided for 3/8" National Pipe Thread stem. Swivel mounting accessories available.

ACC: Aircraft cable and cord mount provided with 10-ft. aircraft cable and black cord.

Listings

Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

ORDERING INFORMATION

Example: PDPF 4/32TRT 14AR MVOLT BL DWG ACC

Series	Number of Lamps/Lamp type		Aperture/Trim		Finish	Lens		Voltage	Housing ³		Decorative elements ▶▶▶	
PDPF	Number of Lamps	Lamp type	Aperture	Trim	(blank) Semi-specular LD Matte-diffuse	(blank) No lens CGL Clear glass lens T73 Tempered prismatic lens	MVOLT ²	BL Matte black SS Satin silver WH White	(blank) No glass DWG White glass DAG Amber glass DBG Blue glass			
	1/	26 TRT	14	AR Clear			120					
	2/	32 TRT		PR Pewter			277					
	3/	42 TRT		WTR Wheat			347					
	4/	57 TRT ¹										

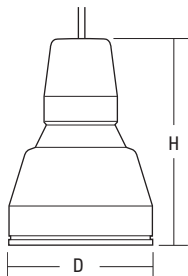
Mounting	Mounting accessories	Options
PM Pendant mount ⁴ ACC Aircraft cable and cord ⁵	CYS 3/8" stem and canopy w/ 5° hang straight swivel ⁶ CRS 3/8" stem and canopy w/45° swivel ⁶	For options and accessories, see pages 310-315.

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	APERTURE	DIAMETER (D)
PDPF	23 (58.4)	14 (35.3)	15-1/2 (39.4)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Available in 1- or 2-lamp only.
- Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60Hz.
- Additional architectural colors available; see pages 796-799 or see brochure 794.3.
- Available with CYS or CRS stem option only.
- Provided with 10-ft. aircraft cable and black cord. White cord standard when white pendant is ordered. Consult factory for additional lengths.
- For use with PM option only. Length of stem must be specified (from 12" to 48" in 2" even increments). EX: CYS12. Stems greater than 48", maximum 240"; provided with couplers. Consult factory for exterior use.

PRODUCT INFORMATION

Intended Use

High-performance pendant downlight with decorative accent features designed to add visual interest.

Construction

Decorative housing: Durable, heavy-gauge aluminum housing with polyester powder paint finish. Four-inch Elevations® offers the option of a glass shade made of pressed, colored glass with an acid-etched exterior finish and a matte white painted interior décor. Available in white, amber and blue.

Decorative elements:

Four configurations allow customization suitable in any space: No ring (no decorative element); Soft ring (subtle, formed aluminum band – polyester powder paint – black); Stacked rings (three injection-molded black acrylic rings); Gear (precision formed from solid aluminum – polyester powder paint – black).

Optics

Reflector system: Self-flanged semi-specular or matte-diffuse reflector. Patented optical design provides

lamp before lamp image and smooth transition from top of reflector to bottom. Reflector flange visually integrates with housing.

Electrical

Thermally protected, high-power-factor electronic ballast standard. Medium-base porcelain socket with nickel-plated screw shell.

Installation

Surface-mounted canopy attaches directly to 4" square or octagonal junction box and provides hands-free electrical connection. RC72: Black

cord is provided for electrical connection of luminaire to surface-mounted canopy (72" standard). SM: Luminaire is mounted directly to the surface-mounted canopy. WM: Luminaire is provided with a diminutive arm and ballast enclosure. Enclosure mounts directly to junction box.

Listings

Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

4" PDPH

Elevations™
Vertical Lamp
ED17
PAR



Example: PDPH 70M 4AR 120 SBG RC72

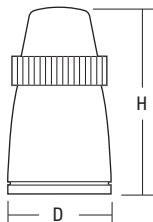
Series		Lamp type	Aperture/Trim		Finish	Voltage	Ballast
PDPH	Metal halide (ED17)		4	AR	Clear	120	(blank) Electronic ballast
	50M						
	70M		PR	Pewter	277 ⁴	EMB Electromagnetic ballast ⁴	
	Color-corrected metal halide (ED17)		WTR	Wheat	347 ^{4,5}		
	70MHC		WG	White glass ^{2,3}			
	Metal halide (PAR lamp) ¹		AG	Amber glass ^{2,3}			
	P2039MHC		BG	Blue glass ^{2,3}			
	P3039MHC						
	P3070MHC						
	Height/Housing/Decorative elements ^{6,7}			Mounting ⁷		Options	
Height	Housing⁶		Decorative elements⁷				
S Short	B Matte black	NR No ring	RC72 Reinforced cord mount	WLP With lamp (shipped separately)			
	S Satin silver	S Soft ring	SM Surface mount	LPFL Flood lamp (shipped separately)			
		C Stacked rings	WM Wall mount ⁸	GRS Recessed mounting frame			
		G Gear					

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	APERTURE	DIAMETER (D)
PDPH (aluminum)	10-1/4 (26.1)	4-3/8 (11.1)	5-7/8 (14.9)
PDPH (glass)	10-1/4 (26.1)	5-5/8 (14.3)	5-5/8 (14.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- Not available with glass shades.
- Not available with finishes.
- Available with ED17 lamp only.
- Available with GRS option only. Refer to page 313.
- Available with 50W and 70W EMB ballast option only.
- Additional architectural colors available; see pages 796-799 or see brochure 794.3.
- Refer to page 296 for decorative and mounting options.
- Available with 39W and 70W; 120V electronic ballast only.

8" PDPH

Elevations™
Vertical Lamp
ED17



Intended Use

High-performance pendant downlight with decorative accent features designed to add visual interest.

Construction

Decorative Housing: Durable, heavy-gauge aluminum housing with polyester powder paint finish. The housing is available in short or tall configurations to allow for a variety of ceiling height applications.

Decorative Elements: Four configurations allow custom-

ization suitable in any space: No ring (clean, simple form - no decorative element); soft ring (subtle, formed aluminum band - polyester powder paint - black); stacked rings (four injection-molded black acrylic rings); gear (precision formed from solid aluminum - polyester powder paint - black).

Optics

Self-flanged semi-specular or matte-diffuse reflector. Patented optical design provides lamp before lamp image and smooth transition from top of

reflector to bottom. Reflector flange visually integrates with housing.

Electrical

Thermally protected, high-power-factor electronic ballast standard. Medium-base porcelain socket with nickel-plated screw shell.

Installation

Surface-mounted canopy attaches directly to 4" square or octagonal junction box and provides hands-free electrical connection. RC72 - Black cord is provided for electrical

connection of luminaire to surface-mounted canopy (72" standard). SM - Luminaire is mounted directly to the surface-mounted canopy.

Listings

Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

ORDERING INFORMATION

Example: PDPH 100M 8AR 120 SBG RC72

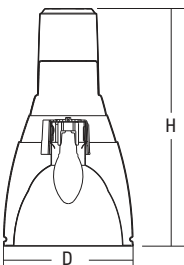
Series	Lamp type ¹	Aperture/Trim	Finish	Lens	Voltage		
PDPH	<u>Metal halide</u>	<u>Color-corrected metal halide</u>					
	50M	50MHC	Aperture Trim	(blank) No lens	120		
	70M	70MHC	8 AR Clear	CGL Clear glass lens	277		
	100M	100MHC	PR Pewter	T73 Tempered prismatic lens	347 ^{2,3}		
	150M	WTR Wheat	(blank) Semi-specular				
			LD Matte-diffuse				
Ballast		Height/Housing/Decorative elements ^{4,5}		Mounting ⁵		Options	
(blank) Electronic ballast		Height	Housing⁴	Decorative elements⁵	RC72 Cord mount (72" provided)	For options and accessories, see pages 310-315.	
EMB Electromagnetic ballast ²		S Short	B Matte black	NR No ring	SM Surface mount		
		T Tall	S Satin silver	S Soft ring			
				C Stacked rings			
				G Gear			

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H) (SHORT)	HEIGHT (H) (TALL)	APERTURE	DIAMETER (D)
PDPH	14-7/8 (37.7)	17-5/8 (44.8)	7-7/8 (20.1)	9-3/8 (23.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Recommended for use with coated lamps.
- 2 Available with GRS option only. Refer to page 313.
- 3 Available with EMB ballast only.
- 4 Additional architectural colors available; see pages 796-799 or see brochure 794.3.
- 5 Refer to page 296 for decorative and mounting options.

14" PDPH

Elevations™
Vertical Lamp
Metal Halide



Intended Use

High-performance pendant downlight with decorative accent features designed to add visual interest.

Construction

Decorative housing: Durable, heavy-gauge aluminum housing with polyester powder paint finish. Upper ballast module houses all gear, including available quartz restrike systems.

Decorative elements: Decorative glass refractor available in white, amber or blue. Glass is pressed, colored glass

with an acid-etched exterior finish and a matte white painted interior décor.

Optics

Self-flanged semi-specular or matte-diffuse reflector. Patented optical design provides lamp before lamp image and smooth transition from top of reflector to bottom. Reflector flange visually integrates with housing.

Electrical

Pre-wired, high-power-factor core-and-coil, "pulse start" ballast standard. Open-rated, mogul or

medium-base, pulse-rated porcelain socket with nickel-plated screw shell.

Installation

PM: Pendant-mount entry provided for 3/8" National Pipe Thread stem. Swivel mounting accessories available.

Listings

Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

ORDERING INFORMATION

Example: PDPH 150M 14AR 120 BL DWG PM CYS12

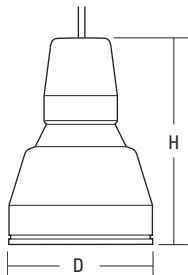
Series	Lamp type ¹	Aperture/Trim		Finish	Lens		Voltage	Ballast
PDPH	<u>Metal halide</u>	Aperture	Trim	(blank) Semi-specular	(blank) No lens	120	(blank) Pulse-start electromagnetic ballast	
	150M			LD Matte-diffuse	CGL Clear glass lens	208	HEB Electronic ballast ³	
	175M ²	PR Pewter	T73 Tempered prismatic lens	240				
	250M	WTR Wheat		277				
	320M			347				
	<u>Color-corrected metal halide</u>							
	150MHC							
	250MHC							
	320MHC							
Housing ⁴		Decorative elements		Mounting	Mounting accessories		Options	
BL	Matte Black	(blank)	No glass	PM	Pendant ⁵	CYS 3/8 stem and canopy w/5" hang straight ⁶	For options and accessories, see pages 310-315.	
SS	Satin Silver	DWG	White glass			CRS 3/8 stem and canopy w/45° swivel ⁶		
WH	White	DAG	Amber glass					
		DBG	Blue glass					

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	APERTURE	DIAMETER (D)
PDPH	23 (58.4)	14 (35.6)	15-1/2 (39.4)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Recommended for use with coated lamps.
- 2 Available with clear safety lens (CGL) only.
- 3 Available with 150W; 120V or 277V only.
- 4 Additional architectural colors available; see pages 796-799 or see brochure 794.3.
- 5 Available with CYS or CRS stem option only.
- 6 For use with PM option only. Length of stem must be specified (from 12" to 48" in 2" even increments). EX: CYS12. Stems greater than 48", maximum 240", provided with couplers. Consult factory for exterior use.

4" PDPA

Elevations™
Vertical Lamp
A19
PAR



Intended Use

High-performance pendant downlight with decorative accent features designed to add visual interest.

Construction

Decorative housing: Durable, heavy-gauge aluminum housing with polyester powder paint finish. Four-inch Elevations® offers the option of a glass shade made of pressed, colored glass with an acid-etched exterior finish and a matte white painted interior décor. Available in white, amber and blue.

Decorative elements:
Four configurations allow

customization suitable in any space: No ring (no decorative element); soft ring (subtle, formed aluminum band - polyester powder paint - black); stacked rings (three injection-molded black acrylic rings); gear (precision formed from solid aluminum - polyester powder paint - black).

Optics

Self-flanged semi-specular, matte-diffuse or specular reflector. Patented optical design provides lamp before lamp image and smooth transition from top of reflector to bottom. Reflector

flange visually integrates with housing.

Electrical

Medium-base porcelain socket with nickel-plated screw shell.

Installation

Surface-mounted canopy attaches directly to 4" square or octagonal junction box and provides hands-free electrical connection.

RC120: Black cord is provided for electrical connection of luminaire to surface-mounted canopy (120" standard). SM: Luminaire is mounted directly to the

surface-mounted canopy. WM: Luminaire is provided with a diminutive arm and hardware for mounting directly to junction box.

Listings

Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

ORDERING INFORMATION

Example: PDPA 4AR SSNR RC120

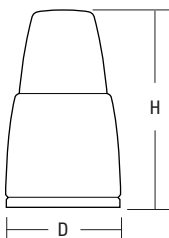
Series	Lamp type	Aperture/Trim	Finish	Height/Housing/Decorative elements ^{4,5}
PDPA	(blank) A Lamp (100W max)	Aperture	(blank) Semi-specular	Height
	PAR20 PAR20 (50W max) ¹	4	LD Matte-diffuse	S Short
	PAR30 PAR30 (75W max) ¹	Trim	LS Specular	Housing⁴
		<u>Trim color</u>		B Matte black S Satin silver
		AR Clear		Decorative elements⁵
		PR Pewter		NR No ring
		WTR Wheat		S Soft ring
		GR Gold		C Stacked ring
		<u>Glass shade</u>		G Gear
		WG White glass ^{2,3}		
		AG Amber glass ^{2,3}		
		BG Blue glass ^{2,3}		
Mounting⁵			Options	
RC120 Cord mount (120" provided)			For options and accessories, see pages 310-315.	
SM Surface mount				

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	HEIGHT (H)	APERTURE	DIAMETER (D)
PDPA (aluminum)	10-1/4 (26.1)	4-5/16 (11.0)	5-7/8 (14.9)
PDPA (glass)	10-1/4 (26.1)	5-5/8 (14.3)	5-5/8 (14.3)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Not available with glass shades.
- 2 Not available with finishes.
- 3 Available with A lamp only.
- 4 Additional architectural colors available; see pages 796-799 or see brochure 794.3.
- 5 Refer to page 296 for decorative and mounting options.

PRODUCT INFORMATION

Intended Use

High-performance pendant downlight with decorative accent features designed to add visual interest.

Construction

Decorative Housing: Durable, heavy-gauge aluminum housing with polyester powder paint finish. The housing is available in short or tall configurations to allow for a variety of ceiling height applications.

Decorative Elements: Four configurations allow customization suitable in any space: No ring (clean, simple form

- no decorative element); Soft ring (subtle, formed aluminum band - polyester powder paint - black); Stacked rings (four injection-molded black acrylic rings); Gear (precision formed from solid aluminum - polyester powder paint - black).

Optics

Self-flanged semi-specular, matte-diffuse or specular reflector. Patented optical design provides lamp before lamp image and smooth transition from top of reflector to bottom. Reflector flange visually integrates with housing.

Electrical

Medium-base porcelain socket with nickel-plated screw shell.

Installation

Surface-mounted canopy attaches directly to 4" square or octagonal junction box and provides hands-free electrical connection. RC120 - Black cord is provided for electrical connection of luminaire to surface-mounted canopy (120" standard). SM - luminaire is mounted directly to the surface-mounted canopy.

Listings

Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050).

8" PDPA

Elevations™
Vertical Lamp

A21

A23

PS25



Example: PDPA 8AR SSS RC120

ORDERING INFORMATION

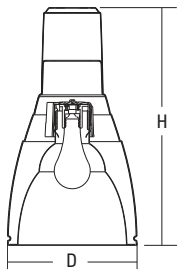
Series	Aperture/Trim ⁴		Finish		Lens ¹		Height/Housing/Decorative elements ^{2,3}						
PDPA	Aperture ⁴ 8	Trim	(blank)	Semi-specular	(blank)	No lens	Height	Housing²		Decorative elements³			
		AR	Clear	LD	Matte-diffuse	CGL	Clear glass lens	S	Short	B	Matte black	NR	No ring
		PR	Pewter	LS	Specular	T73	Tempered prismatic lens	T	Tall	S	Satin silver	S	Soft ring
		WTR	Wheat									C	Stacked rings
	GR	Gold									G	Gear	
Mounting³			Options										
RC120	Cord mount (120" provided)		For options and accessories, see pages 310-315.										
SM	Surface mount												

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE/LAMP	HEIGHT (H) (SHORT)	HEIGHT (H) (TALL)	APERTURE	DIAMETER (D)
PDPA	300W PS25	14-7/8 (37.7)	17-5/8 (44.8)	7-7/8 (20.1)	9-3/8 (23.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

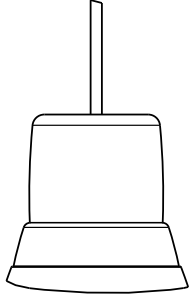
- 1 Maximum lamp wattage for lensed units is 200W.
- 2 Additional architectural colors available; see pages 796-799 or see brochure 794.3.
- 3 Refer to page 296 for decorative and mounting options.
- 4 Refer to chart for maximum wattage availability.

PRODUCT INFORMATION

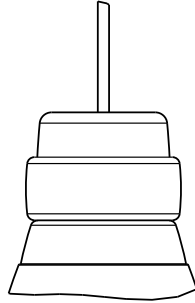
8" PDP

Elevations™

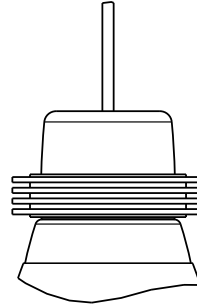
Decorative Elements and Mounting Configurations¹



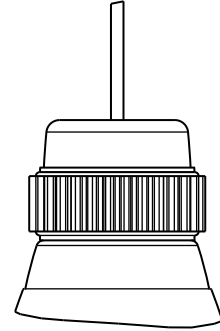
NR - No ring



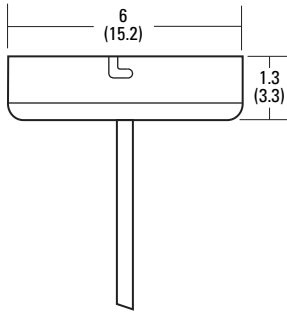
S - Soft ring



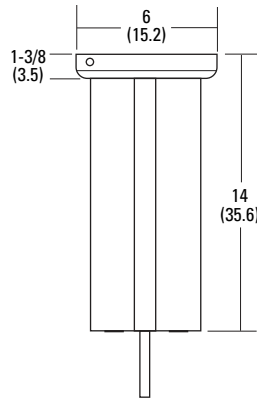
C - Stacked rings



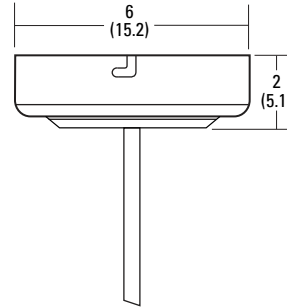
G - Gear



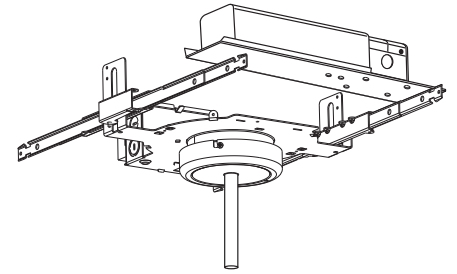
PDPA/PDPF-Candéo®, Ice™
Mounting canopy attaches directly to J-box
RC120 (120" cord provided)



PDPH/PDPF EL²
Mounting canopy attaches directly to J-box
RC120 (120" cord provided)

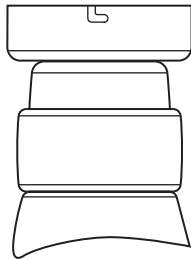


PDPF - Vertical
Mounting canopy attaches directly to J-box
RC120 (120" cord provided)

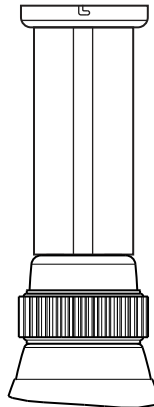


GRS
Recessed mounting frame option
RC120

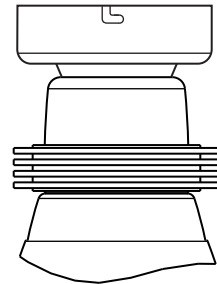
Length	Width	Height
20-1/4 (51.4)	17-3/4 (45.1)	9 (22.9)



PDPA/PDPF-Candéo®, Ice™
Mounting canopy attaches directly to J-box
SM



PDPH/PDPF EL
Mounting canopy attaches directly to J-box
SM



PDPF - Vertical
Mounting canopy attaches directly to J-box
SM

Notes

- For 4" mounting options, refer to specification sheet.
- Only available with PDPF 1-lamp vertical luminaire.

Intended Use

Pendant, surface and wall-mounted cylinders provide general illumination with superior brightness control. Appropriate for interior applications with mid to high ceilings, such as atriums and auditoriums.

Construction

Heavy-gauge aluminum housing with top deck for clean appearance.

Optics

Self-flanged semi-specular or matte-diffuse reflector sets

flush with cylinder housing for clean, one-piece appearance. Patented optical design provides lamp before lamp image and smooth transition from top of reflector to bottom for optimal performance and efficiency.

Electrical

Vertically mounted, positive-latch, thermoplastic socket. Class P, thermally protected, high-power-factor electronic ballast.

Installation

Ceiling mount (standard)

offers patented quick-mount attachment plate for direct installation to 4" square or octagonal junction box. Optional pendant mount provided with mounting hub for 3/8" thread stem and wall mount provided with mounting means for direct installation to 4" square or octagonal junction box.

Listings

Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards. Patented Vertisys® - Bounding Ray™

Optical Principle (U.S. Patent No. 5,800,050) and quick-mount installation (U.S. Patent No. 4,300,190).

CFV

Vertical Lamp
Double Twin-Tube (DTT)
Triple-Tube (TRT)



Example: CFV9 26TRT 8AR 120 DWHG

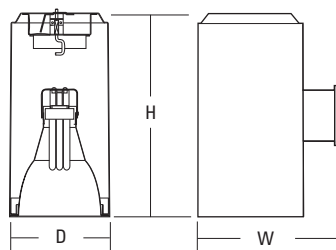
ORDERING INFORMATION		Example: CFV9 26TRT 8AR 120 DWHG			
Series ¹	Lamp type	Aperture/Trim		Finish	Voltage
CFV8 ²	13DTT	Aperture Trim		(blank) Semi-specular	MVOLT ⁴
CFV9 ³	18DTT	6	AR Clear	LD Matte-diffuse	120
	26DTT	8	PR Pewter		277
	18TRT		WTR Wheat		347
	26TRT				
	32TRT				
	42TRT				
▶ Mounting		Housing ⁵		Options	
(blank)	Ceiling mount	DWHG	Matte white (standard)	For options and accessories, see pages 310-315.	
PM	Pendant 3/8" thread mount	DDB	Dark bronze		
WM	Wall mount	DBL	Black		
		DNA	Natural aluminum		
		DWH	Gloss white		
		DTG	Tennis green		
		DGC	Charcoal grey		
		DSS	Sandstone		

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	APERTURE	DIAMETER (D)	HEIGHT (H)	WALL MOUNT WIDTH (W)
CFV8	6 (15.2)	7-5/8 (19.4)	15-1/2 (39.4)	10-7/8 (27.6)
CFV9	8 (20.3)	9-3/8 (23.8)	16 (40.6)	12-5/8 (32.1)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Matte white finish (DWHG) standard.
- 2 Available in 6" aperture only.
- 3 Available in 8" aperture only.
- 4 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60HZ.
- 5 Additional architectural colors available; see pages 796-799 or see brochure 794.3.

CFVL

Vertical Lamp
Double Twin-Tube (DTT)
Triple-Tube (TRT)



Intended Use
Pendant, surface, and wall-mounted cylinders provide general illumination with superior brightness control. Appropriate for interior applications with mid to high ceilings, such as atriums and auditoriums. Surface and wall-mount products suitable for covered exterior applications.

Construction
Heavy-gauge aluminum housing with top deck for clean appearance. Door assembly

retained by two self-aligning torsion support springs.

Optics
White-painted upper reflector with regressed door (RW) or stepped black baffle (SB) sets flush with cylinder housing for clean, one-piece appearance. Available with tempered prismatic lens (T73), flat Fresnel lens (FFL) or flat opal lens (FOL).

Electrical
Vertically mounted, positive-latch thermoplastic

socket. Class P, thermally protected, high-power-factor electronic ballast.

Installation
Ceiling mount (standard) offers patented quick-mount attachment plate for direct installation to 4" square or octagonal junction box. Optional pendant mount provided with mounting hub for 3/8" thread stem, and wall mount provided with mounting means for direct installation to 4" square or octagonal junction box.

Listings
Fixtures are UL Listed for wet locations. Optional pendant mount and wall mount fixtures are UL Listed for non-covered ceiling installations. Listed and labeled to comply with Canadian Standards.

ORDERING INFORMATION

Example: CFVL9 26TRT 8RW T73 120 DWHG

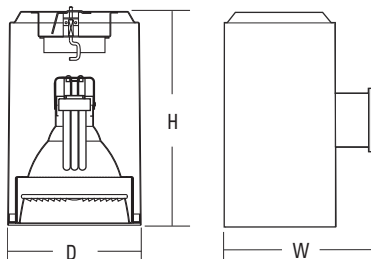
Series ¹	Lamp type	Aperture/Door		Lens	Voltage	Mounting		Options	Housing ⁶	
CFVL8 ²	26DTT ⁴	Aperture	Door	T73 Tempered prismatic lens	MVOLT ⁵	(blank)	Ceiling mount	For options and accessories, see pages 310-315.	DWHG	Matte white (standard)
CFVL9 ³	18TRT	6	RW Regressed door	FFL Flat Fresnel lens	120	PM	Pendant 3/8" thread mount		DDB	Dark bronze
	26TRT	8	SB Stepped black baffle	FOL Flat opal lens	277				DBL	Black
	32TRT				347	WM	Wall mount		DNA	Natural aluminum
	42TRT								DWH	Gloss white
									DTG	Tennis green
									DGC	Charcoal grey
									DSS	Sandstone

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	APERTURE	DIAMETER (D)	HEIGHT (H)	WALL MOUNT WIDTH (W)
CFVL8	6 (15.2)	7-5/8 (19.4)	15-1/2 (39.4)	10-7/8 (27.6)
CFVL9	8 (20.3)	9-3/8 (23.8)	16 (40.6)	12-5/8 (32.1)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Matte white finish (DWHG) standard.
- 2 Available in 6" aperture only.
- 3 Available in 8" aperture only.
- 4 Ships as a TRT fixture.
- 5 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60HZ.
- 6 Additional architectural colors available; see pages 796-799 or see brochure 794.3.

Intended Use

Pendant, surface and wall-mounted cylinders provide general illumination with superior brightness control. Appropriate for interior applications with mid to high ceilings, such as atriums and auditoriums.

Construction

Heavy-gauge aluminum housing with integral bottom deck for clean appearance. Reveal on standard ceiling-mount fixture provides floating luminaire appearance.

Optics

Self-flanged semi-specular or matte-diffuse reflector. Patented optical design provides lamp before lamp image and smooth transition from top of reflector to bottom for optimal performance and efficiency.

Electrical

Horizontally mounted, positive-latch, thermoplastic socket(s). Class P, thermally protected, high-power-factor electronic ballast(s).

Installation

Ceiling mount (standard) provided with mounting means for direct installation to 4" square or octagonal junction box. Optional pendant mount provided with mounting hub for 3/8" thread stem, and wall mount provided with mounting means for direct installation to 4" square or octagonal junction box.

Listings

Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle (U.S. Patent No. 5,800,050).

CF

Horizontal Lamp
Double Twin-Tube (DTT)
Triple-Tube (TRT)



Example: CF11 2/26TRT 10AR 120 DWHG

ORDERING INFORMATION

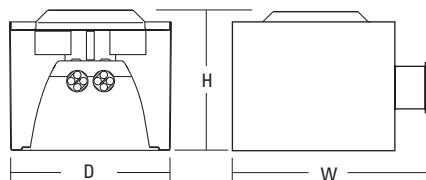
Series ¹	Number of lamps/ Lamp type		Aperture/Trim ⁶		Finish	Voltage	Mounting		Options	Housing ⁸					
CF10 ²	Number of lamps	Lamp type	Aperture ⁶	Trim	(blank)	MVOLT ⁷	(blank)	Ceiling mount	For options and accessories, see pages 310-315.	DWHG	Matte white (standard)				
CF11 ³					6	AR	Clear	LD		120	PM	Pendant 3/8" thread mount	DDB	Dark bronze	
					1/	13DTT	8	PR		Pewter	277	WM	Wall mount	DBL	Black
					2/	18DTT	10	WTR		Wheat	347		DNA	Natural aluminum	
					3/4	26DTT							DWH	Gloss white	
		18TRT						DTG	Tennis green						
		26TRT							DGC	Charcoal grey					
		32TRT							DSS	Sandstone					
		42TRT													
		57TRT ⁵													

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	APERTURE	NUMBER OF LAMPS/ LAMP TYPE	DIAMETER (D)	HEIGHT (H)	WALL MOUNT WIDTH (W)
CF10	6 (15.2)	1 or 2 DTT/1 TRT	9-3/4 (24.8)	9-5/8 (24.4)	13 (33.0)
CF11	8 (20.3)	1 or 2 DTT/1 TRT	10-3/4 (27.3)	9-1/2 (24.1)	14 (35.6)
CF11	10 (25.4)	1, 2 or 3 DTT/1 or 2 TRT	11-1/2 (29.2)	10-1/4 (26.0)	14-3/4 (37.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Matte white finish (DWHG) standard.
- 2 Available in 6" aperture only.
- 3 Available in 8" or 10" aperture only.
- 4 Available in 10" aperture DTT lamps only.
- 5 Available in 1-lamp 10" aperture only.
- 6 Refer to chart for number of lamps and lamp type availability.
- 7 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60HZ.
- 8 Additional architectural colors available; see pages 796-799 or see brochure 794.3.

PRODUCT INFORMATION

CFZ

Horizontal Lamp Double Twin-Tube (DTT)



Intended Use
Provides general illumination with low to mid-height ceilings for use in corridors, rest-rooms, retail areas and office areas. Cross baffle controls brightness and complements parabolic luminaires.

Construction
Heavy-gauge aluminum housing with integral bottom deck for clean appearance. Reveal on standard ceiling-mount fixture provides floating luminaire appearance.

Optics
Self-flanged semi-specular or matte-diffuse cross baffle and specular upper reflector provides optimal brightness control and efficiency.

Electrical
Horizontally mounted, positive-latch, thermoplastic sockets. Class P, thermally protected, high-power-factor electronic ballast(s).

Installation
Ceiling mount (standard) provided with mounting

means for direct installation to 4" square or octagonal junction box. Optional pendant mount provided with mounting hub for 3/8" thread stem, and wall mount provided with mounting means for direct installation to 4" square or octagonal junction box.

Listings
Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards.

ORDERING INFORMATION

Example: CFZ11 2/26DTT 84A 120 DWHG

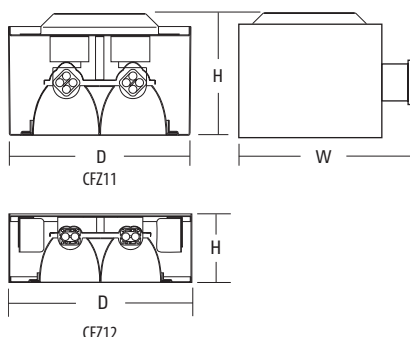
Series ¹	Number of lamps/Lamp type	Aperture/Trim	Finish	Voltage	Mounting	Options	Housing ⁴		
CFZ11	Number of lamps 2/	Lamp type 13DTT 18DTT 26DTT	Aperture 8	Trim 4A Clear 4P Pewter 4WT Wheat	(blank) Semi-specular LD Matte-diffuse	MVOLT ³ 120 277 347	(blank) Ceiling mount PM Pendant 3/8" thread mount WM Wall mount	For options and accessories, see pages 310-315.	DWHG Matte white (standard)
CFZ12 ²									DDB Dark bronze
									DBL Black
									DNA Natural aluminum
									DWH Gloss white
									DTG Tennis green
									DGC Charcoal grey
									DSS Sandstone

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	APERTURE	DIAMETER (D)	HEIGHT (H)	WALL MOUNT WIDTH (W)
CFZ11	8 (20.3)	10-3/4 (27.3)	7-1/4 (18.4)	14 (35.6)
CFZ12	8 (20.3)	12 (30.5)	4-1/2 (11.4)	N/A

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Matte white finish (DWHG) standard.
- 2 Available in ceiling-mounted units only.
- 3 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60HZ.
- 4 Additional architectural colors available; see pages 796-799 or see brochure 794.3.

PRODUCT INFORMATION

Intended Use

Pendant, surface and wall-mounted cylinders provide general illumination with superior brightness control. Appropriate for interior applications with mid to high ceilings, such as atriums and auditoriums. Surface and wall-mount products suitable for covered exterior applications.

Construction

Heavy-gauge aluminum housing with integral bottom

deck for clean appearance. Reveal on standard ceiling-mount fixture provides floating luminaire appearance. Door assembly retained by two self-aligning torsion support springs.

Optics

White-painted upper reflector with regressed door (RW) or stepped black baffle (SB) sets flush with cylinder housing for clean, one-piece appearance. Available with tempered prismatic lens

(T73), flat Fresnel lens (FFL) or flat opal lens (FOL).

Electrical

Horizontally mounted, positive-latch thermoplastic socket(s). Class P, thermally protected, high-power-factor electronic ballast(s).

Installation

Ceiling mount (standard) provided with mounting means for direct installation to 4" square or octagonal junction box. Optional

pendant mount provided with mounting hub for 3/8" thread stem, and wall mount provided with mounting means for direct installation to 4" square or octagonal junction box.

Listings

Fixtures are UL Listed for wet locations. Optional pendant mount and wall mount fixtures are UL Listed for non-covered ceiling installations. Listed and labeled to comply with Canadian Standards.

CFL

Horizontal Lamp Double Twin-Tube (DTT) Triple-Tube (TRT)



Example: CFL10 1/26TRT 6RW T73 120 DWHG

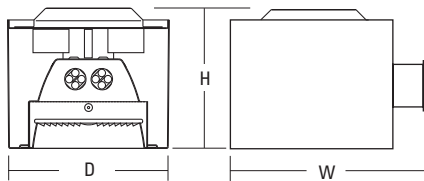
Series	Number of lamps/Lamp type	Aperture/Door	Lens	Voltage	Mounting	Options	Housing ⁶		
CFL10 ²	Number of lamps 1/ 2/ ³	Lamp type 26DTT ⁴ 18TRT 26TRT 32TRT 42TRT	Aperture 6 8	Door RW Regressed door SB Stepped black baffle	T73 Tempered prismatic lens	MVOLT ⁵ 120 277 347	(blank) Ceiling mount PM Pendant 3/8" thread mount WM Wall mount	For options and accessories, see pages 310-315.	DWHG Matte white (standard)
CFL11 ³					FFL Flat Fresnel lens				DDB Dark bronze
				FOL Flat opal lens				DBL Black	
								DNA Natural aluminum	
								DWH Gloss white	
								DTG Tennis green	
								DGC Charcoal grey	
								DSS Sandstone	

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	APERTURE	DIAMETER (D)	HEIGHT (H)	WALL MOUNT WIDTH (W)
CFL10	6 (15.2)	9-3/4 (24.8)	9-5/8 (24.4)	13 (33.0)
CFL11	8 (20.3)	10-3/4 (27.3)	9-1/2 (29.2)	14 (35.6)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- 1 Matte white finish (DWHG) standard.
- 2 Available in 6" aperture only.
- 3 Available in 8" aperture only.
- 4 Requires a four-pin lamp; ships as a TRT fixture.
- 5 Multi-volt electronic ballast capable of operating on any line voltage from 120V through 277V, 50 or 60Hz.
- 6 Additional architectural colors available; see pages 796-799 or see brochure 794.3.

PRODUCT INFORMATION

C
Vertical Lamp



Intended Use
Pendant, surface and wall-mounted cylinders provide general illumination with superior brightness control. Appropriate for interior applications with mid to high ceilings, such as atriums and auditoriums. Surface and wall-mount products suitable for covered exterior applications.

Construction
Heavy-gauge aluminum housing with top deck for

clean appearance. Reveal on ceiling-mount fixture provides floating luminaire appearance.

Optics
Self-flanged semi-specular or matte-diffuse reflector provides optimally balanced brightness control and efficiency.

Electrical
Porcelain socket with nickel-plated screw shell.

Pre-wired, high-power-factor, pulse-start ballast mounted to removable power tray with quick disconnect for ease of installation/maintenance.

Installation
Ceiling mount on 11" and 13" fixtures provided with mounting means for direct installation to 4" square or octagonal junction box; 15" fixture provided with mounting means for direct instal-

lation to building structure. Pendant mount provided with mounting hub for 3/8" thread stem. Wall mount provided with mounting means for direct installation to building structure.

Listings
UL Listed for damp location (11" and 13"). UL Listed for wet locations for non-covered ceiling installations (15"). Listed and labeled to comply with Canadian Standards.

ORDERING INFORMATION

Example: CC13 175M AR 120 SCWA DWHG

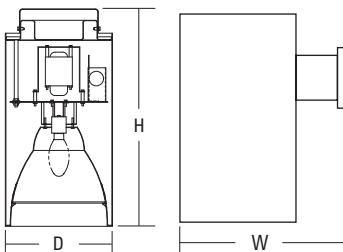
Series/Aperture ^{1,3}		Lamp type ⁴		Trim		Finish		Voltage	Ballast	Options	Housing ⁷	
Series¹	Aperture³	<u>Metal halide</u>	<u>Color-corrected metal halide⁵</u>	AR	Clear	(blank)	Semi-specular	120	SCWA	Pulse-start ⁶ For options and accessories, see pages 310-315.	DWHG	Matte white (standard)
CC	Ceiling mount	11	50M ⁵	50MHC	PR	Pewter	LD	208	Matte-diffuse		DDB	Dark bronze
CP	Pendant mount ²	13	70M ⁵	70MHC	WTR	Wheat		240			DBL	Black
CW	Wall mount	15	100M ⁵	100MHC				277			DNA	Natural aluminum
			150M ⁵	150MHC			347		DWH		Gloss white	
			175M ⁵	250MHC					DTG		Tennis green	
			250M ⁵	320MHC					DGC		Charcoal grey	
			320M ⁵						DSS		Sandstone	
			350M ⁵									
			400M									

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE	DIAMETER (D)	HEIGHT (H)	WALL MOUNT WIDTH (W)
CC11	100	11-1/8 (28.3)	22-1/2 (57.2)	16 (40.6)
CC13	250	13-1/8 (33.3)	24-1/2 (62.2)	18 (45.7)
CC15	400	15-1/4 (38.7)	25-1/2 (64.8)	20-1/8 (51.1)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Matte white finish (DWHG) standard.
- 2 3/8" thread mount; order stem separately.
- 3 Refer to chart for maximum wattage availability.
- 4 150W and lower metal halide lamps use medium-base socket. Recommended for use with coated lamps.
- 5 Tempered safety lens provided.
- 6 Pulse-start standard on 50M-100M.
- 7 Additional architectural colors available; see pages 796-799 or see brochure 794.3.

PRODUCT INFORMATION

Intended Use

Pendant, surface and wall-mounted cylinders provide general illumination with superior brightness control. Appropriate for interior applications with mid to high ceiling applications such as atriums and auditoriums. Surface and wall-mount products suitable for exterior applications.

Construction

Heavy-gauge aluminum

housing with top deck for clean appearance.

Optics

Specular upper reflector. Regressed aluminum door frame with Fresnel lens seat flush with cylinder housing for clean, one-piece appearance.

Electrical

Porcelain socket with nickel-plated screw shell. Pre-wired, high-power-factor, pulse-start ballast mounted to

removable power tray with quick disconnect for ease of installation/maintenance.

Installation

Ceiling mount and wall mount on 10" fixture provided with mounting means for direct installation to 4" square or octagonal junction box; 13" fixture provided with mounting means for direct installation to building structure. Pendant mount

provided with mounting hub for 3/8" thread stem.

Listings

Fixtures are UL Listed for wet locations for non-covered ceiling installations. Listed and labeled to comply with Canadian Standards.

CE

Vertical Lamp



Example: CEW13 175M 120 SCWA DWHG

ORDERING INFORMATION

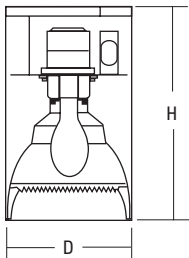
Series/Aperture ^{1,3}		Lamp type ⁴		Voltage	Ballast	Options	Housing ⁶	
Series¹	Aperture³	<u>Metal halide</u>	<u>Color-corrected metal halide</u>	120	SCWA	Pulse-start ⁵	For options and accessories, see pages 310-315.	
CEC	Ceiling mount	10	50M	208			DWHG	Matte white (standard)
CEP	Pendant mount ²	13	70M	240			DDB	Dark bronze
CEW	Wall mount		100M	70MHC	277		DBL	Black
			150M	100MHC	347		DNA	Natural aluminum
			175M	150MHC			DWH	Gloss white
			250M	250MHC			DTG	Tennis green
						DGC	Charcoal grey	
						DSS	Sandstone	

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE	DIAMETER (D)	HEIGHT (H)	WALL MOUNT WIDTH (W)
CEC10	100	10 (25.4)	18-1/4 (46.4)	13-1/8 (33.3)
CEC13	250	13 (33.0)	23-3/8 (59.4)	17-7/8 (45.4)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- 1 Matte white finish (DWHG) standard.
- 2 3/8" thread mount; order stem separately.
- 3 Refer to chart for maximum wattage availability.
- 4 150W and lower metal halide lamps use medium-base socket. Recommended for use with coated lamps.
- 5 Pulse-start standard on 50M-100M.
- 6 Additional architectural colors available; see pages 796-799 or see brochure 794.3.

PRODUCT INFORMATION

CA

Vertical Lamp PAR38



Intended Use
Pendant, surface and wall-mounted cylinders provide general illumination with superior brightness control. Appropriate for interior applications with mid to high ceilings, such as atriums and auditoriums.

Construction
Heavy-gauge aluminum housing.

Optics
Black baffle formed into housing provides clean appearance.

Electrical
Medium-base porcelain socket with nickel-plated screw shell.

Installation
Ceiling mount (standard) provided with mounting means for direct installation to 4" octagonal junction box. Optional pendant mount provided with mounting hub for 3/8" thread stem and wall mount provided with mounting means for direct installation to 2" x 4" handy box.

Listings
Fixtures are UL Listed for damp locations. Optional wall mount fixture is UL Listed for wet locations for non-covered ceiling installations. Listed and labeled to comply with Canadian Standards.

ORDERING INFORMATION

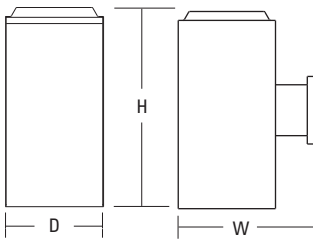
Example: CA6 6MB DWHG

Series ¹	Aperture/Trim ⁴	Mounting	Options	Housing ³																										
CA6	<table border="1"> <thead> <tr> <th>Aperture⁴</th> <th>Trim</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>MB Black baffle</td> </tr> </tbody> </table>	Aperture ⁴	Trim	6	MB Black baffle	<table border="1"> <tbody> <tr> <td>(blank)</td> <td>Ceiling mount</td> </tr> <tr> <td>PM</td> <td>Pendant 3/8" thread mount</td> </tr> <tr> <td>WM</td> <td>Wall mount²</td> </tr> </tbody> </table>	(blank)	Ceiling mount	PM	Pendant 3/8" thread mount	WM	Wall mount ²	For options and accessories, see pages 310-315.	<table border="1"> <tbody> <tr> <td>DWHG</td> <td>Matte white (standard)</td> </tr> <tr> <td>DDB</td> <td>Dark bronze</td> </tr> <tr> <td>DBL</td> <td>Black</td> </tr> <tr> <td>DNA</td> <td>Natural aluminum</td> </tr> <tr> <td>DWH</td> <td>Gloss white</td> </tr> <tr> <td>DTG</td> <td>Tennis green</td> </tr> <tr> <td>DGC</td> <td>Charcoal grey</td> </tr> <tr> <td>DSS</td> <td>Sandstone</td> </tr> </tbody> </table>	DWHG	Matte white (standard)	DDB	Dark bronze	DBL	Black	DNA	Natural aluminum	DWH	Gloss white	DTG	Tennis green	DGC	Charcoal grey	DSS	Sandstone
Aperture ⁴	Trim																													
6	MB Black baffle																													
(blank)	Ceiling mount																													
PM	Pendant 3/8" thread mount																													
WM	Wall mount ²																													
DWHG	Matte white (standard)																													
DDB	Dark bronze																													
DBL	Black																													
DNA	Natural aluminum																													
DWH	Gloss white																													
DTG	Tennis green																													
DGC	Charcoal grey																													
DSS	Sandstone																													

ADDITIONAL INFORMATION For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE/LAMP ²	DIAMETER (D)	HEIGHT (H)	WALL MOUNT WIDTH (W)
CA6	150W PAR38	5-7/8 (14.9)	9-5/8 (24.4)	7-1/4 (18.4)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Matte white finish (DWHG) standard.
- 2 Maximum wattage for wall mount option is Q250W PAR38.
- 3 Additional architectural colors available; see pages 796-799 or see brochure 794.3.
- 4 Refer to chart for maximum wattage availability.

CA Vertical Lamp



Intended Use
Pendant, surface and wall-mounted cylinders provide general illumination with superior brightness control. Appropriate for interior applications with mid to high ceilings, such as atriums and auditoriums.

Construction
Heavy-gauge aluminum housing with top deck for clean appearance.

Optics
Self-flanged semi-specular, matte-diffuse or specular

reflector sets flush with cylinder housing for clean, one-piece appearance. Patented optical design provides lamp before lamp image and smooth transition from top of reflector to bottom for optimal performance and efficiency.

Electrical
Die-cast aluminum socket housing. Medium-base porcelain socket with nickel-plated screw shell.

Installation
Ceiling mount (standard) offers patented quick-mount attachment plate for direct installation to 4" square or octagonal junction box. Optional pendant mount provided with mounting hub for 3/8" thread stem, and wall mount provided with mounting means for direct installation to 4" square or octagonal junction box.

Listings
Fixtures are UL Listed for damp locations. Listed and

labeled to comply with Canadian Standards. Patented Bounding Ray™ Optical Principle (U.S. Patent No. 5,800,050) and quick-mount installation (U.S. Patent No. 4,300,190).

ORDERING INFORMATION

Example: CA8 6AR DWHG

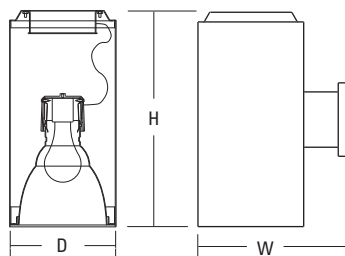
Series ¹	Lamp type	Aperture/Trim ⁷	Finish	Mounting	Options	Housing ⁶
CA8 ²	(blank) A19, A21, A23, PS25 lamp	Aperture⁷ Trim	(blank) Semi-specular	(blank) Ceiling mount	For options and accessories, see pages 310-315.	DWHG Matte white (standard)
CA9 ³	PAR30 PAR30 (75W max.) ² PAR38 PAR 38 (Q250W max.) ³	6 AR Clear 8 BR Black ⁴ PR Pewter WTR Wheat MB Black baffle ^{4,5} WB White baffle ^{4,5} GR Gold	LD Matte-diffuse LS Specular	PM Pendant 3/8" thread mount WM Wall mount		DDB Dark bronze DBL Black DNA Natural aluminum DWH Gloss white DTG Tennis green DGC Charcoal grey DSS Sandstone

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE/LAMP	APERTURE	DIAMETER (D)	HEIGHT (H)	WALL MOUNT WIDTH (W)
CA8	150W A21	6 (15.2)	7-5/8 (19.4)	15-1/2 (39.4)	10-7/8 (27.6)
CA8	75W PAR30	6 (15.2)	7-5/8 (19.4)	15-1/2 (39.4)	10-7/8 (27.6)
CA9	300W PS25	8 (20.3)	9-3/8 (23.8)	16 (40.6)	12-5/8 (32.1)
CA9	Q250W PAR38	8 (20.3)	9-3/8 (23.8)	16 (40.6)	12-5/8 (32.1)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Matte white finish (DWHG) standard.
- 2 Available in 6" aperture only.
- 3 Available in 8" aperture only.
- 4 Not available with finishes.
- 5 Not available with PAR30 and PAR38 lamp types.
- 6 Additional architectural colors available; see pages 796-799 or see brochure 794.3.
- 7 Refer to chart for maximum wattage availability.

CAL

Vertical Lamp



Intended Use
Pendant, surface and wall-mounted cylinders provide general illumination with superior brightness control. Appropriate for interior applications with mid to high ceilings, such as atriums and auditoriums.

Construction
Heavy-gauge aluminum housing with top deck for clean appearance.

Optics
White-painted upper reflector with regressed door (RW) or stepped black baffle (SB) sets flush with cylinder housing for clean, one-piece appearance. Available with tempered prismatic lens (T73) flat Fresnel lens (FFL) or flat opal lens (FOL).

Electrical
Die-cast aluminum socket housing. Medium-base

porcelain socket with nickel-plated screw shell.

Installation
Ceiling mount (standard) offers patented quick-mount attachment plate for direct installation to 4" square or octagonal junction box. Optional pendant mount provided with mounting hub for 3/8" thread stem, and wall mount provided with mounting means for direct

installation to 4" square or octagonal junction box.

Listings
Fixtures are UL Listed for wet locations. Optional pendant mount and wall mount fixtures are UL Listed for non-covered ceiling installations. Listed and labeled to comply with Canadian Standards.

ORDERING INFORMATION

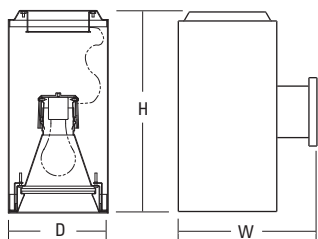
Example: CAL8 6RW T73 DWHG

Series ¹	Aperture/Door ⁵	Lens	Mounting	Options	Housing ⁴
CAL8 ²	Aperture⁵ Door	T73 Tempered prismatic lens	(blank) Ceiling mount	For options and accessories, see pages 310-315.	DWHG Matte white (standard)
CAL9 ³	6 RW Regressed door	FFL Flat Fresnel lens	PM Pendant 3/8" thread mount		DDB Dark bronze
	8 SB Stepped black baffle	FOL Flat opal lens	WM Wall mount		DBL Black
					DNA Natural aluminum
					DWH Gloss white
					DTG Tennis green
					DGC Charcoal grey
					DSS Sandstone

ADDITIONAL INFORMATION For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE/LAMP	APERTURE	DIAMETER (D)	HEIGHT (H)	WALL MOUNT WIDTH (W)
CAL8	150W A21	6 (15.2)	7-5/8 (19.4)	15-1/2 (39.4)	10-7/8 (27.6)
CAL9	200W A23	8 (20.3)	9-3/8 (23.8)	16 (40.6)	12-5/8 (32.1)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Matte white finish (DWHG) standard.
- 2 Available in 6" aperture only.
- 3 Available in 8" aperture only.
- 4 Additional architectural colors available; see pages 796-799 or see brochure 794.3.
- 5 Refer to chart for maximum wattage availability.

Intended Use

Pendant, surface, and wall-mounted cylinders provide general illumination with superior brightness control. Appropriate for interior applications with mid to high ceilings, such as atriums or auditoriums.

Construction

Heavy-gauge aluminum housing with top deck for clean appearance. Reveal on ceiling-mount fixture

provides floating luminaire appearance.

Optics

Clear, semi-specular upper reflector and self-flanged semi-specular, matte-diffuse, or specular lower reflector provide optimal efficiency and excellent glare control while maintaining a smooth beam pattern free of hot spots and striations. Three preset distributions available allow-

ing various design objectives. Safety lens that reduces UV emissions provided.

Electrical

Extruded aluminum socket housing provides effective heat dissipation. Heavy-duty, mini-can socket for T4 lamps.

Installation

Ceiling mount (standard) provided with means for direct installation to 4"

square or octagonal junction box. Optional pendant mount provided with mounting hub for 3/8" thread stem, and wall mount provided with mounting means for direct installation to building structure.

Listings

Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards.

CQ

**Vertical Lamp
Quartz Halogen T4**



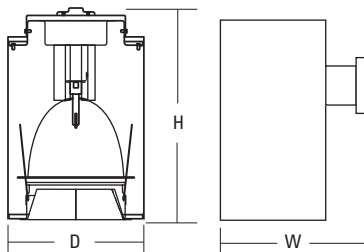
Example: CQ11 250 N 6AR DWHG

ORDERING INFORMATION											Example: CQ11 250 N 6AR DWHG					
Series ¹	Lamp type ²	Distribution		Aperture/Trim			Finish		Mounting		Options	Housing ⁴				
CQ11	150	N	Narrow	Aperture	Trim	(blank)	Semi-specular	(blank)	Ceiling mount		For options and accessories, see pages 310-315.	DWHG	Matte white (standard)			
	250	M	Medium						6	AR		Clear	LD	Matte-diffuse	PM	Pendant 3/8" thread mount
	400	W	Wide	PR	Pewter				LS	Specular		WM	Wall mount	DBL	Black	
	500			WTR	Wheat										DNA	Natural aluminum
				BR	Black ³										DWH	Gloss white
			MB	Black baffle ³						DTG	Tennis green					
			WB	White baffle ³						DGC	Charcoal grey					
										DSS	Sandstone					

ADDITIONAL INFORMATION For additional product information, visit www.gothamlighting.com.

SERIES	APERTURE	DIAMETER (D)	HEIGHT (H)	WALL MOUNT WIDTH (W)
CQ11	6-1/4 (15.9)	11-3/16 (28.4)	17-1/2 (44.5)	16 (40.6)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Matte white finish (DWHG) standard.
- 2 Recommended for use with frosted lamp by Sylvania, GE, Philips or USHIO.
- 3 Not available with finishes.
- 4 Additional architectural colors available; see pages 796-799 or see brochure 794.3.

PRODUCT INFORMATION

GQP

Quartz Halogen T4



Intended Use
Provides general illumination with superior optical control from a small aperture. Can be suspended with aircraft cable, pendant-mounted or arm-mounted to a ceiling, wall or catwalk structure. Suitable for applications with high ceilings such as churches and large auditoriums requiring superior optical control, optimal color rendering and convenient aiming.

Optics
Semi-specular upper reflector and self-flanged semi-specular, matte-diffuse or specular finishing trim provide optimal glare control. Three preset distribution patterns provided with protective lamp guard standard.

Electrical
Heavy-duty mini-can socket for T4 lamp is integrated into a die-cast aluminum housing with 3 square feet of surface

area to dissipate heat and improve lamp life.

Installation
PM: Pendant-mount entry provided for 3/8" National Pipe Thread stem. Swivel mounting accessories available. WM: Wall mount provided with adjustable yoke mechanism for 45° tilt. Optional FPMB mounting bracket (see Accessories) provides easy installation to indoor building structures

such as catwalks. ACC: Aircraft cable and cord mount provided with 10-ft. aircraft cable and black cord.

Listings
Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards.

ORDERING INFORMATION

Example: GQP10 150 N 6AR ACC

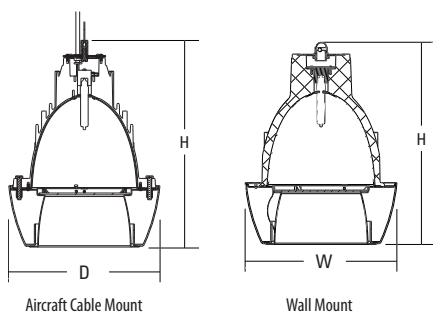
Series/Aperture		Lamp type ¹	Distribution	Aperture/Trim		Finish	Mounting	Mounting accessories
Series	Aperture			Aperture	Trim			
GQP	10	150	N Narrow	6	AR Clear	(blank) Semi-specular	PM Pendant 3/8" thread mount ^{3,4}	CYS 3/8" stem and canopy with 5° "hang straight" swivel ⁶
		250	M Medium		BR Black ²	LD Matte-diffuse	WM Wall mount with adjustable yoke ³	
		400	W Wide		PR Pewter	LS Specular	ACC Aircraft cable and cord ⁵	CRS 3/8" stem and canopy with 45° swivel ⁶
		500			WTR Wheat			
					MB Black baffle ²			
					WB White baffle ²			
					GR Gold			

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	APERTURE	DIAMETER (D)	HEIGHT (H)	WALL MOUNT WIDTH (W)	WALL MOUNT HEIGHT (H)
GQP10	6-1/4 (15.9)	10-9/32 (25.2)	14-1/16 (35.6)	14-3/16 (36.0)	14-3/16 (36.9)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Recommended for use with frosted lamp by Sylvania, GE, Philips or Ushio.
- 2 Not available with finishes.
- 3 Provided with 36" socket leads. Additional lengths of wire must be field installed using 150°C-rated wire and ceramic wire nuts.
- 4 Available with CYS or CRS stem option only.
- 5 Provided with 10-ft. aircraft cable and black cord. Consult factory for additional lengths.
- 6 For use with PM option only. Length of stem must be specified (from 6" to 48" in 2" even increments). EX: CYS12. Stems greater than 48", maximum 240", provided with couplers. Consult factory for exterior use.

Intended Use

Provides direct and indirect light with superior brightness control. PAR lamps provide crisp white light in a variety of beam spreads for flexible lighting solutions. Appropriate for interior applications with mid to high ceilings.

Construction

Heavy-gauge aluminum housing.

Optics

Self-flanged semi-specular, matte-diffuse or specular reflector provides optimal performance and efficiency while minimizing high-angle brightness.

Electrical

Medium-base porcelain sockets with nickel-plated screw shell.

Installation

Wall mount provided with mounting means for direct installation to 4" square or octagonal junction box.

Listings

Fixtures are UL Listed for damp locations. Listed and labeled to comply with Canadian Standards.

CWU

Vertical Lamp

PAR



Example: CWU7A AC DWHG

ORDERING INFORMATION

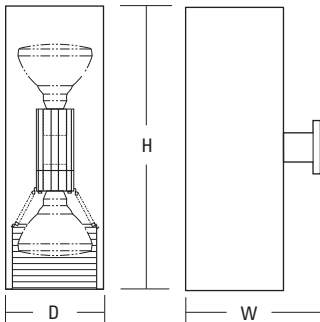
Series/Aperture ^{1,4}	Trim	Finish	Options	Housing ³
Series¹ Aperture⁴	AC Clear	(blank) Semi-specular	For options and accessories, see pages 310-315.	DWHG Matte white (standard)
CWU 7A	PC Pewter	LD Matte-diffuse		DDB Dark bronze
8A	WTC Wheat	LS Specular		DBL Black
	BC Black ²			DNA Natural aluminum
	MB Black baffle ²			DWH Gloss white
	WB White baffle ²			DTG Tennis green
			DGC Charcoal grey	
			DSS Sandstone	

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SERIES	MAXIMUM WATTAGE/LAMP	DIAMETER (D)	HEIGHT (H)	WALL MOUNT WIDTH (W)
CWU7A	150W PAR38	6-5/8 (16.8)	22-1/8 (56.2)	9-7/8 (25.1)
CWU8A	Q250W PAR38	8-3/8 (21.3)	22-5/8 (65.1)	11-5/8 (29.5)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- 1 Matte white finish (DWHG) standard.
- 2 Not available with finishes.
- 3 Additional architectural colors available; see pages 796-799 or see brochure 794.3.
- 4 Refer to chart for maximum wattage availability.

PRODUCT INFORMATION

SCA

Sloped Ceiling Adapter



Intended Use
Provides an effective and attractive interface between sloped ceilings and Gotham® recessed luminaires.

Features
Each adapter is scaled specifically to the aperture diameter of the luminaire. The adapter may be specified

for 10- to 30-degree slopes, in 5-degree increments.

The self-flanged, heavy-gauge aluminum adapter is coated with a white, textured polyester powder finish for durability.

Mechanical design provides simplified installation with integral tabs.

support the adapter to the recessed downlight housing prior to installation of the trim.

ORDERING INFORMATION

Example: SCA6 15D

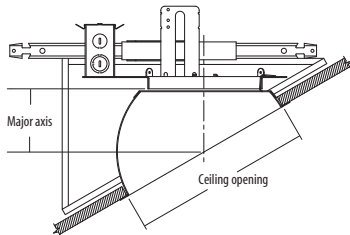
Series/Aperture		Degree of slope
Series	Aperture	
SCA	4	10D
	5	15D
	6	20D
	8	25D
	10	30D
	12	

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

SLOPED CEILING ADAPTER	FIXTURE SERIES	CEILING OPENING (DIA.)	MAJOR AXIS
SCA4	AFV4, AH4, APRH4, A4, APR4	11 (27.9)	3-7/8 (9.8)
SCA5	AFV5	11 (27.9)	3-7/8 (9.8)
SCA6	AF6, AFV6, AH6, AHZ6, APRH6, APR6, A6, AZ6, APRLV6, LGF6, LGFV6, LGH6, LGHZ6, LG6, LGZ6	11 (27.9)	3-7/8 (9.8)
SCA8	AF8, AFV8, AFZ8, AH8, AHZ8, APRH8, A8, AZ8, LGF8, LGFV8, LGH8, LGHZ8, LG8, LGZ8	12-5/8 (32.1)	4-1/4 (10.8)
SCA10	AF10, AH10, LGF10, LGFV10, LGH10, LGHZ10, LG10, LGZ10	17-3/4 (45.1)	5-3/4 (14.6)
SCA12	A12, AH12	17-3/4 (45.1)	5-3/4 (14.6)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



LENSES & LOUVERS

ORDERING INFORMATION

Example: F200 RR

Type/Size ²		Lens	
Type	Size²	<u>Dichroic borosilicate lens (safety glass colors)</u>	
F Filter	100	RED	Red
L Louver ¹	200	GAMB	Golden amber
	300	YEL	Yellow
	400	GRN	Green
	500	CBLUE	Cool blue
	700	MBLUE	Medium blue
	800	CPCH	Cool peach
			MGN
		CYAN	Cyan
		CL	Clear lens
		UV	+99% UV blocking below 400 nm
		<u>Soda lime lens colors³</u>	
		RR	Ruby red
		MB	Medium blue
		MA	Medium amber
		DB	Dark blue
		MP	Medium pink
		<u>Borosilicate beam-shaping lenses (safety glass)</u>	
		PMF	Perimeter frost lens
		LTF	Light frost lens
		SFG	Softening lens
		<u>Soda lime beam-shaping lenses³</u>	
		SL	Spread lens
		EG	Elongating lens
		<u>Beam-shaping louvers³</u>	
		L	Matte black ⁴

ADDITIONAL INFORMATION

For additional product information, visit www.gothamlighting.com.

LAMP TYPE	LENS/LOUVER SIZE						
	100	200	300	400	500	700	800
ALR12	■						
ALR18			■				
AR111					■	■	
AR70			■				
MR11	■						
MR16		■					
PAR16			■		■	■	
PAR20			■	■	■	■	
PAR30					■	■	
PAR36					■		
PAR38					■	■	
PAR46						■	■
PAR56						■	■

Size dependent upon fixture type and retaining method. See specification sheets.

Notes

- 1 Not available with lens.
- 2 See chart for lamp compatibility.
- 3 Safety glass required in combination when used with MR11, MR16 or AR111 lamp types.
- 4 Not recommended for use with aluminized reflector MR16 lamps.

PRODUCT INFORMATION

NOMENCLATURE	DESCRIPTION
SCA	Sloped ceiling adapter, aluminum with matte white finish for use in sloped ceiling application. Must specify product aperture and degree of slope. Example: SCA6 10D.
CTA	Ceiling thickness adapter, galvanized steel for use in ceilings up to 2" thick.
BH24	Bar hangers, 24" galvanized steel bar hangers for T-bar mounting (set of two).
LSMC	T-bar mounting clips designed to lock bar hangers to T-bar (set of four). Not for use with BH24.
LFH	Locking filter holder accommodates up to two lenses/louvers.
LTFWH	Filter holder accommodates up to two lenses/louvers.
GFC	Filter clips accommodate up to two lenses/louvers.

■ = Option available; see specification sheet for details.

	FLUORESCENT									HID				INCANDESCENT				LOW VOLTAGE		
	PDXF/PDTF	PDGF	AF/AFW	AFZ/AFZW	AFV/AFVW	LGF	LGFV	LAF	AH/AHW/AHZ	APRH	DPH	LGH/LGHZ	LAH	A/AW/AZ/AZW	APR	DP	LG/LGZ	LA	APRIV	DIV 6 & 8
SCA4					■					■	■				■	■				
SCA5					■															
SCA6	■		■		■	■	■		■	■		■		■	■		■		■	
SCA8	■	■	■	■	■	■	■		■	■		■		■	■		■			
SCA10		■	■			■	■		■			■					■			
SCA12									■					■						
CTA6					■				■					■						
CTA860					■				■					■						
CTA10									■					■						
CTA12									■					■						
BH24							■					■						■		
LSMC							■					■						■		
LFH300										■						■				
LFH501																■				
LFH502										■						■				
LFH503																■				■
LFH701																■				
LFH702										■						■				
LFH703																■				■
LTFWH400										■						■				
LTFWH500										■						■				
LTFWH700										■						■				
GFC700																■				■
GFC800																■				■

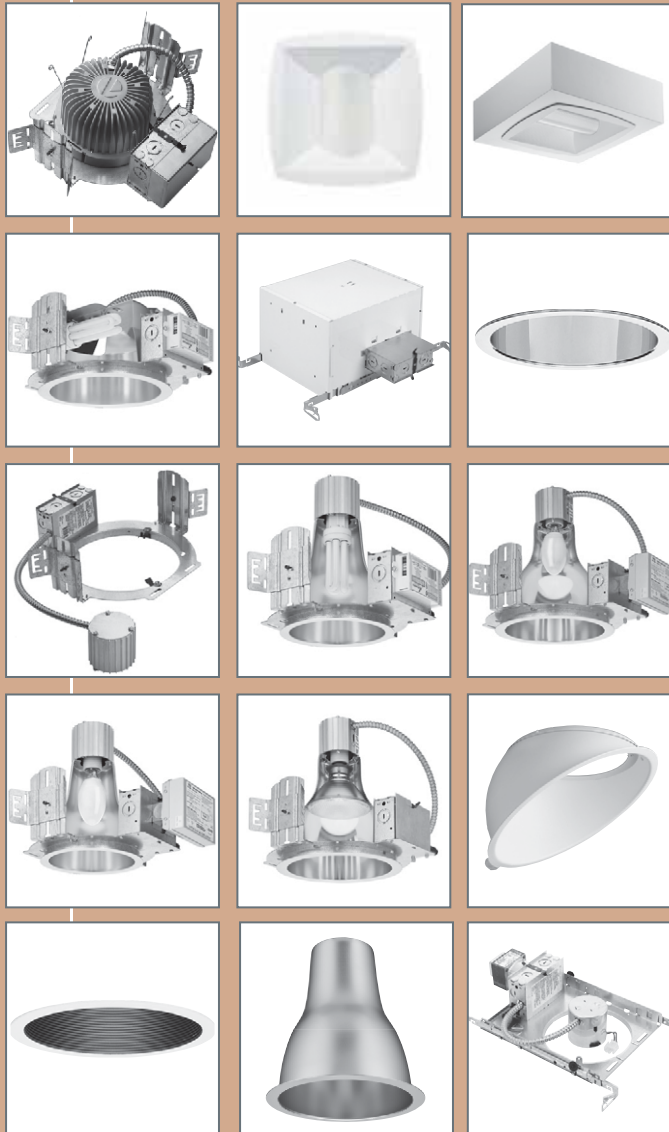
TYPE	NOMENCLATURE	DESCRIPTION	
BALLAST/ TRANSFORMER	EMB	Electromagnetic ballast. HID only.	
	CW20	Cold-weather fluorescent ballast; -20°F starting.	
	SCWA	Pulse-start metal-halide super-constant wattage autotransformer ballast. Consult specification sheet for wattage and voltage availability.	
	HEB	Electronic HID ballast. 120V or 277V, 50 or 60Hz. THD < 15%, PF > 0.90.	
	AD	Advance electromagnetic HID ballast.	
	S5	SIMPLY5™ electronic dimming system ballast. Includes 9' S5 MLC RELOC wiring system (shipped separately).	
	S5 HW	SIMPLY5™ electronic dimming system ballast less RELOC.	
	ADALI	Advance ROVR™ electronic controllable ballast utilizing digital addressable lighting interface (DALI) protocol. (120V or 277V only.)	
	ADCF	Advance electronic fluorescent ballast. (120V or 277V only.)	
	ADEZ	Advance Mark 10™ electronic line voltage control dimming ballast. (120V or 277V; not available with 13DTT or 13TRT.) Minimum dimming level 5%.	
	ADZT	Advance Mark 7™ electronic 0-10V DC dimming ballast. (120V-277V only.) Minimum dimming level 3%.	
	DMHL	Lutron Compact SE™ electronic 3-wire line voltage control dimming ballast. (120V or 277V; 18DTT, 26DTT, 18TRT, 26TRT, 32TRT or 42TRT only.) Minimum dimming level 5%.	
	DMHL3	Lutron Hi-Lume® electronic 3-wire line voltage control dimming ballast. (120V or 277V; 26TRT or 32TRT only.) Minimum dimming level 1%.	
	MOTCF	Osram Sylvania electronic fluorescent ballast.	
	UN	Universal Lighting Technologies electromagnetic HID ballast.	
	TUBCF	Universal Lighting Technologies electronic fluorescent ballast.	
	SDT	Stepdown transformer (277V to 120V; 300W max.).	
	SDT347	Stepdown transformer (347V to 120V; 75W max.).	
	FUSING	BDP	Ballast disconnect plug. Fluorescent only.
		2W5	Lutron Tu-Wire® electronic dimming ballast.
QDS		Quick disconnect for easy ballast replacement. Fluorescent only.	
DS		Dual switching.	
GMF		Single, slow-blow fuse. Fluorescent only.	
GLR		Single, fast-blow fuse. Fluorescent only.	
SF		Single fuse (120V, 277V or 347V only). HID and incandescent only.	
TRIM	DF	Double fuse (208V or 240V only). HID only.	
	TRW	White painted flange. (Standard with MB, WB, WC, or WR trim colors.)	
	TRBL	Black painted flange.	
	TRDA	Tamper-resistant door assembly. Includes two tamper-resistant screws.	
	GSKT	Foam gasketing. Aids in reduction of light leaks and insect penetration; shipped uninstalled.	
LAMP	CWW	Corner wallwash.	
	DWW	Double wallwash.	
	WLP	Lamp (shipped separately).	
	LPSP	Spot lamp (shipped separately).	
	LPFL	Flood lamp (shipped separately).	
	LPWFL	Wide flood lamp (shipped separately).	
MOUNTING	L/LP	Less lamp.	
	WRL	Wattage restriction label. Maximum wattage must be specified (Ex.: WRL50).	
	CYS	3/8" stem and canopy with 5° "hang straight" swivel. Consult factory for exterior applications. Length of stem must be specified (from 6" to 48" in 2" increments). Stems greater than 48", max. 240", provided with couplers.	
	CRS	3/8" stem and canopy with 45° swivel. Consult factory for exterior applications. Length of stem must be specified (from 6" to 48" in 2" increments). Stems greater than 48", max. 240", provided with couplers.	
	GRS	Recessed mounting frame option for PDPA, PDPF and PDPH.	
EMERGENCY	FPMB	Pipe mounting bracket. Mounts to 2" or 2-1/2" pipe. (Horizontal or vertical)	
	EL	Emergency battery pack with integral test switch. Operates one lamp in emergency mode with battery back-up in case of power disruption.	
	ELR	Emergency battery pack with remote test switch. Operates one lamp in emergency mode with battery back-up in case of power disruption.	
	EL2LP	Emergency battery pack with integral test switch. Operates two lamps in emergency mode with battery back-up in case of power disruption. 32W max.	
	ELR2LP	Emergency battery pack with remote test switch. Operates two lamps in emergency mode with battery back-up in case of power disruption. 32W max.	
	ELHL	High lumen output emergency battery pack with integral test switch. Operates one lamp in emergency mode with battery back-up in case of power disruption.	
	ELRHL	High lumen output emergency battery pack with remote test switch. Operates one lamp in emergency mode with battery back-up in case of power disruption.	
	ELHL2LP	High lumen output emergency battery pack with integral test switch. Operates two lamps in emergency mode with battery back-up in case of power disruption. 32W max.	
	ELRHL2LP	High lumen output emergency battery pack with remote test switch. Operates two lamps in emergency mode with battery back-up in case of power disruption. 32W max.	
	ELSD	Emergency battery pack with integral test switch and self-diagnostics module. Operates one lamp in emergency mode with battery back-up in case of power disruption. Self-diagnostic module evaluates AC to DC transfer, charging and battery condition for five minutes every 30 days and 30 minutes every six months.	
	ELRSD	Emergency battery pack with remote test switch and self-diagnostics module. Operates one lamp in emergency mode with battery back-up in case of power disruption. Self-diagnostic module evaluates AC to DC transfer, charging and battery condition for five minutes every 30 days and 30 minutes every six months.	
	ELRB94	Bodine B94 emergency battery pack with remote test switch. Operates one lamp in emergency mode with battery back-up in case of power disruption.	
	BGTD	Bodine GTD™ generator transfer device. Factory installed on fixture, senses loss of normal power and switches to auxiliary generator to power fixture for egress lighting.	
	QRS	Quartz restrike system. Automatically energizes 120V double-contact, bayonet-base lamp (by others) during a momentary power interruption significant enough to cause HID lamp to drop out. Lamp stays on until HID lamp restrikes.	
	MISCELLANEOUS	QRSTD	Quartz restrike system with time delay. Operates like QRS, except auxiliary lamp remains on for two minutes after HID lamp restrikes.
EC		Emergency circuit. Factory-installed double-contact, bayonet-base socket with leads. For use with separate, external emergency power system.	
LRC		Provides compatibility with Lithonia RELOC® System. Lithonia RELOC System can be installed less this option with connectors provided by others. Access above ceiling required.	
RIF		Radio inference filter. Inductive capacitor circuit designed to minimize interference from feedback into line. 120V through 347V, 50 or 60Hz.	
	CP	Chicago plenum.	



LITHONIA COMMERCIAL DOWNLIGHTING

The Lithonia Commercial Downlighting family of products offers a wide selection of LED compact fluorescent, HID, incandescent and low-voltage fixtures for a variety of applications. With aperture sizes ranging from three to eight inches, our frame-ins meet industry requirements for rugged construction and easy installation. Our reflectors are designed to deliver solid photometric performance at competitive prices.

With a comprehensive selection of frame-ins and reflectors in stock, Lithonia Commercial Downlighting is the ideal choice for your next lighting project.



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PRODUCT INFORMATION

DOM8 LED

8" LED Downlight

**Intended Use**

The DOM™ Series integrates new technology and quality materials to maximize performance and aesthetics while ensuring the quality of light. This series is ideal for supplying high-quality general illumination in corridors, offices, reception areas, schools and retail environments. The DOM is 20% more energy efficient than comparable CFL downlights.

Construction

16-gauge galvanized steel mounting/plaster frame with torsion springs to mount the open conical shape reflector.

Rugged, one-piece, die-cast housing with white interior dome reflector.

LED light source shielded from direct view.

Vertically adjustable mounting brackets for use with 16-gauge flat barhangers (included), C channel or 1/2" steel conduit. Provides 3-3/4" total adjustment.

Post-installation adjustment possible from above or below the ceiling.

Galvanized steel junction box with bottom-hinged access covers and spring latches. Two combination 1/2"-3/4" and three 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out) #12 AWG conductors, rated for 90°C.

Fixture height of 5-3/4" allows installation in shallow plenum applications. Secondary housing adjustment system for precise, final ceiling-to-flange alignment.

Electrical

The system maintains 70% lumen output at more than 50,000 hours.

Utilizes high-brightness LEDs mounted to a metal core circuit board, ensuring efficient heat dissipation, 3500K, CRI > 80.

Thermal protection provided against improper insulation use.

High-efficiency, electronic LED driver mounted in the junction box.

Luminaire should be installed in applications where ambient temperatures do not exceed 50°C. Ambient temperatures that exceed 50°C will result in reduced lamp life and will void warranty.

Listings

Fixtures are UL Listed for through-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian safety standards.

Three-year limited warranty.

**ORDERING INFORMATION**

Lead times will vary depending on options selected. Consult with your sales representative.

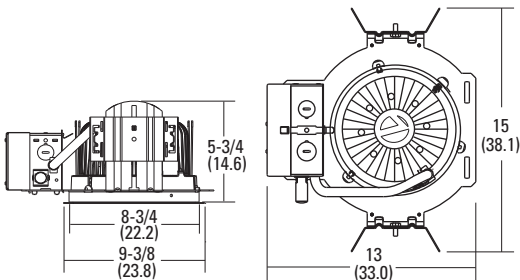
Example: DOM8 LED 1200L 120 D08

Series	Lumen output ¹	Color temperature	Voltage	Reflector	Options
DOM8 LED	1200L	(blank) 3500K	120	D08 White open ²	DIM 0-10V dimming driver, 10% minimum light output
	1500L		277	D08A Clear diffuse open	LBH Less barhangers
			347	D08AZ Semi-specular open	TRW White flange with anodized reflectors
				D08MW Matte white ²	TRBL Black flange with anodized reflectors

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- Total system delivered lumens.
- White integral flange.

DOM6 LED

6" LED Downlight



PRODUCT INFORMATION

Intended Use

The DOM™ Series integrates new technology and quality materials to maximize performance and aesthetics while ensuring the quality of light. This series is ideal for supplying high-quality general illumination in corridors, offices, reception areas, schools and retail environments. The DOM is 20% more energy efficient than comparable CFL downlights.

Construction

16-gauge galvanized steel mounting/plaster frame with torsion springs to mount the open conical shape reflector.

Rugged, one-piece, die-cast housing with white interior dome reflector.

LED light source shielded from direct view.

Vertically adjustable mounting brackets for use with 16-gauge flat barhangers (included), C channels or 1/2" steel conduit. Provides 3-3/4" total adjustment.

Post-installation adjustment possible from above or below the ceiling.

Fixture height of 5-3/4" allows installation in shallow plenum applications. Secondary housing adjustment system for precise, final ceiling-to-flange alignment.

Electrical

The system maintains 70% lumen output at more than 50,000 hours.

Utilizes high-brightness LEDs mounted to a metal core circuit board, ensuring efficient heat dissipation, 3500K, CRI > 80.

Thermal protection provided against improper insulation use.

High-efficiency, electronic LED driver mounted in the junction box.

Luminaire should be installed in applications where ambient temperatures do not exceed 50°C. Ambient temperatures that exceed 50°C

will result in reduced lamp life and will void warranty.

Listings

Fixtures are UL Listed for through-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian safety standards.

Three-year limited warranty.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

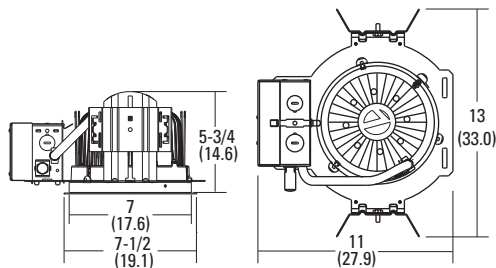
Example: DOM6 LED 900L 120 D06

Series	Lumen output ¹	Color temperature	Voltage	Reflector	Lens ⁴	Options
DOM6 LED	600L 900L ²	(blank) 3500K	120	D06 White open ³	DL61 White splay, flat clear lens	DIM 0-10V dimming driver, 10% minimum light output ELRB722 Emergency battery pack; switch provided ² LBH Less barhangers TRW White flange with anodized reflectors TRBL Black flange with anodized reflectors
			277	D06A Clear diffuse open	DL6B1 Black baffle, flat clear lens	
			347	D06AZ Semi-specular open	DL64 White splay, fresnel lens	
				D06MW Matte white ³	DL6B4 Black baffle, fresnel lens DL673 White splay, tempered prismatic lens DL6B73 Black baffle, tempered prismatic lens	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Total system delivered lumens.
- ELRB722 available with 900L only.
- White integral flange.
- Lensed reflectors are wet location listed.

RT5D LED



Intended Use

The RT5D Series is designed for applications where comfort, aesthetics and energy savings are important.

The RT5D LED is 20% more efficient when compared to the mean efficacy of a common two-lamp, 26DTT compact fluorescent downlight.

Construction

16-gauge galvanized steel mounting plaster frame with mechanical trim retention integral yoke to retain optical system. Fixture height of 4- 7/8" allows installation in shallow plenum applications.

Maximum 2" ceiling thickness.

Optics

Regressed, two-piece refractive system obscures the lamp and smoothly washes the reflector with light. Rugged, one-piece white die-cast reflector system with linear facets softens and distributes light into the space (ships separately).

Electrical

The system maintains 70% lumen output at more than 50,000 hours. Utilizes high-efficiency LEDs mounted to a metal core circuit board, ensuring cool-running

operation, 3500K, CRI > 80. Typical lumens per system is 1700 utilizing 41 total system watts.

Listings

Fixtures are UL Listed for through-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian safety standards.

Three-year limited warranty.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

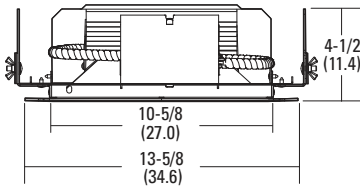
Example: RT5D LED

Series	Lumen output	Color temperature	Voltage	Options
RT5D LED	(blank) 1700L ¹	(blank) 3500K	120 277 347	CP Chicago plenum LFS LED freezer shroud (shipped separately) ² S5 SIMPLY5™ energy management system ³ SSHW Hardwire for SIMPLY5™ system; replaces RELOC® wiring ³

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Typical system delivered lumens.
- 2 Available for use only with freezer applications.
- 3 SIMPLY5™ includes 9" S5 MLC RELOC wiring system (shipped separately); available 120 or 277V only.

RT5D

1'x1' Horizontal Lamp, Triple-Tube (TRT)



Intended Use
Provides volumetric lighting by filling the entire volume of space with light, delivering the ideal amount of light to walls, cubicles, work surfaces and people. Typical applications include corridors, lobbies, conference rooms and private offices. RT5D will fill the space with light without glare or cave effect of traditional downlights. In addition, RT5D with a single 32W triple-tube lamp provides up to 30% energy savings when compared to common two-lamp, 26W double twin-tube downlight.

Construction
16-gauge galvanized steel mounting/plaster frame

with mechanical trim retention integral yoke to retain optical system.

Rugged, one-piece white die-cast reflector system with linear facets softens and distributes light into the space (ships separately).

Mounting bars are 16-gauge galvanized steel with continuous 2-3/4" vertical adjustment, held in place with wingnuts. Post installation adjustment possible without the use of tools from above or below the ceiling.

Galvanized steel junction box with bottom-hinged access covers and spring latches. Two combination 1/2"-3/4"

and three 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out) #12 AWG conductors, rated for 90°C.

Maximum 2" ceiling thickness.

Optics
Regressed, two-piece refractive system obscures the lamp and smoothly washes the reflector with light.

Impact-modified acrylic prismatic refractor with polymer light diffusing film.

Electrical
Horizontally mounted, four-pin, positive-latch, thermoplastic socket.

Class P, thermally protected high power factor electronic ballast mounted to the junction box (EL battery back mounted on ballast tray). Minimum starting temperature is 0°F/-18°C.

SS option available for use with SIMPLY5™ lighting intelligence system with multi-level dimming. See SYNERGY® Lighting Controls specification sheets for more information.

Listings
Fixtures are UL Listed for through-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian safety standards.

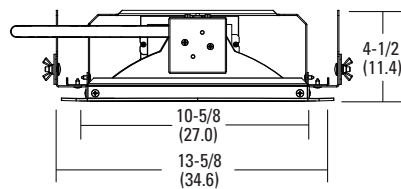
ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: RT5D

Series	Lamp type	Voltage	Options
RT5D	(blank) 1/26-42TRT1	(blank) MVOLT ²	EL Emergency battery pack; integral test switch provided ^{4,5}
	1/26TRT One 26W TRT lamp	120 120V ³	ELR Emergency battery pack; remote test switch provided ^{4,5}
	1/32TRT One 32W TRT lamp	277 277V ³	GMF Single, slow-blow fuse; must specify voltage ^{3,4}
	1/42TRT One 42W TRT lamp	347 347V ³	ADEZ Advance® Mark X® electronic dimming ballast, 120V or 277V; minimum dimming level 5% ^{3,4}
	1/26DTT One 26W DTT lamp		DMHL LUTRON® Compact SE™ electronic dimming ballast, 120V or 277V; minimum dimming level 5% ^{3,4}
			BDP Ballast disconnect plug (meets codes that require in-fixture disconnect)
			S5 1.0 ballast factor Simply5™ system ^{4,6}
			S5HW Hardwire for Simply5™ system; replaces RELOC® wiring ^{4,6}
			WLP 35K lamp (shipped separately)

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Not available with DMHL or WLP.
- 2 Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- 3 Wattage and voltage must be specified when ordering with GMF, ADEZ and DMHL.
- 4 Not available in 347V.
- 5 Not compatible with S5 option.
- 6 SIMPLY5™ includes 9" S5 MLC RELOC wiring system (shipped separately); available 120 or 277V only.

PRODUCT INFORMATION

LF8N

2-Lamp, Double Twin-Tube (DTT)



Intended Use
Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where open, baffled, wallwash and lensed reflectors are required.

Construction
Heavy-gauge die-formed galvanized steel mounting frame with mechanical trim retention (yoke) ensures secure and flush reflector

mounting to ceiling. Vertically adjustable mounting brackets for use with 16-gauge flat barhangers (included), C channels or 1/2" steel conduit. Junction boxes equipped with two 3/4" and four 1/2" conduit knockouts with pryout slots and removable access doors.

Maximum ceiling thickness 1-1/2".

Electrical
Electronic ballast with end of life protection standard. Class P thermally protected ballast that protects against improper contact with insulation. Minimum starting temperature is 0°F/-18°C. Rated for #12 AWG conductor through-branch wiring. Minimum 90°C supply wire. Ground wire provided.

Listings
Fixtures are UL Listed for through-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian safety standards.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: LF8N 2/26DTT F802A MVOLT

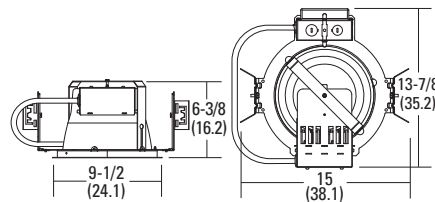
Series	Lamp type	Reflector	Lens ¹	Voltage	Options
LF8N	2/18DTT	Choose reflector below.	CGL Clear glass lens	MVOLT ² 120 277 347 ³	ADEZ Advance® Mark X® electronic dimming ballast, 120V or 277V; minimum dimming level 5%
	2/26DTT	Housing and reflector may be ordered separately. Lamp types and maximum wattages are listed for each reflector.	T73 Tempered glass prismatic lens PCL Clear polycarbonate lens		DMHL Lutron® Compact SE™ electronic dimming ballast, 120V or 277V; minimum dimming level 5%
					EL Emergency battery pack with integral test switch ⁴ ELR Emergency battery pack with remote test switch ⁴ ELRHL2LP Emergency battery pack with remote test switch; operates two 26W (2,600 lumens average) ⁵ BDP Ballast disconnect plug meets codes that require in-fixture disconnect GMF Single slow-blow fuse; specify voltage RIF1 Radio interference filters LBH Less barhangers TRW White flange WLP 35K lamp (shipped separately)

Open reflector		Baffle with specular upper reflector		Wallwash with integral kicker		Glass lens with specular upper reflector	
F802	White ¹	F8B3	Black baffle ⁶	F8W1	White	F8LF1	White splay, clear lens ^{6,7}
F802A	Clear diffuse ¹	F8B3W	White baffle ⁶	F8W1A	Clear diffuse	F8LFB1	Black baffle, clear lens ^{6,7}
F802AZ	Clear semi-specular ¹			F8W1AZ	Clear semi-specular	F8L4	White splay, fresnel lens ^{6,7}
F802G	Gold diffuse ¹			F8W1G	Gold diffuse	F8LB4	Black baffle, fresnel lens ^{6,7}
F802GZ	Gold semi-specular ¹			F8W1GZ	Gold semi-specular	F8LF73	White splay, tempered prismatic lens ^{6,7}
F802PR	Pewter diffuse ¹			F8W1PR	Pewter diffuse	F8LFB73	Black baffle, tempered prismatic lens ^{6,7}
F802WTZ	Wheat semi-specular ¹			F8W1WTZ	Wheat semi-specular		

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

STANDARD PACKAGING
To order, use single master catalog number.
Example: (13) LF8N 2/26DTT F802A MVOLT
Fixtures ship as multiple components using optimized packaging. Example above ships as:
(Qty 13) LF8N 2/26DTT MVOLT (13 cartons of one housing)
(Qty 13) F802A (13 cartons of one reflector)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Damp lens available with F802 reflectors.
- 2 Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- 3 Not available with EL or ELR.
- 4 Ships standard for one-lamp operation. For two-lamp emergency operation, consult installation instructions or factory. Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- 5 Not recommended for field installation.
- 6 White painted flange (TRW) standard.
- 7 Lensed reflectors are wet location listed.

Intended Use

Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where open, baffled, wallwash and lensed reflectors are required.

Construction

Heavy-gauge die-formed galvanized steel mounting frame with mechanical trim retention (yoke) ensures

secure and flush reflector mounting to ceiling. Vertically adjustable mounting brackets for use with 16-gauge flat barhangers (included), C channels or 1/2" steel conduit. Junction boxes equipped with two 3/4" and four 1/2" conduit knockouts with pryout slots and removable access doors.

Maximum ceiling thickness 1-1/2".

Electrical

Electronic ballast with end of life protection standard. Class P thermally protected ballast that protects against improper contact with insulation. Minimum starting temperature is 0°F/-18°C. Rated for #12 AWG conductor through-branch wiring. Minimum 90°C supply wire. Ground wire provided.

Listings

Fixtures are UL Listed for through-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian safety standards.

LF8N

2-Lamp, Triple-Tube (TRT)



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: LF8N 2/26-42TRT F803A MVOLT

Series	Lamp type	Reflector	Lens ²	Voltage
LF8N	2/26-42TRT¹	Choose reflector below.	CGL Clear glass lens	MVOLT³
	2/26TRT	Housing and reflector may be ordered separately.	T73 Tempered glass prismatic lens	120
	2/32TRT	Lamp types and maximum wattages are listed for each reflector.	PCL Clear polycarbonate lens	277
	2/42TRT			347 ⁴

Options

ADEZ	Advance® Mark X® electronic dimming ballast, 120V or 277V; minimum dimming level 5%	BDP	Ballast disconnect plug meets codes that require in-fixture disconnect
DMHL	Lutron® Compact SE™ electronic dimming ballast, 120V or 277V; minimum dimming level 5%	GMF	Single slow-blow fuse; specify voltage
EL	Emergency battery pack with integral test switch ⁵	RIF1	Radio interference filters
ELR	Emergency battery pack with remote test switch ⁵	LBH	Less barhangers
ELRHL2-42	Emergency battery pack with remote test switch; operates two 42W CFL (2,800 lumens average) ⁶	TRW	White flange
ELRHL2LP	Emergency battery pack with remote test switch; operates two 26W (2,600 lumens average) or two 32W CFL (2,750 lumens average) ⁶	WLP	35K lamp (shipped separately)

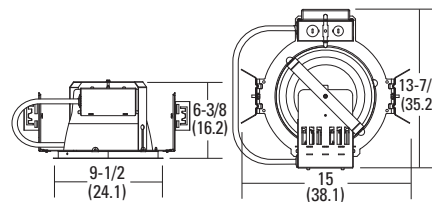
Open reflector		Baffle with specular upper reflector		Wallwash with integral kicker		Glass lens with specular upper reflector	
F803	White ²	F8B4	Black baffle ⁷	F8W3	White	F8LT1	White splay, clear lens ^{7,8}
F803A	Clear diffuse ²	F8B4W	White baffle ⁷	F8W3A	Clear diffuse	F8LTB1	Black baffle, clear lens ^{7,8}
F803AZ	Clear semi-specular ²			F8W3AZ	Clear semi-specular	F8LT4	White splay, fresnel lens ^{7,8}
F803G	Gold diffuse ²			F8W3G	Gold diffuse	F8LTB4	Black baffle, fresnel lens ^{7,8}
F803GZ	Gold semi-specular ²			F8W3GZ	Gold semi-specular	F8LT73	White splay, tempered prismatic lens ^{7,8}
F803PR	Pewter diffuse ²			F8W3PR	Pewter diffuse	F8LTB73	Black baffle, tempered prismatic lens ^{7,8}
F803WTZ	Wheat semi-specular ²			F8W3WTZ	Wheat semi-specular		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

STANDARD PACKAGING
To order, use single master catalog number.
Example: (13) LF8N 2/26-42TRT F803A MVOLT
Fixtures ship as multiple components using optimized packaging. Example above ships as:
(Qty 13) LF8N 26-42TRT MVOLT (13 cartons of one housing)
(Qty 13) F803A (13 cartons of one reflector)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Not available with DMHL or WLP.
- 2 Damp lens available with F803 reflectors.
- 3 Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- 4 Not available EL or ELR.
- 5 Ships standard for one-lamp operation. For two-lamp emergency operation, consult installation instructions or factory. Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- 6 Not recommended for field installation.
- 7 White painted flange (TRW) standard.
- 8 Lensed reflectors are wet location listed.

PRODUCT INFORMATION

LF8N

1-Lamp, Triple-Tube (TRT)



Intended Use
Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where open, baffled, wallwash and lensed reflectors are required.

Construction
Heavy-gauge die-formed galvanized steel mounting frame with mechanical trim retention (yoke) ensures secure and flush reflector mounting to ceiling. Vertically adjustable mounting

brackets for use with 16-gauge flat barhangers (included), C channels or 1/2" steel conduit. Junction boxes equipped with two 3/4" and four 1/2" conduit knockouts with pryout slots and removable access doors.

Maximum ceiling thickness 1-1/2".

Electrical
Electronic ballast with end of life protection standard. Class P thermally protected ballast that protects against improper contact with

insulation. Minimum starting temperature is 0°F/-18°C. Rated for #12 AWG conductor through-branch wiring. Minimum 90° supply wire. Ground wire provided.

Listings
Fixtures are UL Listed for through-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian safety standards.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: LF8N 1/26-42TRT F801A MVOLT

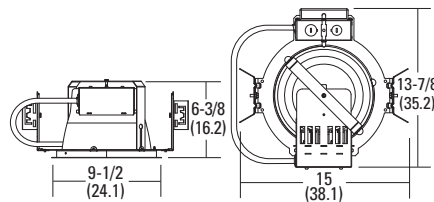
Series	Lamp type	Reflector	Lens ³	Voltage	Options
LF8N	1/26-42TRT¹	Choose reflector below.	CGL Clear glass lens	MVOLT²	ADEZ Advance® Mark X® electronic dimming ballast, 120V or 277V; minimum dimming level 5%
	1/26TRT	Housing and reflector may be ordered separately.	T73 Tempered glass prismatic lens	120	DMHL LUTRON® Compact SE™ electronic dimming ballast, 120V or 277V; minimum dimming level 5%
	1/32TRT	Lamp types and maximum wattages are listed for each reflector.	PCL Clear polycarbonate lens	277	EL Emergency battery pack with integral test switch ⁶
	1/42TRT			347 ⁵	ELR Emergency battery pack with remote test switch ⁶
	1/57TRT ²				ELRHL High lumen output emergency battery pack; remote test switch provided ⁷
					BDP Ballast disconnect plug meets codes that require in-fixture disconnect
					GMF Single slow-blow fuse; specify voltage
					RIF1 Radio interference filter
					LBH Less barhangers
					TRW White flange
					WLP 35K lamp (shipped separately)

Open reflector		Baffle with specular upper reflector		Wallwash with integral kicker		Glass lens with specular upper reflector	
F801	White ³	F8B5	Black baffle ⁸	F8W4	White	F8LS1	White splay, flat clear lens ^{8,9}
F801A	Clear diffuse ³	F8B5W	White baffle ⁸	F8W4A	Clear diffuse	F8LSB1	Black baffle, flat clear lens ^{8,9}
F801AZ	Clear semi-specular ³			F8W4AZ	Clear semi-specular	F8LS4	White splay, fresnel lens ^{8,9}
F801G	Gold diffuse ³			F8W4G	Gold diffuse	F8LSB4	Black baffle, fresnel lens ^{8,9}
F801GZ	Gold semi-specular ³			F8W4GZ	Gold semi-specular	F8LS73	White splay, tempered prismatic lens ^{8,9}
F801PR	Pewter diffuse ³			F8W4PR	Pewter diffuse	F8LSB73	Black baffle, tempered prismatic lens ^{8,9}
F801WTZ	Wheat semi-specular ³			F8W4WTZ	Wheat semi-specular		

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

STANDARD PACKAGING
To order, use single master catalog number.
Example: (13) LF8N 1/26-42TRT F801A MVOLT
Fixtures ship as multiple components using optimized packaging. Example above ships as:
(Qty13) LF8N 1/26-42TRT MVOLT (13 cartons of one housing)
(Qty13) F801A (13 cartons of one reflector)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Not available with DMHL or WLP.
- Not available with 347, DMHL, EL or ELR.
- Damp lens only available with F801 reflectors.
- Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- Not available with EL or ELR.
- Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- Not recommended for field installation.
- White painted flange (TRW) standard.
- Lensed reflectors are wet location listed.

Intended Use

Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where open, baffled, wallwash and lensed reflectors are required.

Construction

Heavy-gauge die-formed galvanized steel mounting frame. Vertically adjustable mounting brackets for use with 16-gauge flat barhangers (included), C channels or

1/2" steel conduit. Junction boxes equipped with two 3/4" and four 1/2" conduit knockouts with pryout slots and removable access doors.

Utilizes an extruded socket housing that attaches to the reflector via key hole mount, which provides superior heat dissipation and extended lamp life. Socket housing also adjusts to accommodate varying lamp lengths.

Maximum ceiling thickness 1-1/2".

Electrical

Electronic ballast with end of life protection standard. Class P thermally protected ballast that protects against improper contact with insulation. Minimum starting temperature is 0°F/-18°C. Rated for #12 AWG conductor through-branch wiring. Minimum 90°C supply wire. Ground wire provided.

Listings

Fixtures are UL Listed for through-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian safety standards.

LP8FN

1-Lamp, Double Twin-Tube (DTT)
1-Lamp, Triple-Tube (TRT)



Example: LP8FN 26-42TRT 802A MVOLT

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

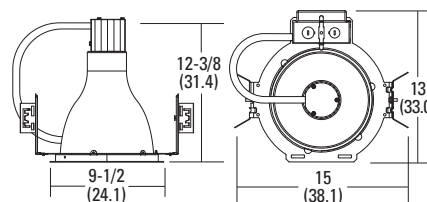
Series	Lamp type	Reflector	Lens ³	Voltage	Options
LP8FN	18DTT	Choose reflector below.	CGL Clear glass lens	MVOLT ⁴ 120 277 347 ⁵	ADEZ Advance® Mark X® electronic dimming ballast, 120V or 277V; minimum dimming level 5%
	26DTT	Housing and reflector may be ordered separately.	T73 Tempered glass prismatic lens		DMHL LUTRON® Compact SE™ electronic dimming ballast, 120V or 277V; minimum dimming level 5%
	18TRT	Lamp types and maximum wattages are listed for each reflector	PCL Clear polycarbonate lens		EL Emergency battery pack with integral test switch ⁶
	26-42TRT		ELR Emergency battery pack with remote test switch ⁶		
	26TRT		ELRHL High lumen output emergency battery pack; remote test switch provided ⁷		
	32TRT		BDP Ballast disconnect plug meets codes that require in-fixture disconnect		
	42TRT		GMF Single slow-blow fuse; specify voltage		
57TRT ²	RIF1 Radio interference filter				
			LBH Less barhangers		
			TRW White flange		
			WLP 35K Lamp (shipped separately)		

Open reflector		Baffle with specular upper reflector		Wallwash with integral kicker		Glass lens	
802	White ³	8B3	Black baffle ⁸	8W1	White	8LF1	White splay, clear lens ^{8,9}
802A	Clear diffuse ³	8B3W	White baffle ⁸	8W1A	Clear diffuse	8LFB1	Black baffle, clear lens ^{8,9}
802AZ	Clear semi-specular ³			8W1AZ	Clear semi-specular	8L4	White splay, fresnel lens ^{8,9}
802G	Gold diffuse ³			8W1G	Gold diffuse	8LB4	Black baffle, fresnel lens ^{8,9}
802GZ	Gold semi-specular ³			8W1GZ	Gold semi-specular	8LF73	White splay, tempered prismatic lens ^{8,9}
802PR	Pewter diffuse ³			8W1PR	Pewter diffuse	8LFB73	Black baffle, tempered prismatic lens ^{8,9}
802WTZ	Wheat semi-specular ³			8W1WTZ	Wheat semi-specular		

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

STANDARD PACKAGING
To order, use single master catalog number.
Example: (13) LP8FN 26-42TRT 802A MVOLT
Fixtures ship as multiple components using optimized packaging. Example above ships as:
(Qty 13) LP8FN 26-42TRT MVOLT (13 cartons of one housing)
(Qty 13) 802A (13 cartons of one reflector)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Not available with DMHL or WLP.
- Not available with 347V, DMHL, EL or ELR.
- Damp lens available with 802 reflectors.
- Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- Not available with EL or ELR.
- Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- Not recommended for field installation.
- White painted flange (TRW) standard.
- Lensed reflectors are wet location listed.

PRODUCT INFORMATION

LF6N

2-Lamp, Double Twin-Tube (DTT)



Intended Use
Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where open, baffled, wallwash and lensed reflectors are required.

Construction
Heavy-gauge die-formed galvanized steel mounting frame with mechanical trim

retention (yoke) ensures secure and flush reflector mounting to ceiling. Vertically adjustable mounting brackets for use with 16-gauge flat barhangers (included), C channels or 1/2" steel conduit. Junction boxes equipped with two 3/4" and four 1/2" conduit knockouts with pryout slots and removable access doors.

Maximum ceiling thickness 1-1/2".

Electrical
Electronic ballast with end of life protection standard. Class P thermally protected ballast that protects against improper contact with insulation. Minimum starting temperature is 0°F/-18°C. Rated for #12 AWG conductor through-branch wiring.

Minimum 90°C supply wire. Ground wire provided.

Listings
Fixtures are UL Listed for through-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian safety standards.



Example: LF6N 2/26DTT F602A MVOLT

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Series	Lamp type	Reflector	Lens ²	Voltage	Options
LF6N	2/13DTT ¹	Choose reflector below. Housing and reflector may be ordered separately. Lamp types and maximum wattages are listed for each reflector.	CGL Clear glass lens T73 Tempered glass prismatic lens PCL Clear polycarbonate lens	MVOLT ³ 120 277 347 ⁴	ADEZ Advance® Mark X® electronic dimming ballast, 120V or 277V; minimum dimming level 5%
	2/18DTT				DMHL LUTRON® Compact SE™ electronic dimming ballast, 120V or 277V; minimum dimming level 5%
	2/26DTT				EL Emergency battery pack with integral test switch ⁵ ELR Emergency battery pack with remote test switch ⁵ ELRHL2LP Emergency battery pack with remote test switch; operates two 26W (2,600 lumens average) ⁶ BDP Ballast disconnect plug meets codes that require in-fixture disconnect GMF Single slow-blow fuse; specify voltage RIF1 Radio interference filter LBH Less barhangers TRW White flange WLP 35K lamp (shipped separately)

Open reflector

- F602 White²
- F602A** Clear diffuse²
- F602AZ** Clear semi-specular²
- F602G Gold diffuse²
- F602GZ Gold semi-specular²
- F602PR Pewter diffuse²
- F602WTZ Wheat semi-specular²



2/26DTT

Baffle with specular upper reflector

- F6B3** Black baffle⁷
- F6B3W** White baffle⁷



2/26DTT

Wallwash with integral kicker

- F6W1 White
- F6W1A** Clear diffuse
- F6W1AZ** Clear semi-specular
- F6W1G Gold diffuse
- F6W1GZ Gold semi-specular
- F6W1PR Pewter diffuse
- F6W1WTZ Wheat semi-specular



2/26DTT

Open cone

- F6C3BLZ Black semi-specular



2/26DTT

Glass lens (wet location)

- F6LF3 White splay, white lens^{7,8}
- F6LFB3 Black baffle, white lens^{7,8}
- F6L4** White splay, fresnel lens^{7,8}
- F6LB4** Black baffle, fresnel lens^{7,8}
- F6LF73 White splay, tempered prismatic lens^{7,8}
- F6LFB73 Black baffle, tempered prismatic lens^{7,8}



2/26DTT

Drop glass lens (wet location)

- F6LD3** White splay, drop opal lens^{7,8}
- F6LDB3** Black baffle, drop opal lens^{7,8}



2/26DTT

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

STANDARD PACKAGING

To order, use single master catalog number.

Example: (13) **LF6N 2/26DTT F602A MVOLT**

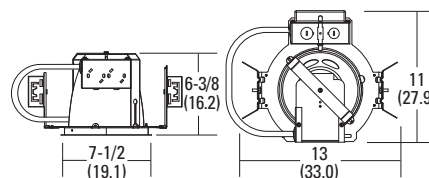
Fixtures ship as multiple components using optimized packaging.

Example above ships as:

(Qty 13) **LF6N 2/26DTT MVOLT** (13 cartons of one housing)

(Qty 13) **F602A** (13 cartons of one reflector)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Not available with ADEZ or DMHL.
- Damp lens only available with F602 reflector.
- Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- Not available with EL or ELR.
- Ships standard for one-lamp operation. For two-lamp operation, consult installation instructions or contact factory. Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- Not recommended for field installation.
- White painted flange (TRW) standard.
- Lensed reflectors are wet location listed.

Intended Use

Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where open, baffled, wallwash and lensed reflectors are required.

Construction

Heavy-gauge die-formed galvanized steel mounting frame with mechanical trim

retention (yoke) ensures secure and flush reflector mounting to ceiling. Vertically adjustable mounting brackets for use with 16-gauge flat barhangers (included), C channels or 1/2" steel conduit. Junction boxes equipped with two 3/4" and four 1/2" conduit knockouts with pryout slots and removable access doors.

Maximum ceiling thickness 1-1/2".

Electrical

Electronic ballast with end of life protection standard. Class P thermally protected ballast that protects against improper contact with insulation. Minimum starting temperature is 0°F/-18°C. Rated for #12 AWG conductor through-branch wiring.

Minimum 90°C supply wire. Ground wire provided.

Listings

Fixtures are UL Listed for through-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian safety standards.

LF6N

1- Lamp, Triple-Tube (TRT)



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: LF6N 1/26-42TRT F601A MVOLT

Series	Lamp type	Reflector	Lens ²	Voltage	Options
LF6N	1/26-42TRT¹	Choose reflector below.	CGL Clear glass lens	MVOLT³	ADEZ Advance® Mark X® electronic dimming ballast, 120V or 277V; minimum dimming level 5%
	1/26TRT	Housing and reflector may be ordered separately.	T73 Tempered glass prismatic lens	120	DMHL LUTRON® Compact SE™ electronic dimming ballast, 120V or 277V; minimum dimming level 5%
	1/32TRT	Lamp types and maximum wattages are listed for each reflector.	PCL Clear polycarbonate lens	277	EL Emergency battery pack with integral test switch ⁵
	1/42TRT			347 ⁴	ELR Emergency battery pack with remote test switch ⁵
					ELRHL High lumen output emergency battery pack; remote switch test switch provided ⁶
					BDP Ballast disconnect plug meets codes that require in-fixture disconnect
					GMF Single slow-blow fuse; specify voltage
					RIF1 Radio interference filter
					LBH Less barhangers
					TRW White flange
					WLP 35K lamp (shipped separately)

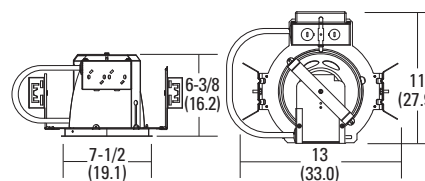
Open reflector		Baffle with specular upper reflector		Wallwash with integral kicker		Glass lens (wet location)	
F601	White ²	F6B5	Black baffle ⁷	F6W4	White	F6LS1	White splay, clear lens ^{7,8}
F601A	Clear diffuse ²	F6B5W	White baffle ⁷	F6W4A	Clear diffuse	F6LSB1	Black baffle, clear lens ^{7,8}
F601AZ	Clear semi-specular ²			F6W4AZ	Clear semi-specular	F6LS4	White splay, fresnel lens ^{7,8}
F601G	Gold diffuse ²			F6W4G	Gold diffuse	F6LSB4	Black baffle, fresnel lens ^{7,8}
F601GZ	Gold semi-specular ²			F6W4GZ	Gold semi-specular	F6LS73	White splay, tempered prismatic lens ^{7,8}
F601PR	Pewter diffuse ²			F6W4PR	Pewter diffuse	F6LSB73	Black baffle, tempered prismatic lens ^{7,8}
F601WTZ	Wheat semi-specular ²			F6W4WTZ	Wheat semi-specular		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

STANDARD PACKAGING
To order, use single master catalog number.
Example: (13) LF6N 1/26-42TRT F601A MVOLT
Fixtures ship as multiple components using optimized packaging. Example above ships as:
(Qty 13) LF6N 1/26-42TRT MVOLT (13 cartons of one housing)
(Qty13) F601A (13 cartons of one reflector)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Not available with DMHL or WLP.
- Damp lens only available with F601 reflector.
- Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- Not available with EL or ELR.
- Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- Not recommended for field installation.
- White painted flange (TRW) standard.
- Lensed reflectors are wet location listed.

PRODUCT INFORMATION

LIF6

2-Lamp, Double Twin-Tube (DTT)
IC Rated



Intended Use
New construction applications requiring high-performance horizontal reflectors using compact fluorescent lamps.

Construction
Mechanical: Pre-painted, rugged steel frame-in with adjustable integral yoke to retain optical system. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door,

four Romex knockouts, two 3/4" and four 1/2" nominal conduit knockouts with pryout slots.

Maximum ceiling thickness 1-1/2".

Electrical
Electronic ballast with end of life protection standard. Class P thermally protected ballast that protects against improper contact with insulation. Minimum starting temperature is 0°F/-18°C.

Rated for #12 AWG conductor through-branch wiring. Minimum 90°C supply wire. Ground wire provided.

Listings
Fixtures are UL Listed for through-branch wiring, IC recessed mounting, damp location, and to U.S. and Canadian safety standards.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: LIF6 2/13DTT F602A MVOLT

Series	Lamp type	Reflector	Voltage	Options
LIF6	2/13DTT	Choose reflector below. Housing and reflector may be ordered separately. Lamp types and maximum wattages are listed for each reflector.	MVOLT	BDP Ballast disconnect plug meets codes that require in-fixture disconnect PHC Poke-home wire connectors factory installed push-in terminals AT Aluminum tape seals housing to minimize air flow through rough-in; complies with WSEC and certified per ASTM E283 requirements GMF Single slow-blow fuse; specify voltage RIF1 Radio interference filter TRW White flange WLP 35K lamp (shipped separately)

Open reflector	Open cone	Baffle with specular upper reflector	Wallwash with intgral kicker	Glass lens (wet location)
F602 White F602A Clear diffuse F602AZ Clear semi-specular F602G Gold diffuse F602GZ Gold semi-specular F602PR Pewter diffuse F602WTZ Wheat semi-specular	F6C3BLZ Black semi-specular open cone	F6B3 Black baffle ² F6B3W White baffle ²	F6W1 White F6W1A Clear diffuse F6W1AZ Clear semi-specular F6W1G Gold diffuse F6W1GZ Gold semi-specular F6W1PR Pewter diffuse F6W1WTZ Wheat semi-specular	F6LF3 White splay, white lens ^{2,3} F6LFB3 Black baffle, white lens ^{2,3} F6L4 White splay, fresnel lens ^{2,3} F6LB4 Black baffle, fresnel lens ^{2,3} F6LF73 White splay, tempered prismatic lens ^{2,3} F6LFB73 Black baffle, tempered prismatic lens ^{2,3}

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

STANDARD PACKAGING

To order, use single master catalog number.

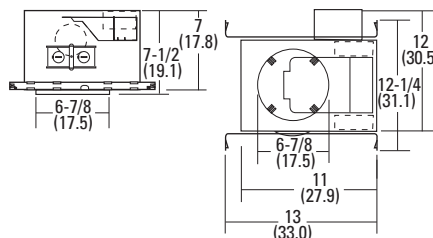
Example: (13) **LIF6 2/13DTT F602A MVOLT**

Fixtures ship as multiple components using optimized packaging. Example above ships as:

(Qty 13) **LIF6 2/13DTT MVOLT** (13 cartons of one housing)

(Qty 13) **F602A** (13 cartons of one reflector)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- 2 White painted flange (TRW) standard.
- 3 Lensed reflectors are wet location listed.

Intended Use

Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where open, baffled, wallwash and lensed reflectors are required.

Construction

Heavy-gauge die-formed galvanized steel mounting frame. Vertically adjustable mounting brackets for use with 16-gauge flat barhang-

ers (included), C channels or 1/2" steel conduit. Junction boxes equipped with two 3/4" and four 1/2" conduit knockouts with pryout slots and removable access doors.

Utilizes an extruded socket housing that attaches to the reflector via key hole mount, which provides superior heat dissipation and extended lamp life. Socket housing also adjusts to accommodate varying lamp lengths.

Maximum ceiling thickness 1-1/2".

Electrical

Electronic ballast with end of life protection standard. Class P thermally protected ballast that protects against improper contact with insulation. Minimum starting temperature is 0°F/-18°C. Rated for #12 AWG conductor through-branch wiring. Minimum 90°C supply wire. Ground wire provided.

Listings

Fixtures are UL Listed for through-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian safety standards.

LP6FN

1-Lamp, Double Twin-Tube (DTT)
1-Lamp, Triple-Tube (TRT)



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: LP6FN 26-42TRT 609A MVOLT

Series	Lamp type	Reflector	Lens ³	Voltage	Options
LP6FN	13DTT ¹	26-42TRT²	Choose reflector below.	MVOLT⁴	ADEZ Advance® Mark X® electronic dimming ballast, 120V or 277V; minimum dimming level 5%
	18DTT	18TRT	Housing and reflector may be ordered separately.		DMHL LUTRON® Compact SE™ electronic dimming ballast, 120V or 277V; minimum dimming level 5%
	26DTT	26TRT	Lamp types and maximum wattages are listed for each reflector.		EL Emergency battery pack with integral test switch ⁶
	13TRT ¹	32TRT			ELR Emergency battery pack with remote test switch ⁶
	18DTT/TRT ²	42TRT			ELRHL High lumen output emergency battery pack; remote test switch provided ⁷
			CGL Clear glass lens	120	BDP Ballast disconnect plug meets codes that require in-fixture disconnect
			T73 Tempered glass prismatic lens	277	GMF Single slow-blow fuse; specify voltage
			PCL Clear polycarbonate lens	347 ⁵	RIF1 Radio interference filter
					LBH Less barhangers
					TRW White flange
					WLP 35K lamp (shipped separately)

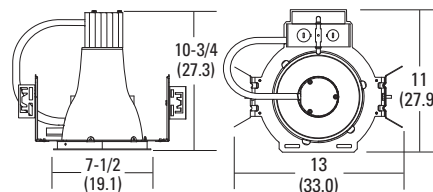
Open reflector	Baffle with diffuse upper reflector	Wallwash with integral kicker	Glass lens (wet location)
609 White ³	6B9 Black baffle ⁸	6W9 White	6LRF1 White splay, clear lens ^{8,9}
609A Clear diffuse ³	6B9W White baffle ⁸	6W9A Clear diffuse	6LRFB1 Black baffle, clear lens ^{8,9}
609AZ Clear semi-specular ³		6W9AZ Clear semi-specular	6LR4 White splay, fresnel lens ^{8,9}
609G Gold diffuse ³		6W9G Gold diffuse	6LRB4 Black baffle, fresnel lens ^{8,9}
609GZ Gold semi-specular ³		6W9GZ Gold semi-specular	6LRF73 White splay, tempered prismatic lens ^{8,9}
609PR Pewter diffuse ³		6W9PR Pewter diffuse	6LRFB73 Black baffle, tempered prismatic lens ^{8,9}
609WZT Wheat semi-specular ³		6W9WZT Wheat semi-specular	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

STANDARD PACKAGING
To order, use single master catalog number.
Example: (13) LP6FN 26-42TRT 609A MVOLT
Fixtures ship as multiple components using optimized packaging. Example above ships as:
(Qty 13) LP6FN 26-42TRT MVOLT (13 cartons of one housing)
(Qty 13) 609A (13 cartons of one reflector)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Not available with ADEZ or DMHL.
- Not available with WLP.
- Damp lens available with 609 reflectors.
- Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- Not available with EL or ELR.
- Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- Not recommended for field installation.
- White painted flange (TRW) standard.
- Lensed reflectors are wet location listed.

PRODUCT INFORMATION

LP8HN



Intended Use
New construction applications requiring high-performance vertical reflectors using HID lamps.

Construction
Heavy-gauge die-formed galvanized steel mounting frame. Vertically adjustable mounting brackets for use with 16-gauge flat barhangers (included), C channels or 1/2" steel conduit. Junction boxes equipped with two

3/4" and four 1/2" conduit knockouts with pryout slots and removable access doors. Utilizes an extruded socket housing that attaches to the reflector via key hole mount, which provides superior heat dissipation and extended lamp life. Socket housing also adjusts to accommodate varying lamp lengths. Maximum ceiling thickness 1-1/2".

Electrical
Frame-ins have medium base (ED-17) safety sockets standard rated for metal halide lamps. 347V electromagnetic ballast is encased and potted. 120/277V electronic ballast is standard for 50M, 70M and 100M. Thermally protected against improper contact with insulation and approved for through-branch circuit wiring.

Rated for #12 AWG conductor through-branch wiring. Minimum 90°C supply wire. Ground wire provided. **Listings**
Fixtures are UL Listed for through-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian safety standards.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: LP8HN 50M 802 120/277

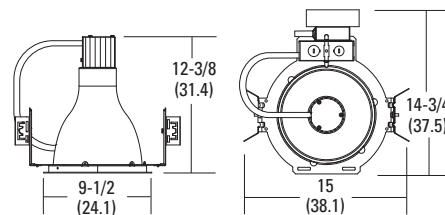
Series	Lamp type	Reflector	Lens ²	Voltage	Options
LP8HN	Metal halide	Choose reflector below.	CGL Clear glass lens	120/277	SF Single fuse; must specify voltage
	50M 50W MP50/C/U	Housing and reflector may be ordered separately.	T73 Tempered glass prismatic lens	120	LBH Less barhangers
	70M 70W MP70/C/U	Lamp types and maximum wattages are listed for each reflector.		277	TRW White flange
	100M 100W MP100/C/U			347 ³	WLP Lamp (shipped separately)

Open reflector		Baffle with specular upper reflector		Wallwash with integral kicker		Glass lens with specular upper reflector	
802	White ²	8B3	Black baffle ⁵	8W1	White	8LF1	White splay, clear lens ^{4,5}
802A	Clear diffuse ²	8B3W	White baffle ⁵	8W1A	Clear diffuse	8LFB1	Black baffle, clear lens ^{4,5}
802AZ	Clear semi-specular ²			8W1AZ	Clear semi-specular	8L4	White splay, fresnel lens ^{4,5}
802G	Gold diffuse ²			8W1G	Gold diffuse	8LB4	Black baffle, fresnel lens ^{4,5}
802GZ	Gold semi-specular ²			8W1GZ	Gold semi-specular	8LF73	White splay, tempered prismatic lens ^{4,5}
802PR	Pewter diffuse ²			8W1PR	Pewter diffuse	8LFB73	Black baffle, tempered prismatic lens ^{4,5}
802WTZ	Wheat semi-specular ²			8W1WTZ	Wheat semi-specular		

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

STANDARD PACKAGING
To order, use single master catalog number.
Example: (12) LP8HN 50M 802 120/277
Fixtures ship as multiple components using optimized packaging. Example above ships as:
(Qty 12) LP8HN 50M 120/277 (12 cartons of one housing)
(Qty 12) 802 (12 cartons of one reflector)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Ceramic arc tube consistent-color lamp. PHILIPS MASTERColor[®] or GE ConstantColor[®].
- 2 Damp lens available with 802 reflectors.
- 3 347V ballast only available with encased and potted electromagnetic ballast.
- 4 Lensed reflectors are wet location listed.
- 5 White painted flange standard.

Intended Use

New construction applications requiring high-performance vertical reflectors using HID lamps.

Construction

Heavy-gauge die-formed galvanized steel mounting frame. Vertically adjustable mounting brackets for use with 16-gauge flat barhangers (included), C channels or 1/2" steel conduit. Junction boxes equipped with two 3/4" and four 1/2" conduit

knockouts with pryout slots and removable access doors.

Utilizes an extruded socket housing that attaches to the reflector via key hole mount, which provides superior heat dissipation and extended lamp life. Socket housing also adjusts to accommodate varying lamp lengths.

Maximum ceiling thickness 1-1/2".

Electrical

Frame-ins have medium base sockets standard rated for

metal halide PAR lamps. 347V electromagnetic ballast is encased and potted. 120/277V electronic ballast is standard for 70M and 100M using PAR30, PAR38 and ceramic metal halide lamps.

Thermally protected against improper contact with insulation and approved for through-branch circuit wiring.

Rated for #12 AWG conductor through-branch wiring. Minimum 90°C supply wire. Ground wire provided.

Listings

Fixtures are UL Listed for through-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian safety standards.

LP8HN

PAR



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: LP8HN PAR 100M 802A 120/277

Series	Lamp type	Reflector	Lens ¹	Voltage	Options
LP8HN PAR	Metal halide	Color-corrected metal halide	Choose reflector below.	CGL Clear glass lens	SF Single fuse; must specify voltage
	70M 70W PAR38	70MHC 70W PAR30 or PAR38	Housing and reflector may be ordered separately.	T73 Tempered glass prismatic lens	LBH Less barhangers
	100M 100W PAR38	100MHC 100W PAR30 or PAR38	Lamp types and maximum wattages are listed for each reflector.		LPSP P30 PAR30 spot lamp (shipped separately)
					LPSP P38 PAR38 spot lamp (shipped separately)
					LPFL P30 PAR30 flood lamp (shipped separately)
					LPFL P38 PAR38 flood lamp (shipped separately)
					LPWFL P38 PAR38 wide flood lamp (shipped separately)

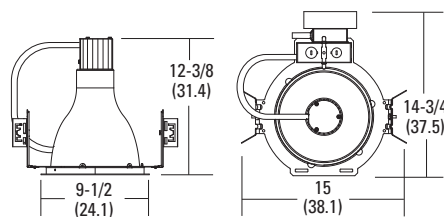
Open reflector	Baffle with specular upper reflector	Wallwash with integral kicker	Glass lens with specular upper reflector
802 White ¹	8B3 Black baffle ⁴	8W1 White	8LF1 White splay, clear lens ^{3,4}
802A Clear diffuse ¹	8B3W White baffle ⁴	8W1A Clear diffuse	8LFB1 Black baffle, clear lens ^{3,4}
802AZ Clear semi-specular ¹		8W1AZ Clear semi-specular	8L4 White splay, fresnel lens ^{3,4}
802G Gold diffuse ¹		8W1G Gold diffuse	8LB4 Black baffle, fresnel lens ^{3,4}
802GZ Gold semi-specular ¹		8W1GZ Gold semi-specular	8LF73 White splay, tempered prismatic lens ^{3,4}
802PR Pewter diffuse ¹		8W1PR Pewter diffuse	8LFB73 Black baffle, tempered prismatic lens ^{3,4}
802WTZ Wheat semi-specular ¹		8W1WTZ Wheat semi-specular	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

STANDARD PACKAGING
To order, use single master catalog number.
Example: (12) LP8HN PAR 100M 802A 120/277
Fixtures ship as multiple components using optimized packaging. Example above ships as:
(Qty 12) LP8HN PAR 100M 120/277 (12 cartons of one housing)
(Qty 12) 802A (12 cartons of one reflector)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Damp lens available with 802 reflectors.
- 347V ballast only available with encased and potted electromagnetic ballast.
- Lensed reflectors are wet location listed.
- White painted flange standard.

PRODUCT INFORMATION

LP6HN



Intended Use
New construction applications requiring high-performance vertical reflectors using HID lamps.

Construction
Heavy-gauge die-formed galvanized steel mounting frame. Vertically adjustable mounting brackets for use with 16-gauge flat barhangers (included), C channels or 1/2" steel conduit. Junction boxes equipped with two 3/4" and four 1/2" conduit

knockouts with pryout slots and removable access doors.

Utilizes an extruded socket housing that attaches to the reflector via key hole mount, which provides superior heat dissipation and extended lamp life. Socket housing also adjusts to accommodate varying lamp lengths.

Maximum ceiling thickness 1-1/2".

Electrical
Frame-ins have medium base (ED-17) safety sockets standard rated for metal halide lamps. Ballast is encased and potted, electromagnetic for 347V. For 120/277V, electronic is standard for 50M, 70M and 100M.

Thermally protected against improper contact with insulation and approved for through-branch circuit wiring.

Rated for #12 AWG conductor through-branch wiring. Minimum 90°C supply wire. Ground wire protected.

Listings
Fixtures are UL Listed for through-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian safety standards.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: LP6HN 50M 609A 120/277

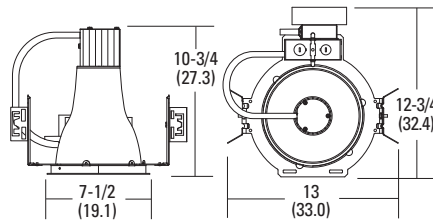
Series	Lamp type	Reflector	Lens ²	Voltage	Options
LP6HN	Metal halide	Choose reflector below. Housing and reflector may be ordered separately. Lamp types and maximum wattages are listed for each reflector.	CGL Clear glass lens T73 Tempered glass prismatic lens	120/277 120 277 347 ³	SF Single fuse; specify voltage LBH Less barhangers TRW White flange WLP Lamp (shipped separately)
	Color-corrected metal halide ¹				
	50M 50W MP50/C/U				
	70M 70W MP70/C/U				
	100M 100W MP100/C/U				

Open reflector		Baffle with diffuse upper reflector		Wallwash with integral kicker		Glass lens (wet location)	
609	White ²	6B9	Black baffle ⁵	6W9	White	6LRF1	White splay, clear lens ^{4,5}
609A	Clear diffuse ²	6B9W	White baffle ⁵	6W9A	Clear diffuse	6LRFB1	Black baffle, clear lens ^{4,5}
609AZ	Clear semi-specular ²			6W9AZ	Clear semi-specular	6LR4	White splay, fresnel lens ^{4,5}
609G	Gold diffuse ²			6W9G	Gold diffuse	6LRB4	Black baffle, fresnel lens ^{4,5}
609GZ	Gold semi-specular ²			6W9GZ	Gold semi-specular	6LRF73	White splay, tempered prismatic lens ^{4,5}
609PR	Pewter diffuse ²			6W9PR	Pewter diffuse	6LRFB73	Black baffle, tempered prismatic lens ^{4,5}
609WTZ	Wheat semi-specular ²			6W9WTZ	Wheat semi-specular		
	100M 100MPC		100M 100MPC		100M 100MPC		100M 100MPC

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

STANDARD PACKAGING
To order, use single master catalog number.
Example: (12) LP6HN 50M 609A 120/277
Fixtures ship as multiple components using optimized packaging. Example above ships as:
(Qty 12) LP6HN 50M 120/277 (12 cartons of one housing)
(Qty 12) 609A (12 cartons of one reflector)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Ceramic arc tube consistent-color lamp. PHILIPS MASTERColor® or GE ConstantColor®.
- 2 Damp lens available with 609 reflectors.
- 3 347V ballast only available with encased and potted electromagnetic ballast.
- 4 Lensed reflectors are wet location listed.
- 5 White painted flange standard.

Intended Use

New construction applications requiring high-performance vertical reflectors using HID lamps.

Construction

Heavy-gauge die-formed galvanized steel mounting frame. Vertically adjustable mounting brackets for use with 16-gauge flat barhangers (included), C channels or 1/2" steel conduit. Junction boxes equipped with two

3/4" and four 1/2" conduit knockouts with pryout slots and removable access doors.

Utilizes an extruded socket housing that attaches to the reflector via key hole mount, which provides superior heat dissipation and extended lamp life. Socket housing also adjusts to accommodate varying lamp lengths.

Maximum ceiling thickness 1-1/2".

Electrical

Frame-ins have safety sockets standard rated for metal halide PAR lamps. 347V electromagnetic ballast is encased and potted. 120/277V electronic ballast is standard for 70M and 100M using PAR30, PAR38 and ceramic metal halide lamps.

Thermally protected against improper contact with

insulation and approved for through-branch circuit wiring.

Rated for #12 AWG conductor through-branch wiring. Minimum 90°C supply wire. Ground wire protected.

Listings

Fixtures are UL Listed for through-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian safety standards.

LP6HN

PAR



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: LP6HN PAR 100M 609A 120/277

Series	Lamp type	Reflector	Lens ¹	Voltage	Options
LP6HN PAR	Metal halide	Color corrected metal halide	Choose reflector below.	CGL Clear glass lens	120/277 SF Single fuse; must specify voltage
	70M 70W PAR38	70MHC 70W PAR30 or PAR38	Housing and reflector may be ordered separately.	T73 Tempered glass prismatic lens	120 LPSP P30 PAR30 spot lamp (shipped separately)
	100M 100W PAR38	100MHC 100W PAR30 or PAR38	Lamp types and maximum wattages are listed for each reflector.		277 LPSP P38 PAR38 spot lamp (shipped separately)
				347 ²	LPFL P30 PAR30 flood lamp (shipped separately)
					LPFL P38 PAR38 flood lamp (shipped separately)
					LPWFL P38 PAR38 wide flood lamp (shipped separately)
					TRW White flange
					LBH Less barhangers

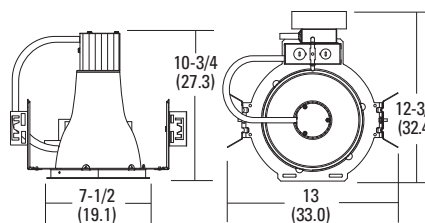
Open reflector	Baffle with diffuse upper reflector	Wallwash with integral kicker	Glass lens (wet location)
609 White ¹	6B9 Black baffle ⁴	6W9 White	6LRF1 White splay, clear lens ^{3,4}
609A Clear diffuse ¹	6B9W White baffle ⁴	6W9A Clear diffuse	6LRFB1 Black baffle, clear lens ^{3,4}
609AZ Clear semi-specular ¹		6W9AZ Clear semi-specular	6LR4 White splay, fresnel lens ^{3,4}
609G Gold diffuse ¹		6W9G Gold diffuse	6LRB4 Black baffle, fresnel lens ^{3,4}
609GZ Gold semi-specular ¹		6W9GZ Gold semi-specular	6LRF73 White splay, tempered prismatic lens ^{3,4}
609PR Pewter diffuse ¹		6W9PR Pewter diffuse	6LRF73 Black baffle, tempered prismatic lens ^{3,4}
609WTZ Wheat semi-specular ¹		6W9WTZ Wheat semi-specular	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

STANDARD PACKAGING
To order, use single master catalog number.
Example: (12) LP6HN PAR 100M 609A 120/277
Fixtures ship as multiple components using optimized packaging. Example above ships as:
(Qty 12) LP6HN PAR 100M 120/277 (12 cartons of one housing)
(Qty 12) 609A (12 cartons of one reflector)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Damp lens available with 609 reflectors.
- 2 347V ballast only available with encased and potted electromagnetic ballast.
- 3 Lensed reflectors are wet location listed.
- 4 White painted flange standard.

LP6N



Intended Use

Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where open, baffled, wallwash and lensed reflectors are required.

Construction

Heavy-gauge die-formed galvanized steel mounting frame. Attached to frame are vertically adjustable mounting brackets for use with C channels, 1/2" steel conduit

or flat hanger bars. Junction boxes equipped with two 3/4" and four 1/2" conduit knockouts with pryout slots and removable access doors.

Utilizes an extruded socket housing that attaches to the reflector via key hole mount, which provides superior heat dissipation and extended lamp life. Socket housing also adjusts to accommodate varying lamp lengths.

Maximum ceiling thickness 1-1/2".

Electrical

Durable medium-base porcelain socket with nickel-plated copper alloy screw shell and contact. Integral thermal protector provides protection against improper use of insulation materials. Rated for #12 AWG conductor through-branch wiring. Minimum 90°C supply wire. Ground wire provided.

Listings

Fixtures are UL Listed for through-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian safety standards.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: LP6N 609A

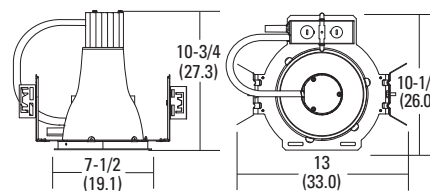
Series	Reflector	Lens ¹	Options
LP6N	Choose reflector below. Housing and reflector may be ordered separately. Lamp types and maximum wattages are listed for each reflector.	CGL Clear glass lens T73 Tempered glass prismatic lens	SDT 277V stepdown transformer (277V to 120V) TRW White flange LBH Less barhangers
Open reflector	Baffle with specular upper reflector	Wallwash with integral kicker	Glass lens (wet location)
609 White ¹ 609A Clear diffuse ¹ 609AZ Clear semi-specular ¹ 609G Gold diffuse ¹ 609GZ Gold semi-specular ¹ 609PR Pewter diffuse ¹ 609WTZ Wheat semi-specular ¹	6B9 Black baffle ² 6B9W White baffle ²	6W9 White 6W9A Clear diffuse 6W9AZ Clear semi-specular 6W9G Gold diffuse 6W9GZ Gold semi-specular 6W9PR Pewter diffuse 6W9WTZ Wheat semi-specular	6LRF1 White splay, clear lens ^{2,3} 6LRFB1 Black baffle, clear lens ^{2,3} 6LR4 White splay, fresnel lens ^{2,3} 6LRB4 Black baffle, fresnel lens ^{2,3} 6LRF73 White splay, tempered prismatic lens ^{2,3} 6LRFB73 Black baffle, tempered prismatic lens ^{2,3}
 150 A21 150 PAR38 120 BR40	 150 A21 120 BR40	 150 A21 120 BR40	 150 A21 150 PAR38 120 BR40

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

STANDARD PACKAGING
To order, use single master catalog number. Example: (13) LP6N 609A
Fixtures ship as multiple components using optimized packaging. Example above ships as: (Qty 12) LP6N J6 (two cartons of six housings) (Qty one) LP6N U (one carton of one housing) (Qty 13) 609A (13 cartons of one reflector)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Damp lens available with 609 reflectors.
- 2 White painted flange standard (TRW).
- 3 Lensed reflectors are wet location listed.

PRODUCT INFORMATION

LV



Intended Use
New construction applications requiring high-performance vertical reflectors using low-voltage lamps.

Construction
Mechanical: Rugged, galvanized steel frame-in with trim retaining clips to secure optical system. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, four Romex

knockouts, two 3/4" and four 1/2" nominal conduit knockouts with pryout slots.
Maximum ceiling thickness 1/2".

Electrical
Electrical System: Precision-wound step-down transformer with Class H insulation. For dimming control, use dimmers specifically designed for use with electromagnetic transformers. 75W MR16

maximum. Plug-in lamp connectors and snap-in socket cup. Two-pin porcelain socket with heat shield. Maximum 8 (4 in, 4 out) #12 AWG conductors. Rated 90°C supply wire. Ground wire provided. Thermally protected against improper contact with insulation and approved for through-branch circuit wiring.

Listings
Fixtures are UL Listed for through-branch wiring, non-

IC recessed mounting, damp location, and to U.S. and Canadian safety standards.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: LV VMA2AZ 120

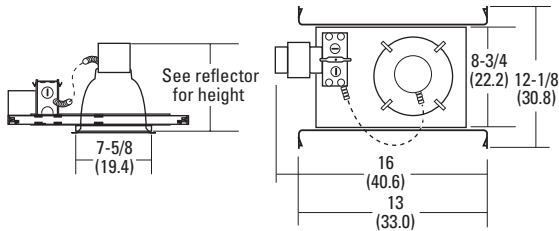
Series	Reflector ¹	Voltage
LV	Choose reflector below. Housing and reflector may be ordered separately. Lamp types and maximum wattages are listed for each reflector.	120 277 347

Adjustable cone	Baffle	Baffle adjustable	Baffle eyeball	Pinhole
VMA2AZ Clear semi-specular VMA2GZ Gold semi-specular VMA2BLZ Black semi-specular 75 MR16	VMB4 Black VMB4W White 75 MR16	VMA1 Black VMA1W White 75 MR16	VME4 Black VME4W White 75 MR16	VMS1 White with pinhole faceplate 75 MR16
VMA5 White with slotted faceplate 75 MR16	Adjustable cone VPA2AZ Clear semi-specular VPA2GZ Gold semi-specular VPA2BLZ Black semi-specular 50 PAR36	Baffle adjustable VPA1 Black VPA1W White 50 PAR36	Baffle eyeball VPE2 Black VPE2W White 50 PAR36	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

STANDARD PACKAGING
To order, use single master catalog number.
Example: (12) LV VMA2AZ 120
Fixtures ship as multiple components using optimized packaging. Example above ships as:
(Qty 12) LV 120 (12 cartons of one housing)
(Qty 12) VMA2AZ (12 cartons of one reflector)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes
1 VM reflectors utilize a MR16.
VP reflectors utilize a PAR36.

Ballast/Transformer

ADALI	Advance® ROVR™ electronic controllable ballast utilizing digital addressable lighting interface (DALI) protocol. Requires four-pin lamp (120V or 277V only.)
ADCF	Advance electronic fluorescent ballast. Requires four-pin lamp (120V or 277V only.)
ADEZ	Advance Mark X® electronic line voltage control dimming ballast. (120V or 277V; 18DTT, 26DTT, 18TRT, 26TRT, 32TRT, 42TRT or 57TRT only.) Requires four-pin lamp. Minimum dimming level 5%.
ADZT	Advance Mark VII® electronic 0-10 VDC dimming ballast. (120V or 277V.) Requires four-pin lamp. Minimum dimming level 5%.
DMHL	LUTRON® Compact SE™ electronic three-wire line voltage control dimming ballast. (120V or 277V; 18DTT, 26DTT, 18TRT, 26TRT, 32TRT or 42TRT only.) Requires four-pin lamp. Minimum dimming level 5%.
OSCF	OSRAM SYLVANIA™ electronic fluorescent ballast. Requires four-pin lamp.
TUBCF	Universal Lighting Technologies™ electronic ballast. Requires four-pin lamp.
SDT	Stepdown transformer (277V to 120V; 300W max).
RIF1	Radio interference filter. Inductive capacitor circuit designed to minimize interference from feedback into line. (120V through 347V, 50 Hz or 60 Hz.)
BDP	Ballast disconnect plug meets codes that require in-fixture disconnect.
DS	Dual switching.

Emergency

EL	Emergency battery pack with remote test switch. Ships standard for one-lamp operation. For two-lamp emergency operation, consult installation instructions or factory.
ELR	Emergency battery pack with remote test switch. Ships standard for one-lamp operation. For two-lamp emergency operation, consult installation instructions or factory.
ELRHL	High lumen output emergency battery pack. Remote test switch provided.
ELRHL-42	Emergency battery pack with remote test switch. Operates two 42W CFL lamps in emergency mode with battery back-up in case of power disruption. Average output is 2,800 lumens for two 42W lamps.
ELRHL2LP	Emergency battery pack with remote test switch. Operates two 26W or two 32W CFL lamps in emergency mode with battery back-up in case of power disruption. Average output is 2,600 lumens for two 26W lamps; average output is 2,750 lumens for two 32W lamps.
BGTD	Bodine GTD™ generator transfer device. Factory installed on fixture; senses loss of normal power and switches to auxiliary generator to power fixture for egress lighting.

Fusing

GMF	Single, slow-blow fuse. (120V, 277V or 347V only.) For use with fluorescent fixtures only.
SF	Single fuse. (120V, 277V or 347V only.)

Trim

TRW	White painted flange.
TRBL	Black painted flange.

Lamp

WLP	Lamp (shipped separately).
LPSP	Spot lamp (shipped separately).
LPFL	Flood lamp (shipped separately).
LPWFL	Wide flood lamp (shipped separately).

		OPTIONS COMPATIBILITY													
		LF8N 1/TRT	LF8N 2/TRT	LF8N 2/DTT	LP8FN	LF6N 1/TRT	LF6N 2/DTT	LIF6	LP6FN	LP8HN	LP6HN	LP8N	LP6N	LV	
		Available (blank)	Not available												
Options - Must be ordered with housing or frame-in.															
BALLAST/ TRANSFORMER	ADALI	■	■	■	■	■	■	■	■	■	■	■	■	■	
	ADCF	■	■	■	■	■	■	■	■	■	■	■	■	■	
	ADEZ	■	■	■	■	■	■	■	■	■	■	■	■	■	
	ADZT	■	■	■	■	■	■	■	■	■	■	■	■	■	
	DMHL	■	■	■	■	■	■	■	■	■	■	■	■	■	
	OSCF	■	■	■	■	■	■	■	■	■	■	■	■	■	
	TUBCF	■	■	■	■	■	■	■	■	■	■	■	■	■	
	SDT												■	■	
	RIF1	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	BDP	■	■	■	■	■	■	■	■	■	■	■	■	■	■
EMERGENCY	DS														
	EL	■	■	■	■	■	■	■	■	■	■	■	■	■	
	ELR	■	■	■	■	■	■	■	■	■	■	■	■	■	
	ELRHL	■	■	■	■	■	■	■	■	■	■	■	■	■	
	ELRHL-42		■	■	■	■	■	■	■	■	■	■	■	■	
	ELRHL2LP		■	■	■	■	■	■	■	■	■	■	■	■	
FUSING	GMF	■	■	■	■	■	■	■	■	■	■	■	■	■	
	SF									■	■				
TRIM	TRW	■	■	■	■	■	■	■	■	■	■	■	■	■	
	TRBL	■	■	■	■	■	■	■	■	■	■	■	■	■	
LAMP	WLP	■	■	■	■	■	■	■	■	■	■	■	■	■	
	LPSP									■	■				
	LPFL									■	■				
MISCELLANEOUS	AT								■						
Accessories - Must be ordered separately.															
CEILING THICKNESS EXTENDER	CTE6									■	■		■		
	CTE8				■					■		■			
SLOPED CEILING ADAPTOR	SCA6					■	■	■	■		■		■	■	
	SCA8	■	■	■	■					■		■			
OVERSIZED TRIM RING	CTR6					■	■	■	■		■		■		

Miscellaneous

AT	Sealed airtight housing to minimize air flow through frame-in. Complies with WSEC and certified per ASTM E283.
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Accessories

CTE6	Use when ceiling thickness is greater than 1"–1-1/2". Maximum thickness 2". For use with 6" vertical reflectors only.
CTE8	Use when ceiling thickness is greater than 1"–1-1/2". Maximum thickness 2". For use with 8" vertical reflectors only.
SCA	Sloped ceiling adaptor. Compatible with 8" and 6" commercial fixtures. Available in 5° increments, 10° to 30°. White only. See chart for fixture compatibility. Ex: SCA6 15D
CTR6	8-3/4" O.D. Use with F6 and 6 Series trims. Compatible with all 7-5/8" flanged trims only.

COLOR FILTERS/SPECIALTY LENSES	
For use on 6" low-voltage trims using a MR16 lamp. Not for use on 4" low-voltage trims. See page 373 for complete selection.	
F200 DB	Dark blue
F200 MA	Medium amber
F200 MB	Medium blue
F200 MG	Medium green
F200 MP	Medium pink
F200 RR	Ruby red
F200 UV	Ultra violet
F200 SL	Spread lens
F200 EG	Elongating lens
F200 SFG	Softening lens



LITHONIA RESIDENTIAL RECESSED

Lithonia Lighting offers a complete line of residential recessed products to meet the varying needs of our customers. The recessed line offers products with 3", 5" and 6" apertures in incandescent, low-voltage and compact fluorescent sources.

Our housings are designed to provide the easiest installation in the industry while requiring the fewest SKUs for standard applications. All our recessed trims offer a full reflector design, which maximizes lamp position and provides an exceptional overall appearance.



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L3 L3R



Intended Use
Recessed incandescent housings for 2x8 and 2x6 new construction (L3) or remodel (L3R) applications. Approved for direct burial in insulation and all ceiling and wiring types.

Construction
L3: Air-tight, galvanized steel pan with aluminum can and junction box with four built-in ROMEX® clamps and ground wire. Rated for 90°C. Factory-installed captive

bar hangers that span up to 24 o.c. and feature stepped shank nail with integral T-bar locks. Two locking screws hold fixture position. Socket clips to trim to ensure proper and consistent lamp position. Suitable for ceilings up to 1-1/2" thick.

L3R: Air-tight aluminum housing with heavy-gauge galvanized steel raceway arm. Remodel clips for installation in existing plaster, sheet rock or mechanical ceilings.

Galvanized steel junction box with three built-in ROMEX® clamps and ground wire. Not suitable for pulling wires. Rated for 90°C. Socket clips to trim to ensure proper and consistent lamp position.

Listings
UL Listed to U.S. and Canadian safety standards.



Example: L3 3B1

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Series	Reflector	Options
L3 L3R Housings sold in resale packs of six (R6).	Choose reflector below. Torsion springs will be designated with a Housing and reflector may be ordered separately.	PHC Poke-home wire connectors

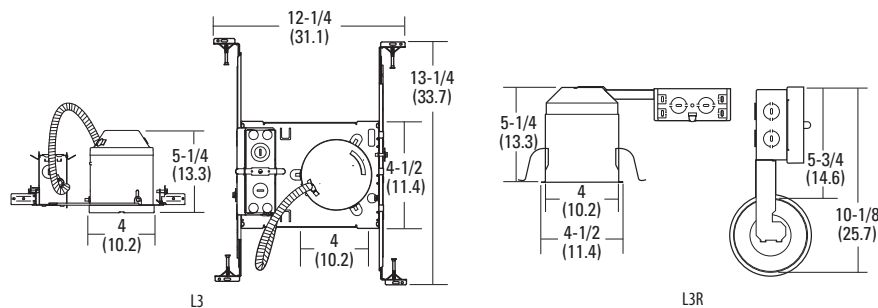
IC/Non-IC Rated Full Reflectors: All reflectors are damp location listed. WETlite™ is wet location listed. Lamp types and maximum wattages are listed for each reflector. White flange standard, except as noted.

Open narrow flange	Shallow baffle	Deep baffle	Eyeball	Wallwash
301 White 301BN Brushed nickel ¹ 301ORB Oil-rubbed bronze ¹ 301BZA Antique bronze ¹ IC 30 R20 35 PAR20 Non-IC 50 PAR20	3B1 Black 3B1W White 3B1BN Brushed nickel ¹ 3B1ORB Oil-rubbed bronze ¹ 3B1BZA Antique bronze ¹ IC 35 PAR20 50 PAR20 (3B1W only) 50 R20 (3B1W only) Non-IC 50 PAR20	3B2 Black baffle 3B2W White baffle IC 30 R20 (3B2W only) 35 PAR20 (3B2W only) Non-IC 50 PAR20 (3B2 only) 50 R20	3E1 White 3E1BN Brushed nickel ¹ 3E1ORB Oil-rubbed bronze ¹ 3E1BZA Antique bronze ¹ IC 50 R20 50 PAR20	3W1 White Non-IC 50 R20 50 PAR20
Pinhole	WETlite™			
3S1 White IC 35 PAR20 Non-IC 50 PAR20	3H20 White 3H20PC Polished chrome ¹ 3H20BN Brushed nickel ¹ 3H20ORB Oil-rubbed bronze ¹ 3H20BZA Antique bronze ¹ IC 75PAR30 (lamp included)			

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

ACCESSORIES	
ORDER SEPARATELY	
CTR3	3" goof ring, white
ATK3 R6	3" air-tight trim kit

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes
1 Flange matches trim finish. Please consult www.lithonia.com for a full listing of Contractor Select products.

PRODUCT INFORMATION

Intended Use

Recessed incandescent housings for 2x8 new construction (L5) or remodel construction (LSR). Approved for direct burial in insulation and all ceiling and wiring types.

Construction

L5: Air-tight, galvanized steel pan with aluminum can and junction box with four built-in ROMEX® clamps and

ground wire. Rated for 90°C. Factory-installed captive bar hangers that span up to 24 o.c. and feature stepped shank nail with integral T-bar locks. Two locking screws hold fixture position. Socket clips to trim to ensure proper and consistent lamp position.

LSR: Air-tight aluminum housing with heavy-gauge galvanized steel raceway arm. Remodel clips for installation in existing plaster, sheet

rock or mechanical ceilings. Galvanized steel junction box with three built-in ROMEX® clamps and ground wire. Not suitable for pulling wires. Rated for 90°C. Socket clips to trim to ensure proper and consistent lamp position.

Trim retention (clips): Retaining clips riveted to top of reflector hold trim inside housing.

Trim retention (TOR): Two side-mounted torsion springs on the trim and two receiving brackets in the can, ensure a consistently tight fit with the ceiling.

Suitable for ceilings up to 1-1/2" thick.

Listings

UL Listed to U.S. and Canadian safety standards.

**L5
LSR**



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: L5 5B2W TOR

Series	Reflector	Options
L5 LSR Housings sold in resale packs of six (R6).	Choose reflector below. Torsion springs will be designated with a TOR in the nomenclature. Riveted clips will have no designator. Housing and reflector may be ordered separately.	PHC Poke-home wire connectors.

IC Rated Full Reflectors: All reflectors are damp location listed. Lensed and WETlite™ reflectors are wet location listed. These IC trims also can be used in Non-IC applications when using lamps and wattages listed below. White flange standard, except as noted.

Open wide flange	Open narrow flange	Shallow baffle	Deep baffle	Eyeball
501 TOR White 501BN TOR Brushed nickel ¹ 501ORB TOR Oil-rubbed bronze ¹ 501BZA TOR Antique bronze ¹ IC 50 R20 65 BR40 75 PAR30	502 TOR White 502A Clear diffuse 502AZ Clear specular 502BLZ Black specular IC 50 R20 65 BR40 60 PAR38 (Anodized) 75PAR30 (short neck)	5B1 TOR Black 5B1W TOR White IC 50 R20 50 PAR20 75 PAR30 (short neck)	5B2 TOR Black 5B2W TOR White 5B2BN TOR Brushed nickel ¹ 5B2ORB TOR Oil-rubbed bronze ¹ 5B2BZA TOR Antique bronze ¹ IC 50 R20 65 BR30 50PAR30 60 PAR38	5E1 White 5E1BN Brushed nickel ¹ 5E1ORB Oil-rubbed bronze ¹ 5E1BZA Antique bronze ¹ IC 50 R20 65 BR30 50 PAR20 75 PAR30 (long neck)
Polycarbonate lens	WETlite™			
5LD1 Drop opal IC 40 A19	5H2O TOR White 5H2OBN TOR Brushed nickel ¹ 5H2OORB TOR Oil-rubbed bronze ¹ 5H2OBZA TOR Antique bronze ¹ IC 75 PAR38 (lamp included)			

ADDITIONAL INFORMATION

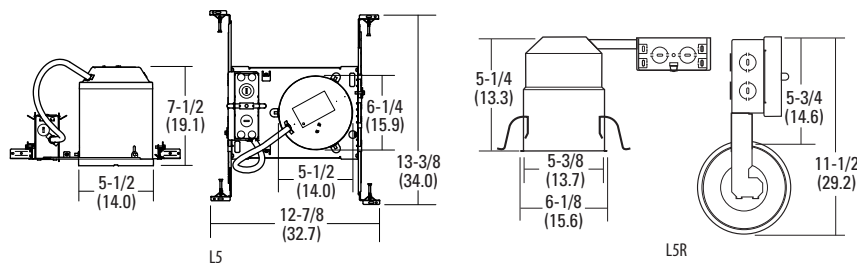
For additional product information, visit www.lithonia.com.

ACCESSORIES

ORDER SEPARATELY

CTR5	5" goof ring, white
ATK5 R6	5" air-tight trim kit

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

1 Flange matches trim finish. Please consult www.lithonia.com for a full listing of Contractor Select products.

L7X L7XR



Intended Use
Recessed incandescent housings for 2x8 new construction (L7X) or remodel construction (L7XR). Approved for direct burial in insulation and all ceiling and wiring types.

Construction
L7X: Air-tight, galvanized steel pan with aluminum can and junction box with four built-in ROMEX® clamps and ground wire. Rated for 90°C. Factory-installed captive bar hangers that span up to 24 o.c. and feature stepped

shank nail with integral T-bar locks. Two locking screws hold fixture position. Socket clips to trim to ensure proper and consistent lamp position.

L7XR: Air-tight aluminum housing with heavy-gauge galvanized steel raceway arm. Remodel clips for installation in existing plaster, sheet rock or mechanical ceilings. Galvanized steel junction box with three built-in ROMEX® clamps and ground wire. Not suitable for pulling wires. Rated for 90°C.

Socket clips to trim to ensure proper and consistent lamp position.

Trim retention (clips): Retaining clips riveted to top of reflector hold trim inside housing.

Trim retention (TOR): Two side-mounted torsion springs on the trim and two receiving brackets in the can, ensure a consistently tight fit with the ceiling.

Suitable for ceilings up to 1-1/2" thick.

Listings
UL Listed to U.S. and Canadian safety standards.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: L7X 7B2W TOR

Series	Reflector	Options
L7X L7XR Housings sold in resale packs of six (R6).	Choose reflector below. Torsion springs will be designated with a TOR in the nomenclature. Riveted clips will have no designation. Housing and reflector may be ordered separately. ³	PHC Poke-home wire connectors

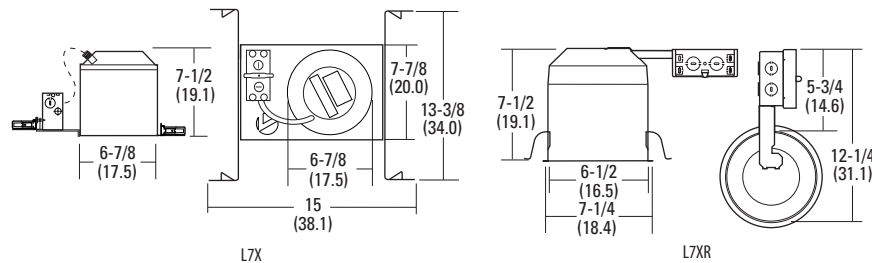
IC/Non-IC Rated Full Reflectors: All reflectors are damp location listed. Lensed reflectors are wet location listed. Lamp type and maximum wattages are listed for each trim. White flange standard, except as noted.

Open wide flange	Open narrow flange	Open narrow flange	Baffle narrow flange	Baffle narrow flange
703 TOR White IC 75 PAR30 65 BR30	702 TOR White ¹ 702A Clear diffuse 702AZ Clear specular 702BLZ Black specular IC 65 BR30 75 PAR30	705 TOR White ¹ 705A Clear diffuse 705AZ Clear specular 705BLZ Black specular Non-IC 120 PAR38 120 BR40	7B2 TOR Black 7B2W TOR White ¹ 7B2BN TOR Brushed nickel ² 7B2ORB TOR Oil-rubbed bronze ² 7B2BZA TOR Antique bronze ² IC 65 BR30 75 PAR30	7B5 Black 7B5W White ¹ Non-IC 120 BR40 120 PAR38
Baffle wide flange	Eyelid wallwash	Eyeball	Polycarbonate lens	
7B3 TOR Black 7B3W TOR White IC 75 PAR30 65 BR30	7W1 White IC 40 A19	7E1 TOR White 7E1BN TOR Brushed nickel ² 7E1ORB TOR Oil-rubbed bronze ² 7E1BZA TOR Antique bronze ² IC 65 BR30 75 PAR30	7LD1 Drop opal ¹ IC 40 A19	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

ACCESSORIES	
ORDER SEPARATELY	
CTR6	6" goof ring, white
ATK6 R6	6" air-tight trim kit

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For plastic flange, add suffix PF to catalog number (Example: 702 PF).
- Flange matches trim finish.
- 6 and C series trims also compatible trim options.

Please consult www.lithonia.com for a full listing of Contractor Select products.

PRODUCT INFORMATION

Intended Use

Recessed incandescent housings for 2x6 new construction (L7X) or remodel construction (L7XR). Approved for direct burial in insulation and all ceiling and wiring types.

Construction

L7XP: Air-tight, galvanized steel pan with aluminum can and junction box with four built-in ROMEX® clamps and ground wire. Rated for 90°C. Factory-installed captive

bar hangers that span up to 24 o.c. and feature stepped shank nail with integral T-bar locks. Two locking screws hold fixture position. Socket clips to trim to ensure proper and consistent lamp position.

L7XPR: Air-tight aluminum housing with heavy-gauge galvanized steel raceway arm. Remodel clips for installation in existing plaster, sheet rock or mechanical ceilings. Galvanized steel junction box

with three built-in ROMEX® clamps and ground wire. Not suitable for pulling wires. Rated for 90°C. Socket clips to trim to ensure proper and consistent lamp position.

Trim retention (clips): Retaining clips riveted to top of reflector hold trim inside housing.

Trim retention (TOR): Two side-mounted torsion springs on the trim and two receiving brackets in the can, ensure

a consistently tight fit with the ceiling.

Suitable for ceilings up to 1-1/2" thick.

Listings

UL Listed to U.S. and Canadian safety standards.

L7XP L7XPR



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: L7XP 701 TOR

Series	Reflector	Options
L7XP L7XPR Housings sold in resale packs of six (R6).	Choose reflector below. Torsion springs will be designated with a TOR in the nomenclature. Riveted clips will have no designation. Housing and reflector may be ordered separately. ³	PHC Poke-home wire connectors

IC Rated Full Reflectors: All reflectors are damp location listed. Lensed reflectors are wet location listed. These IC reflectors also can be used in Non-IC applications when using the lamps and wattages listed below. White flange standard.

Open wide flange	Baffle narrow flange	Baffle wide flange	Eyelid wallwash	Eyeball
701 TOR White IC 65 BR30 75 PAR30	7B0W White IC 65 BR30 75 PAR30	7B1 Black 7B1W TOR White IC 65 BR30 75 PAR30	7W1 White IC 40 A19	7E1 TOR White 7E1BN TOR Brushed nickel ² 7E1ORB TOR Oil-rubbed bronze ² 7E1BZA TOR Antique bronze ² IC 65 BR30 75 PAAR30
Regressed eyeball	Polycarbonate lens	Polycarbonate lens		
7RE1 White IC 65 BR30 75 PAR30	7LD1 Drop opal ¹ IC 40 A19	7LD2 Drop prismatic ¹ IC 40 A19		

ADDITIONAL INFORMATION

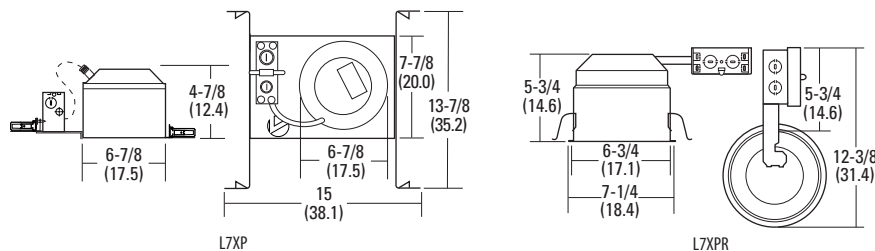
For additional product information, visit www.lithonia.com.

ACCESSORIES

ORDER SEPARATELY

CTR6	6" goof ring, white
ATK6 R6	6" air-tight trim kit

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For plastic flange, add suffix PF to catalog number (Example: 7LD1 PF).
- Flange matches trim finish.
- C series trims also compatible trim options.

Please consult www.lithonia.com for a full listing of Contractor Select products.

LC6



Intended Use
Recessed incandescent housing for 2x8 new construction rated IC and Non-IC. Approved for direct burial in insulation. Not for pulling wires.

Construction
Air-tight, aluminum housing with engineering-grade thermoplastic frame and

junction box with four built-in ROMEX® clamps and ground wire. Pre-assembled poke-home connectors for ease of wiring.

Rated for 90°C. Factory-installed captive bar hangers that span up to 24 o.c. and feature stepped shank nail with integral T-bar locks.

Two locking screws hold fixture position. Socket clips to trim to ensure proper and consistent lamp position. Trim retention (clips): Retaining clips riveted to top of reflector hold trim inside housing.

Trim retention (TOR option): Two side-mounted torsion springs on the trim and two receiving brackets in the can,

ensure a consistently tight fit with the ceiling.

Suitable for ceilings up to 1-1/2" thick.

Listings
UL Listed to U.S. and Canadian safety standards.



Example: LC6 602 TOR

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Series	Reflector
LC6 Housings sold in resale packs of six (R6).	Choose reflector below. Torsion springs will be designated with a TOR in the nomenclature. Riveted clips will have no designation. Housing and reflector may be ordered separately. ³

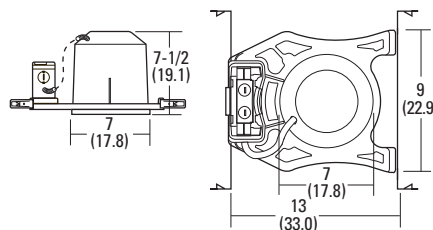
IC/Non-IC Rated Full Reflectors: All reflectors are damp location listed. Lensed reflectors are wet location listed. Lamp type and maximum wattages are listed for each reflector. White flange standard, except as noted.

Open wide flange	Deep open, narrow flange	Shallow open, narrow flange	Baffle wide flange	Baffle narrow flange
601 White 601 TOR White 601BN TOR Brushed nickel ¹ 601ORB TOR Oil-rubbed bronze ¹ 601BZA TOR Antique bronze ¹	602 White 602 TOR White 602A TOR Clear diffuse 602AZ TOR Clear specular 602BN TOR Brushed nickel ¹ 602ORB TOR Oil-rubbed bronze ¹ 602BZA TOR Antique bronze ¹	603AZ Clear specular	6B1 Black 6B1 TOR Black 6B1W White 6B1W TOR White 6B1BN TOR Black baffle/brushed nickel flange ¹	6B2 Black 6B2W White 6B2BN TOR Black baffle/brushed nickel flange ¹
 IC 65 BR30 75 PAR30	 Non-IC 100 A19 120 BR40 150 PAR38 IC 65 BR40	 Non-IC 100 A19 150 PAR38 120 BR40	 IC 40 A19 65 BR30 75 PAR30	 Non-IC 100 A19 120 BR40 150 PAR38
Baffle, narrow flange	Clear diffused upper reflector, baffle	Clear diffused upper reflector, cone	Baffle eyeball	Regressed with baffle trim
6B4 Black 6B4W White	6B3 Black baffle 6B3W White baffle	6C3AZ Clear specular 6C3BLZ Black specular	40° vertical tilt 6E2 White/black baffle	40° vertical tilt 6RE1 White/black baffle trim 6RE1W White/white baffle trim
 Non-IC 100 A19 120 BR40 150 PAR38	 Non-IC 100 A19 120 BR40 150 PAR38	 Non-IC 100 A19 120 BR40 150 PAR38	 IC 65 BR30 75 PAR30	 IC 65 BR30 75 PAR30
Regressed w/ baffle trim and eyeball	WETlite™	Polycarbonate lens	Glass lens	
40° vertical tilt 6RE2 White with black baffle trim 6RE2W White with white baffle trim	6H20 TOR White 6H20BN TOR Brushed nickel ¹ 6H20ORB TOR Oil-rubbed bronze ¹ 6H20BZA TOR Antique bronze ¹	6LF1 Flush opal ² 6LF2 Flush prismatic ² 6LD1 Drop opal ² 6LD2 Drop prismatic ²	6LD3 Drop opal 6LF3 Flat white 6L4 Fresnel 6LDB3 Drop opal baffle 6LFB3 Flat white baffle 6LB4 Fresnel baffle	
 IC 65 BR30 75 PAR30	 IC 75 PAR30 75 PAR38	 IC 60 A19	 IC 75 A19	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

ACCESSORIES ORDER SEPARATELY	
CTR6	6" goof ring, white
ATK6 R6	6" air-tight trim kit

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Flange matches trim finish.
- 2 For plastic flange, add suffix PF to catalog number (Example: 6LFT PF)
- 3 7 and C series trims also compatible trim options.

PRODUCT INFORMATION

Intended Use

Recessed incandescent housing for 2x6 new construction. Approved for direct burial in insulation. Not for pulling wires.

Construction

Air-tight, aluminum housing with engineering-grade

thermoplastic frame and junction box with four built-in ROMEX® clamps and ground wire. Pre-assembled poke-home connectors for ease of wiring. Rated for 90°C. Factory-installed captive bar hangers that span up to 24 o.c. and feature stepped shank nail with integral T-bar

locks. Two locking screws hold fixture position. Socket clips to trim to ensure proper and consistent lamp position.

Trim retention (clips): Retaining clips riveted to top of reflector hold trim inside housing.

Trim retention (TOR): Two side-mounted torsion springs

on the trim and two receiving brackets in the can, ensure a consistently tight fit with the ceiling.

Suitable for ceilings up to 1-1/2" thick.

Listings

UL Listed to U.S. and Canadian safety standards.

LCP



Example: LCP CB1W TOR



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Series

LCP

Housings sold in resale packs of six (R6).

Reflector

Choose reflector below. Torsion springs will be designated with a TOR in the nomenclature. Riveted clips will have no designation. Housing and reflector may be ordered separately.

IC Rated Full Reflectors: All reflectors are damp location listed. Lensed trims are wet location listed. These IC reflectors also can be used in Non-IC applications when using lamps and maximum wattages listed below. White flange standard, except as noted.

Open wide flange		Open narrow flange		Baffle narrow flange		Open eyeball		Baffled eyeball	
CO1	White	CO2	White	CB1	Black	CE1	White	CE2	Black baffle
CO1 TOR	White	CO2A	Clear diffuse ¹	CB1 TOR	Black			CE2W	White baffle
CO1BN TOR	Brushed nickel ¹	CO2AZ	Clear specular ¹	CB1W	White				
CO10RB TOR	Oil-rubbed bronze ¹			CB1W TOR	White				
CO1BZA TOR	Antique bronze ¹								
	IC 65 BR30 75 PAR30		IC 65 BR30 75 PAR30		IC 65 BR30 75 PAR30		IC 65 BR30 75 PAR30		IC 65 BR30 75 PAR30
Shielded wallwash		Shielded pinhole		Polycarbonate lens		Polycarbonate lens			
7W1	White	CS1	White	CLD1	Drop opal ²	CLF1	Flush opal ²		
	IC 40 A19		IC 40 A19 50 R20 50 PAR20		IC 40 A19		IC 40 A19		

ADDITIONAL INFORMATION

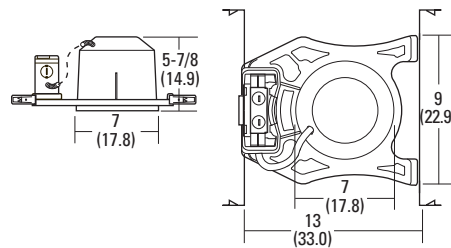
For additional product information, visit www.lithonia.com.

ACCESSORIES

ORDER SEPARATELY

CTR6	6" goof ring, white
ATK6 R6	6" air-tight trim kit

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Flange matches trim finish.
- 2 For plastic flange, add suffix PF to catalog number (Example: CLD1 PF).

LI6



Intended Use
Recessed incandescent housings for 2x8 new construction. Approved for direct burial in insulation and all ceiling and wiring types.

Construction
Pre-painted steel housing.
Galvanized steel junction box with four built-in ROMEX®

clamps; six 3/4" knockouts with slots for pryout. Rated for through-branch wiring.
Galvanized bar hangers span up to 24" o.c. and feature built-in nailer and T-bar clips.
Rated for 90°C.
Socket clips to reflector to ensure proper and consistent lamp position.

Trim retention: Housing ships with retention clips which secure reflector upon installation.
Listings
UL Listed to U.S. and Canadian safety standards.



Example: LI6 6S01

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Series	Reflector	Options
LI6 Housings sold in resale packs of six (R6).	Choose reflector below. Housing and reflector may be ordered separately.	AT Sealed airtight housing to minimize air flow through housing; complies with WSEC and ASTM E283.

IC Rated Full Reflectors: All reflectors are damp location listed. These IC reflectors also can be used in Non-IC applications using lamps and maximum wattages listed below. White flange standard.

Open wide flange		Deep open narrow flange		Baffle wide flange		Baffle narrow flange		Baffle narrow flange	
601	White IC 60 A19 65 BR30 75 PAR30	602	White 602A Clear diffuse 602AZ Clear specular IC 60 A19 (white only) 75 A19 (others) 90 BR40 100 PAR38	6B1	Black 6B1W White IC 40 A19 65 BR30 75 PAR30	6B4	Black 6B4W White IC 75 A19 90 BR40 100 PAR38	6B2	Black 6B2W White IC 40 A19 65 BR30/BR40 75 PAR30 75 PAR38
Cone, clear diffused upper reflector		Sloped baffle		Sloped open		Eyeballs open		Eyelid wallwash	
6C3AZ	Clear specular 6C3BLZ Black specular IC 100 A19 100 PAR38 90 BR40	6SB1	Black baffle 6SB1W White baffle IC 65 BR30 75 PAR30 90 BR40 100 PAR38	6S01	White IC 65 BR30 75 PAR30 90 BR40 100 PAR38	6E1	White IC 65 BR30 75 PAR30	6W1	White IC 40 A19

Lenses

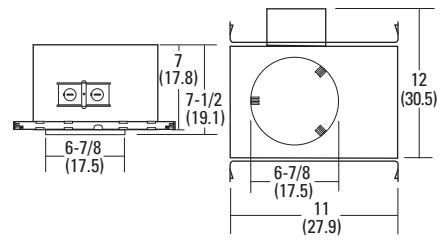
6LD3	Drop opal, white splay	
6LDB3	Drop opal, baffle splay	
6LF3	Flat white, white splay	
6LFB3	Flat white, baffle splay	
6L4	Fresnel, white splay	
6LB4	Fresnel, baffle splay	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

ACCESSORIES
ORDER SEPARATELY

CTR6	6" goof ring, white
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Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



L7XF L7XFR



Intended Use
Recessed housing rated IC or Non-IC for 2x8 new construction (L7XF) and remodel (L7XFR) applications. Approved for direct burial in insulation.

Construction
L7XF: Air-tight aluminum housing with galvanized steel pan. Factory-installed captive bar hangers that span up to 24 o.c. and feature stepped shank nail with integral T-bar locks. Two locking screws hold fixture in position. Galvanized steel

junction box with four built-in ROMEX® clamps; four 1/2" and two 3/4" knockouts with slots for pryout.

L7XFR: Air-tight aluminum housing with three remodel clips for installation in existing plaster, sheet rock or mechanical ceilings. Heavy-gauge galvanized steel raceway arm. Galvanized steel junction box with four built-in ROMEX® clamps and five 1/2" knockouts with slots for pryout. Not suitable for pulling wires.

Rated for 90°C. Ground wire provided. Removable J-box door for easy access.

Trim retention (clips): Retaining clips riveted to top of reflector hold trim inside housing.

Trim retention (TOR): Two side-mounted torsion springs on the trim and two receiving brackets in the can, ensure a consistently tight fit with the ceiling.

Suitable for ceilings up to 1-1/2" thick.

Electrical
Electronic 120V ballast with end of life protection. Class P thermally protected ballast protects against improper contact with insulation.

Socket base: 13W four-pin DTT (G24Q-1), TRT (GX24Q-1); 18W four-pin DTT (G24Q-2), TRT (GX24Q-2); 26W four-pin TRT (GX24Q-3).

Listings
UL Listed to U.S. and Canadian safety standards.

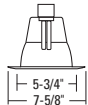
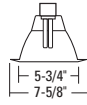
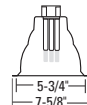
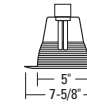
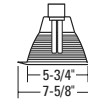
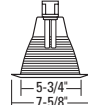
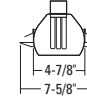
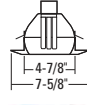

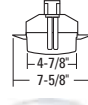


ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: L7XF26T 120 7B2W

Series	Voltage	Reflector	Options
<p><u>New construction</u></p> <p>L7XF13T 13W TRT</p> <p>L7XF13D 13W DTT</p> <p>L7XF18T 18W TRT</p> <p>L7XF18D 18W DTT</p> <p>L7XF26T 26W TRT</p>	<p>120</p>	<p>Choose reflector below. Torsion springs will be designated with a TOR in the nomenclature. Riveted clips will have no designation. Housing and reflector may be ordered separately.³</p>	<p>GMF Single slow-blow fuse</p> <p>GSKT Foam gasketing, aids in air-tight installation</p> <p>PHC Poke-home wire connectors</p> <p>ADEBD Advance® AmbiStar electronic dimming ballast; Class B FCC EMI rating; available in 26W 120V only; optimal dimming range 15%-100% light output</p> <p>WLP 35K four-pin lamp (shipped separately)</p>
<p><u>Remodel</u></p> <p>L7XFR13T 13W TRT</p> <p>L7XFR13D 13W DTT</p> <p>L7XFR18T 18W TRT</p> <p>L7XFR18D 18W DTT</p> <p>L7XFR26T 26W TRT</p> <p>Housings sold in resale packs of six (R6).</p>			

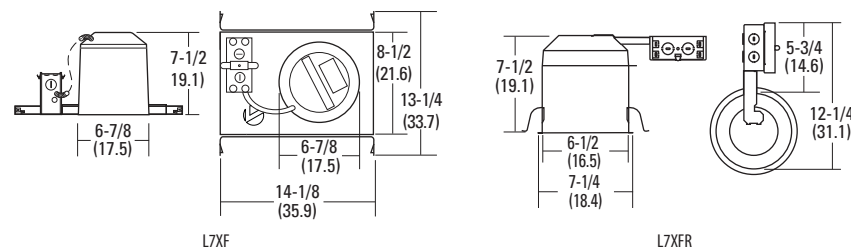
IC Rated Full Reflectors: All reflectors are damp location listed. Lensed reflectors are listed for wet locations. These IC reflectors can also be used in Non-IC applications when using the lamps and wattages listed below. White flange standard, except as noted.

Open wide flange	Open narrow flange	Open deep narrow flange	Baffle wide flange	Baffle narrow flange
<p>703 TOR White</p>  <p>IC 13DTT 26TRT</p>	<p>702 TOR White¹</p> <p>702A Clear diffuse</p> <p>702AZ Clear specular</p> <p>702BLZ Black specular</p>  <p>IC 13DTT 26TRT</p>	<p>705 White</p> <p>705A Clear diffuse</p> <p>705AZ Clear specular</p> <p>705BLZ Black specular</p>  <p>IC 13DTT 26TRT</p>	<p>7B3 TOR Black</p> <p>7B3W TOR White</p>  <p>IC 13DTT 26TRT</p>	<p>7B2 TOR Black</p> <p>7B2W TOR White¹</p> <p>7B2BN TOR Brushed nickel²</p> <p>7B2ORB TOR Oil-rubbed bronze²</p> <p>7B2BZA TOR Antique bronze²</p>  <p>IC 13DTT 26TRT</p>
<p>Baffle narrow flange</p> <p>7B5 Black</p> <p>7B5W White¹</p>  <p>IC 18DTT 26TRT</p>	<p>Eyeball wide flange</p> <p>7E1TOR White</p> <p>7E1BN TOR Brushed nickel²</p> <p>7E1ORB TOR Oil-rubbed bronze²</p> <p>7E1BZA TOR Antique bronze²</p>  <p>IC 18TRT</p>	<p>Regressed eyeball, wide flange</p> <p>7RE1 White</p>  <p>IC 18TRT</p>	<p>Wallwash narrow flange</p> <p>7W1 White</p>  <p>IC 13DTT 13TRT</p>	<p>Polycarbonate lens</p> <p>7LD1 Drop opal¹</p>  <p>IC 13TRT</p>

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

ACCESSORIES	
ORDER SEPARATELY	
CTR6	6" goof ring, white
ATK6 R6	6" air-tight trim kit

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



- Notes**
- For plastic flange, add suffix PF to catalog number (Example: 7B2W TOR PF).
 - Flange matches trim finish.
 - 6 series trims also compatible trim option.

L7XF MVOLT



Intended Use

Recessed housing rated IC and Non-IC. For new construction only. Approved for all ceiling and wiring types. Approved for direct burial in insulation.

Construction

Air-tight standard. Tested to meet current energy codes. Aluminum housing with galvanized steel pan. Factory-installed captive bar hangers that span up to 24 o.c. and feature stepped shank nail with integral T-bar locks. Two locking screws hold fixture

in position. Galvanized steel junction box with four built-in ROMEX® clamps; four 1/2" and two 3/4" knockouts with slots for pryout. Rated for 90°C. Ground wire provided. Removable J-box doors for easy access.

Trim retention (clips): Retaining clips riveted to top of reflector hold trim inside housing.

Trim retention (TOR): Two side-mounted torsion springs on the trim and two receiving

brackets in the can, ensure a consistently tight fit with the ceiling.

Suitable for ceilings up to 1-1/2" thick.

Electrical

Multi-volt (MVOLT), 120V through 277V, electronic ballast with end of life protection standard with TRT lamps. Requires four-pin lamp. Socket assembly clips to top of housing to prevent paint overspray. Socket attaches to reflector to ensure

proper and consistent lamp position. Thermal protection provided against improper lamp usage.

Socket base: 13W four-pin DTT (GX24Q-1), TRT (GX24Q-1); 18W four-pin DTT (GX24Q-2), TRT (GX24Q-2); 26W four-pin TRT (GX24Q-3).

Listings

U.L. Listed to U.S. and Canadian safety standards.

Example: L7XF13T MVOLT 7B2W

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Series	Voltage	Reflector	Options
L7XF13T	13W TRT	MVOLT Choose reflector below. Torsion springs will be designated with a TOR in the nomenclature. Riveted clips will have no designation. Housing and reflector may be ordered separately. ³	GMF Single slow-blow fuse, specify voltage
L7XF13D	13W DTT		PHC Poke-home wire connectors
L7XF18T	18W TRT		WLP 35K four-pin lamp (shipped separately)
L7XF18D	18W DTT		
L7XF26T	26W TRT		
L7XF26D	26W DTT		

IC Rated Full Reflectors: All reflectors are damp location listed. Lensed reflectors are wet location listed. These IC reflectors can be used in Non-IC applications using lamps and wattages listed below. White flange standard, except as noted.

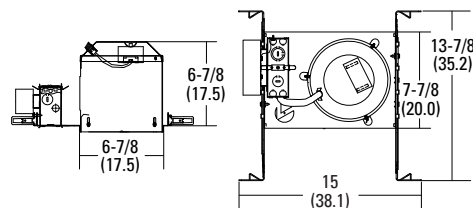
Open wide flange	Open narrow flange	Open deep narrow flange	Baffle wide flange	Baffle narrow flange
703 TOR White 	702 TOR White ¹ 702A Clear diffuse 702AZ Clear specular 702BLZ Black specular 	705 White 705A Clear diffuse 705AZ Clear specular 705BLZ Black specular 	7B3 TOR Black 7B3W TOR White 	7B2 TOR Black 7B2W TOR White ¹ 7B2BN TOR Brushed nickel ² 7B2ORB TOR Oil-rubbed bronze ² 7B2BZA TOR Antique bronze ²
IC 13DTT 26TRT	IC 13DTT 26TRT	IC 18DTT 26TRT	IC 13DTT 26TRT	IC 13DTT 26TRT
Baffle narrow flange	Eyeball wide flange	Regressed eyeball, wide flange	Wallwash narrow flange	Polycarbonate lens
7B5 Black 7B5W White ¹ 	7E1TOR White 7E1BN TOR Brushed nickel ² 7E1ORB TOR Oil-rubbed bronze ² 7E1BZA TOR Antique bronze ² 	7RE1 White 	7W1 White 	7LD1 Drop opal ¹
IC 18DTT 26TRT	IC 18TRT	IC 18TRT	IC 13DTT 13TRT	IC 13TRT

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ACCESSORIES	
ORDER SEPARATELY	
CTR6	6" goof ring, white
ATK6 R6	6" air-tight trim kit

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For plastic flange, add suffix PF to catalog number (Example: 7B2W TOR PF).
- Flange matches trim finish.
- 6 series trims also compatible trim option.

PRODUCT INFORMATION

L5F L5FR



Intended Use
Recessed housing rated IC or Non-IC for new construction (L5F) and remodel (L5FR) applications. Approved for direct burial in insulation.

Construction
L5F: Air-tight aluminum housing with galvanized steel pan. Factory-installed captive bar hangers that span up to 24 o.c. and feature stepped shank nail with integral T-bar locks. Two

locking screws hold fixture in position. Galvanized steel junction box with four built-in ROMEX® clamps, four 1/2" and two 3/4" knockouts with slots for pryout.

L5FR: Air-tight aluminum housing with three remodel clips for installation in existing plaster, sheet rock or mechanical ceilings. Heavy-gauge galvanized steel raceway arm. Galvanized steel junction box with four

built-in ROMEX® clamps, five 1/2" knockouts with slots for pryout. Not suitable for pulling wires.

Rated for 90°C. Ground wire provided. Removable J-box door for easy access.

Trim retention (TOR) is achieved by utilizing two side-mounted torsion springs on the trim and two receiving brackets in the can, ensuring a consistently tight fit with the ceiling.

Electrical
Electronic 120V ballast with end of life protection. Class P thermally protected ballast protects against improper contact with insulation.

Socket base: 13W four-pin DTT (G24Q-1), TRT (GX24Q-1); 18W four-pin DTT (G24Q-2), TRT (GX24Q-2); 26W four-pin TRT (GX24Q-3).

Listings
UL Listed to U.S. and Canadian safety standards.

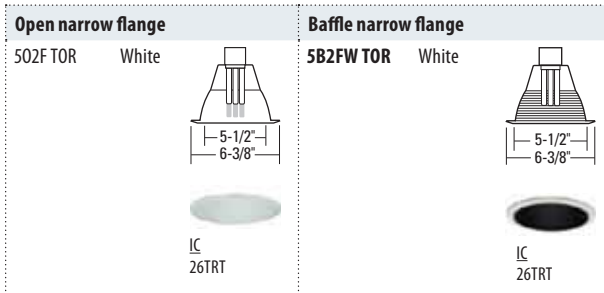
ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: L5F26T 120 5B2FW TOR

Series		Voltage	Reflector	Options
<u>New construction</u>	<u>Remodel</u>	120	Choose reflector below. Torsion springs will be designated with a TOR in the nomenclature. Riveted clips will have no designation. Housing and reflector may be ordered separately.	GMF Single slow-blow fuse
L5F13T 13W TRT	L5FR13T 13W TRT			GSKT Foam gasketing; aids in air-tight installation
L5F13D 13W DTT	L5FR13D 13W DTT			PHC Poke-home wire connectors
L5F18T 18W TRT	L5FR18T 18W TRT			ADEBD Advance® AmbiStar electronic dimming ballast; Class B FCC EMI rating; available in 26W 120V only; optimal dimming range 15%-100% light output
L5F18D 18W DTT	L5FR18D 18W DTT			WLP 35K four-pin lamp (shipped separately)
L5F26T 26W TRT	L5FR26T 26W TRT			
Housings sold in resale packs of six (R6).				

IC Rated Full Reflectors: All reflectors are damp location listed. These IC reflectors also can be used in Non-IC applications using the lamps and wattages listed below. White flange standard.

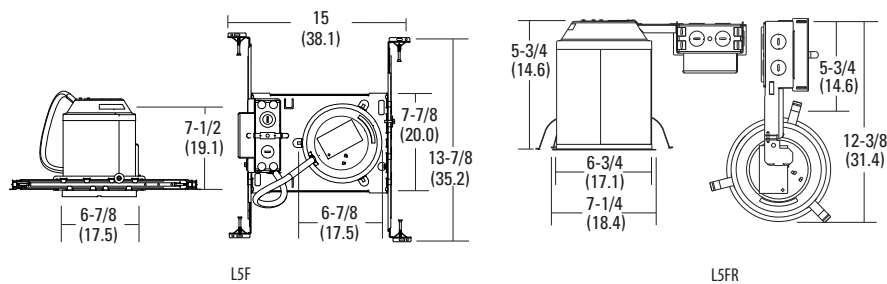


ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ACCESSORIES	
ORDER SEPARATELY	
CTRS	5" goof ring
ATKS R6	5" air-tight trim kit

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

Intended Use

Recessed incandescent housings for 2x6 new construction (LV3) or remodel construction (LV3R). Approved for all ceiling and wiring types.

Construction

LV3: Air-tight, galvanized steel pan with aluminum can and junction box with four built-in ROMEX® clamps and ground wire. Rated for 90°C. Factory-installed captive bar hangers that span up to 24 o.c. and feature stepped

shank nail with integral T-bar locks. Two locking screws hold fixture position. Suitable for ceilings up to 1-1/2" thick.

LV3R: Air-tight aluminum housing with heavy-gauge galvanized steel raceway arm. Remodel clips for installation in existing plaster, sheet rock or mechanical ceilings. Galvanized steel junction box with three built-in ROMEX® clamps and ground wire. Not suitable for pulling wires. Rated for 90°C.

Trims: 30° vertical tilt standard (except 3VS1 pinhole trim).

Electrical

Two-pin porcelain socket with heat shield.

Thermal protection provided against improper insulation usage. Electronic step-down transformer is standard for 120V or 277V. The minimum starting temperature is 0° F, -18°C with short-circuit protection and

meets ANSI/IEEE C62.41 Cat. A transient protection.

Listings

UL Listed to U.S. and Canadian safety standards.

**LV3
LV3R**



Example: LV3 3VB1 120

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Series	Reflector	Voltage	Options
LV3	Choose reflector below.	120 ¹	PHC Poke-home wire connectors
LV3R	Housing and reflector may be ordered separately.	277 ²	

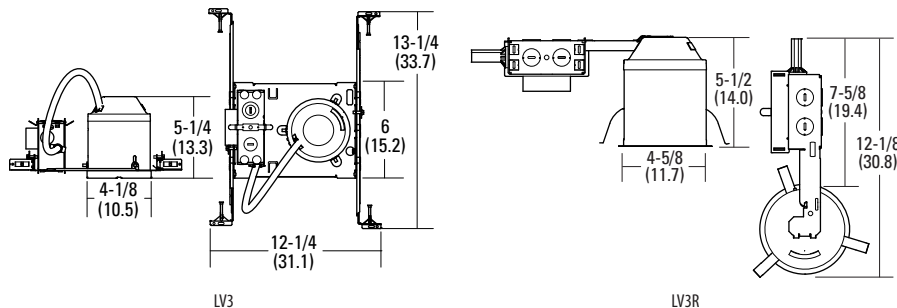
Non-IC Rated Reflectors: Lamp types and maximum wattages are listed for each reflector. White flange standard.

Adjustable cones		Adjustable baffles		Open eyeball		Baffle eyeball		Eyelid wallwash	
3V01AZ	Clear specular	3VB1	Black	3VE1	White	3VE2	Black	3VW1	White
3V01GZ	Gold specular	3VB1W	White			3VE2W	White		
3V01BLZ	Black specular								
Non-IC 50 MR16		Non-IC 50 MR16		Non-IC 50 MR16		Non-IC 50 MR16		Non-IC 50 MR16	
Adjustable wallwash		Shielded slotted		Shielded pinhole					
3VDW1W	White	3VA5	White	3VS1	White				
Non-IC 50 MR16		Non-IC 50 MR16		Non-IC 50 MR16					

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Use dimmers designed for electronic transformers.
- 2 Dimming is not available.

LP3V



Intended Use

New construction applications requiring high-performance vertical reflectors using low-voltage lamps.

Construction

Mechanical: Rugged, galvanized steel frame-in with one-piece painted steel can. Retaining clips secure optical system. Galvanized bar hangers span up to 24" o.c. and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, four ROMEX®

knockouts, two 3/4" and four 1/2" nominal conduit knockouts with pryout slots. Maximum ceiling thickness 2".

Trims: 30° vertical tilt standard (except 3VS1 pinhole trim).

Electrical

Precision-wound step-down transformer with Class H insulation. For dimming control, use dimmers specifically designed for use with electromagnetic transformers. Two-pin porcelain socket

with heat shield. Rated 90°C supply wire. Ground wire provided. Thermally protected against improper contact with insulation and approved for through-branch circuit wiring.

Listings

UL Listed to U.S. and Canadian safety standards.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: LP3V 3V01AZ 120

Series	Reflector	Voltage
LP3V	Choose reflector below. Housing and reflector may be ordered separately.	120 277 347

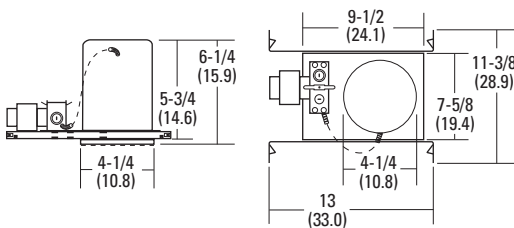
Non-IC-Rated Reflectors: Lamp types and maximum wattages are listed for each reflector. White flange standard.

Adjustable cone	Adjustable with baffle	Eyeball	Baffle eyeball	Eyelid wallwash
3V01AZ Clear specular 3V01BLZ Black specular 3V01GZ Gold specular Non-IC 75 MR16	3VB1 Black 3VB1W White Non-IC 75 MR16	3VE1 White Non-IC 75 MR16	3VE2 Black 3VE2W White Non-IC 75 MR16	3VW1 White Non-IC 75 MR16
Directional wallwash	Slotted aperture	Pinhole		
3VDW1W White Non-IC 75 MR16	3VA5 White baffle Non-IC 75 MR16	3VS1 White Non-IC 75 MR16		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



LIV3



Intended Use

Recessed housing rated IC for new construction applications. Approved for direct burial in insulation and through-branch circuit wiring. Approved for most wiring and ceiling types.

Construction

Air-tight standard. Meets current energy codes.

Pre-painted steel inner housing and aluminum outer housing mounted to a rugged galvanized steel pan.

Captive bar hangers span 24" and feature built-in nailers and T-bar clips.

Suitable for ceilings up to 1-1/2" thick in new construction only.

Precision-wound step-down transformer with class H insulation. For dimming control, use only dimmers specifically designed for use with magnetic (core and coil) transformers.

Two-pin porcelain socket attaches to lamp. Lamp clips to trim to ensure proper and consistent position.

Trims: 30° vertical tilt standard (except 3VS1 pinhole trim).

Listings

UL Listed to U.S. and Canadian standards.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: LIV3 3V01AZ 120

Series	Reflector	Voltage
LIV3	Choose reflector below. Housing and reflector may be ordered separately.	120

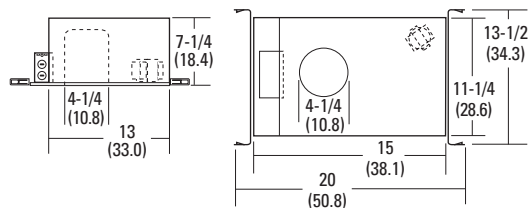
IC Rated Reflectors: All reflectors are damp location listed. Lamp types and maximum wattages listed for each reflector. These IC reflectors also can be used in Non-IC applications using lamps and wattages listed below. White flange standard.

Adjustable open cone		Adjustable baffle		Open eyeball		Baffle eyeball		Eyelid wallwash	
3V01AZ	Clear specular	3VB1	Black	3VE1	Open eyeball	3VE2	Black	3VW1	White
3V01GZ	Gold specular	3VB1W	White			3VE2W	White		
3V01BLZ	Black specular								
	IC 50MR16		IC 50MR16		IC 50MR16		IC 50MR16		IC 50MR16
Adjustable wallwash		Shielded slotted		Shielded pinhole					
3VDW1W	White	3VA5	White baffle	3VS1	White baffle				
	IC 50MR16		IC 50MR16		IC 50MR16				

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



LP6



Intended Use
Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where open, baffled, wallwash and lensed reflectors are required.

Construction
Rugged, galvanized steel frame-in with high-friction retention clips to secure optical system. Socket housing

attaches to reflector to ensure proper lamp positioning.

Factory-installed captive bar hangers that span up to 24" on center and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, four ROMEX® knockouts, two 3/4" and four 1/2" nominal conduit knockouts with pry-out slots. Positioned to allow straight conduit runs.

Remodeling capability; consult factory.

Maximum ceiling thickness 1/2".

Electrical
Durable medium-base porcelain socket with nickel-plated copper alloy screw shell and contact. Integral thermal protector provides protection against improper use of insulation materials. Rated for #12 AWG conductor

through-branch wiring. Minimum 90°C supply wire. Ground wire provided.

Listings
Fixtures are UL Listed for through-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian safety standards.



Example: LP6 602A

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Series	Reflector	Options
LP6	Choose reflector below. Housing and reflector may be ordered separately. Lamp types and maximum wattages are listed for each reflector.	SDT 277V step-down transformer (277V to 120V) TRW White flange

Open reflector	Baffle with diffuse upper reflector	Baffle	Multiplier	Adjustable with baffle
602 White 602A Clear diffuse 602AZ Clear semi-specular 602G Gold diffuse 602GZ Gold semi-specular 602PR Pewter diffuse 602WTZ Wheat specular	6B3 Black baffle 6B3W White baffle ¹	6B4 Black baffle 6B4W White baffle	6M1AZ Clear semi-specular 6M1GZ Gold semi-specular 6M1BLZ Black specular	6AB1 Black baffle 6AB1W White baffle
Non-IC 75 PAR30 150 PAR38 100 A19 120 BR40 250 BR40 (heat lamp, 602 only)	Non-IC 100 PAR38 120 BR40 150 A21	Non-IC 100 PAR38 100 A19 120 BR40	Non-IC 150 A21 250 PAR38 120 BR40	Non-IC 65 BR30 75 PAR30
Adjustable with cone	Sloped baffle	Polycarbonate lens	Drop glass lens	Glass lens
6AC2AZ Clear semi-specular 6AC2GZ Gold semi-specular 6AC2BLZ Black specular	6SB1 Black baffle 6SB1W White baffle	6LD1 Drop, opal ^{1,2} 6LD2 Drop, prismatic ^{1,2} 6LF1 Flush, opal ^{1,2} 6LF2 Flush, prismatic ^{1,2}	6LD3 White splay, drop opal lens ^{1,2} 6LDB3 Black baffle, drop opal lens ^{1,2}	6LF3 White splay, white lens ^{1,2} 6LFB3 Black baffle, white lens ^{1,2} 6L4 White splay, fresnel lens ^{1,2} 6LB4 Black baffle, fresnel lens ^{1,2}
Non-IC 150 PAR38	Non-IC 65 BR30 100 A19 120 BR40 150 PAR38	Non-IC 60 A19	Non-IC 100 A19	Non-IC 100 A19

ADDITIONAL INFORMATION

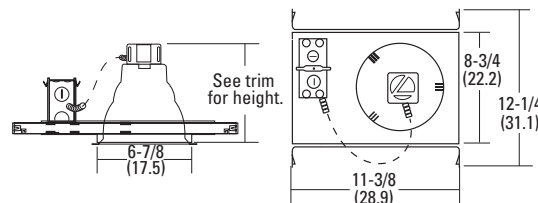
For additional product information, visit www.lithonia.com.

ACCESSORIES

ORDER SEPARATELY

CTE6	Ceiling trim extender
LCMB	Channel bar mounting brackets, set of two
LSMC	T-bar mounting clips, set of four

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Lensed reflectors are wet location listed.
- White painted flange (TRW) standard.

Intended Use

Ideal for a wide variety of low- to medium-height ceiling applications including commercial, retail and hospitality spaces where open, baffled, wallwash and lensed reflectors are required.

Construction

Rugged, galvanized steel frame-in with high-friction retention clips to secure

optical system. Socket housing attaches to reflector to ensure proper lamp positioning.

Factory-installed captive bar hangers that span up to 24" on center and feature built-in nailers and T-bar clips. Galvanized steel junction box with removable access door, four ROMEX® knockouts, two 3/4" and four 1/2" nominal conduit knockouts with pry-

out slots. Positioned to allow straight conduit runs.

Remodeling capability; consult factory.

Maximum ceiling thickness 1/2".

Electrical

Electronic ballast with end of life protection standard. Class P thermally protected ballast that protects against improper contact with

insulation. Minimum starting temperature is 0°F/-18°C. Rated for #12 AWG conductor through-branch wiring. Minimum 90°C supply wire. Ground wire provided.

Listings

Fixtures are UL Listed for through-branch wiring, Non-IC recessed mounting, damp location, and to U.S. and Canadian safety standards.

LP6F

1-Lamp, Double Twin-Tube (DTT)
1-Lamp, Triple-Tube (TRT)



Example: LP6F 26-42TRT 602A MVOLT

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Series	Lamp type	Reflector	Voltage	Options
LP6F	13DTT ¹	26-42TRT ²	MVOLT ³	ADEZ Advance® Mark X® electronic dimming ballast, 120V or 277V; minimum dimming level 5%
	18DTT	18TRT	120	DMHL LUTRON® Compact SE™ electronic dimming ballast, 120V or 277V; minimum dimming level 5%
	26DTT	26TRT	277	EL Emergency battery pack with integral test switch ⁵
	13TRT ¹	32TRT	347 ⁴	ELR Emergency battery pack with remote test switch ⁵
	18DTT/TRT ²	42TRT		BDP Ballast disconnect plug meets codes that require in-fixture disconnect
				GMF Single slow-blow fuse; specify voltage
				WLP 35K lamp (shipped separately)
				TRW White flange

Open reflector		Baffle with diffuse upper reflector		Baffle		Multiplier		Premium specular cone with diffuse upper reflector	
602	White	6B3	Black baffle ⁶	6B4	Black baffle	6M1AZ	Clear semi-specular	6C3AZ	Clear semi-specular
602A	Clear diffuse	6B3W	White baffle ⁶	6B4W	White baffle	6M1GZ	Gold semi-specular	6C3GZ	Gold semi-specular
602AZ	Clear semi-specular					6M1BLZ	Black specular	6C3BLZ	Black specular
602G	Gold diffuse								
602GZ	Gold semi-specular								
602PR	Pewter diffuse								
602WTZ	Wheat specular								

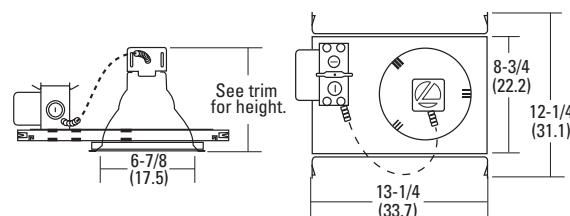
Sloped baffle		Wallwash		Polycarbonate lens		Drop glass lens		Glass lens	
6SB1	Black baffle	6W1	White	6LD1	Drop, opal ^{6,7}	6LD3	White splay, drop opal lens ^{6,7}	6LF3	White splay, white lens ^{6,7}
6SB1W	White baffle			6LD2	Drop, prismatic ^{6,7}	6LDB3	Black baffle, drop opal lens ^{6,7}	6LFB3	Black baffle, white lens ^{6,7}
				6LF1	Flush, opal ^{6,7}			6L4	White splay, fresnel lens ^{6,7}
				6LF2	Flush, prismatic ^{6,7}			6LB4	Black baffle, fresnel lens ^{6,7}

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ACCESSORIES ORDER SEPARATELY	
CTE6	Ceiling trim extender
LCMB	Channel bar mounting brackets, set of two
LSMC	T-bar mounting clips, set of four

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Not available with ADEZ or DMHL.
- 2 Not available with WLP.
- 3 Electronic multi-volt ballast capable of operating any line voltage from 120-277V, 50 or 60Hz.
- 4 Not available with EL or ELR.
- 5 Add 3" (7.6) to width and 4-1/2" (11.4) to length.
- 6 White painted flange (TRW) standard.
- 7 Lensed reflectors are wet location listed.

LC6 MRI



Intended Use
 Recessed housing rated Non-IC for new construction or remodel applications. Approved for all ceiling types except air-handling plenums. Suitable for installation in rooms containing magnetic resonance imaging equipment. No significant ferrous material contained in fixture.

Construction
 Aluminum housing. Engineering-grade thermoplastic

frame and junction box with four built-in ROMEX® clamps; five 7/8" knockouts with slots for pryout. Rated for 90°C. Ground wire provided. Pre-assembled poke-home connectors for ease of wiring. Tilt-up captive J-box doors for easy access.

Trim retention (clips): Retaining clips riveted to top of reflector hold trim inside housing.

Trim retention (TOR): Two side-mounted torsion springs on the trim and two receiving brackets in the can, ensure a consistently tight fit with the ceiling.

Maximum ceiling thickness 1-1/2".

Electrical
 Durable medium base porcelain socket with nickel-plated copper alloy screw shell and contact. Socket attaches to

reflector to ensure proper and consistent lamp position. Thermal protection provided against improper lamp usage. Suitable for use with 120V DC or AC.

Listings
 U.L. Listed to U.S. and Canadian safety standards.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: LC6 MRI 601 TOR

Series	Reflector
LC6 MRI	Choose reflector below. Torsion springs will be designated with a TOR in the nomenclature. Riveted clips will have no designation. Housing and reflector may be ordered separately.

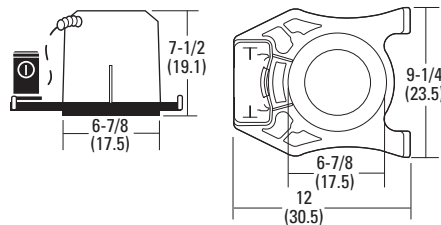
IC/Non-IC-Rated Full Reflectors: All reflectors are damp location listed. Lensed reflectors are wet location listed. Lamp types and maximum wattage are listed for each reflector.

Open wide flange		Open narrow flange		Baffle wide flange		Baffle narrow flange		Baffle narrow flange						
601 601 TOR	White White		702 TOR 702A 702AZ 702BLZ	White ¹ Clear diffuse Clear specular Black specular		6B1 6B1 TOR 6B1W TOR	Black Black White		6B2 6B2W	Black White		6B4 6B4W	Black White	
		IC 65 BR30 75 PAR30		IC 65 BR30 75 PAR30		IC 40 A19 65 BR30 75 PAR30		IC 65 BR30 75 PAR30/38		IC 65 BR30 75 PAR30/38		Non-IC 100 A19 120 BR40 150 PAR38		
Baffle narrow flange		Eyeball		Wallwash		Polycarbonate lens		Polycarbonate lens						
7B2 TOR 7B2W TOR	Black White		Must be ordered with TOR option 7E1 TOR	White		Must be ordered with TOR option 7W1	White		6LD1 6LD2 6LF1 6LF2	Drop opal ¹ Drop prismatic ¹ Flush opal ¹ Flush prismatic ¹		7LD1 7LD2 PF	Drop opal Drop opal, plastic flange	
		IC 65 BR30 75 PAR30		IC 65 BR30 75 PAR30		Non-IC 60 A19		Non-IC 60 A19				IC 40 A19		

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

ACCESSORIES	
ORDER SEPARATELY	
CTR6	6" goof ring, white

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

¹ For plastic flange, add suffix PF to catalog number (Example: 6LD1 PF).

LCP MRI



PRODUCT INFORMATION

Intended Use

Recessed housing rated IC for new construction or remodel applications. Approved for all ceiling types except air-handling plenums. Suitable for installation in rooms containing magnetic resonance imaging equipment. No significant ferrous material contained in fixture.

Construction

Aluminum housing. Engi-

neering grade thermoplastic frame and junction box with four built-in ROMEX® clamps; five 7/8" knockouts with slots for pryout. Rated for 90°C. Ground wire provided. Pre-assembled poke-home connectors for ease of wiring. Tilt-up captive J-box doors for easy access.

Trim retention (clips): Retaining clips riveted to top of reflector hold trim inside housing.

Trim retention (TOR option): Two side-mounted torsion springs on the trim and two receiving brackets in the can, ensure a consistently tight fit with the ceiling.

Maximum ceiling thickness 1-1/2".

Electrical

Durable medium base porcelain socket with nickel-plated copper alloy screw shell and contact. Socket attaches to reflector to ensure

proper and consistent lamp position. Thermal protection provided against improper lamp usage. Suitable for use with 120V DC or AC.

Listings

U.L. Listed to U.S. and Canadian safety standards.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: LCP MRI C01 TOR

Series	Reflector
LCP MRI	Choose reflector below. Torsion springs will be designated with a TOR in the nomenclature. Riveted clips will have no designation. Housing and reflector may be ordered separately.

IC-Rated Full Reflectors: All reflector are damp location listed. Lensed reflectors are wet location listed. These IC trims also can be used in Non-IC applications when using the lamps and wattages listed below. White flange standard, except as noted.

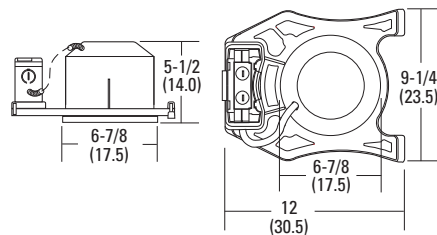
Open wide flange		Open narrow flange		Open wide flange		Baffle wide flange		Baffle narrow flange	
C01	White	CO2	White	701 TOR	White	CB1	Black	7B0W	White
C01 TOR	White	CO2A	Clear diffuse ¹			CB1 TOR	Black		
		CO2AZ	Clear specular ¹			CB1W	White		
						CB1W TOR	White		
	IC 60 A19 65 BR30 75 PAR30		IC 60 A19 65 BR30 75 PAR30		IC 65 BR30 75 PAR30		IC 40 A19 65 BR30 75 PAR30		IC 65 BR30 75 PAR30
Eyeball narrow flange		Eyeball wide flange		Polycarbonate lens		Polycarbonate lens			
CE1	White	7E1 TOR	White	CLD1	Drop opal ²	7LD1	Drop opal		
						7LD2 PF	Drop opal, plastic flange		
	IC 65 BR30 75 PAR30		IC 65 BR30 75 PAR30		IC 40 A19		IC 40 A19		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ACCESSORIES	
ORDER SEPARATELY	
CTR6	6" goof ring, white

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Flange matches trim finish.
- For plastic flange, add suffix PF to catalog number (Example: CLD1 PF).

WSL1F

Wet Location



Intended Use
Rated Non-IC for new construction in indoor applications or outdoor wet locations, such as courtyards and pathways.

Construction
Mechanical: Aluminum die-cast, white powder coat paint, corrosion-resistant

housing. Louvered, slotted, and open faceplates available. Die-cast powder coat painted faceplates are available in white or black finish. Faceplates are shipped separately.

Electrical
13DTTE, instant-start electronic ballast standard

(120V or 277V). One electrical conduit fitting and one plug provided. Electrical conduit fitting for wet location in wood construction, masonry and poured concrete applications.

Listings
UL Listed to U.S. and Canadian safety standards.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

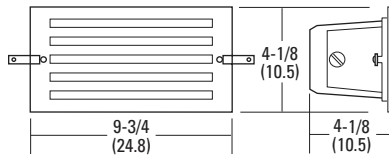
Example: WSL1F 13DTTE FPLBL 120

Series	Lamp type	Finish	Voltage
WSL1F	13DTTE	FPL White louvered faceplate	120
		FPLBL Black louvered faceplate	
		FPS White slotted faceplate	277
		FPSBL Black slotted faceplate	
		FPO White, opal lens	
		FPOBL Black, opal lens	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

STEPLIGHTS

Damp Location



Intended Use
Rated IC or Non-IC. For new construction only. To direct light on steps or pathways. Wall or step riser mounting.

Construction
Approved for through-branch circuit wiring. Galvanized steel housing and wiring compartment with a ground

wire. Bar hangers span 16" with recessed integral nailer tabs. Powder-coated steel louver available in white or black finish. Butterfly springs hold louver securely in place. Die-cut foam gasket seals steel louver against surface, preventing light leaks.

Electrical
Encased and potted NPF (normal power factor) 120V electromagnetic ballast. Durable two-pin positive latch thermoplastic socket. 13W DTT. Thermally protected.

Listings
UL Listed to U.S. and Canadian safety standards.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

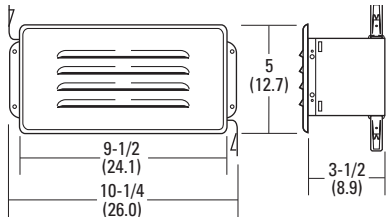
Example: SL1F 13DTT BL

Series	Lamp type	Finish
Incandescent	Incandescent ¹	(blank) White
SL1	(blank) Incandescent	BL Black
Fluorescent	Fluorescent	
SL1F	13DTT	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

IC/NON-IC RATED - THESE STEPLIGHTS ARE DAMP LOCATION LISTED. MAXIMUM WATTAGE AND LAMPS ARE LISTED.	
INCANDESCENT	FLUORESCENT
25 A19 (IC)	13DTT (IC)
40 A19 (Non-IC)	



Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

Notes

¹ Leave lamp type information blank.

Because Lithonia Lighting downlighting housings and trims are packaged and shipped as separate components, they usually are ordered as separate line items. However, housing and trim descriptions also may be combined on a single line item for ordering.

Example: L5 housing with 5B2 trim may be ordered as L5 and 5B2 or as L5 5B2.

Regardless of ordering method, components will be shipped in optimized packaging.

"R" followed by a number indicates a resale pack of that number of items per shipping carton. Resale-packed items are UPC-labeled and packaged appropriately for individual resale, but not for reshipment. Resale pack configurations (if available)

with unit packs are used to fill odd lot quantities. To override packaging optimization, items may be ordered with the "U" (unit) packaging suffix. Specifying unit packaging or ordering quantities that are not even-numbered multiples of available resale configurations may result in higher pricing.

PACKAGING

ORDERED AS SEPARATE LINE ITEMS		
LINE	QUANTITY	CATALOG NUMBER
1	12	L5 R6
2	12	5B2 R12
3	3	LV3
4	3	3VB1

OR

ORDERED AS ONE LINE ITEM		
LINE	QUANTITY	CATALOG NUMBER
1	12	L5 5B2
2	3	LV3 3VB1

SHIPS AS:

SHIP AS			
LINE	QUANTITY	CATALOG NUMBER	DESCRIPTION
1	12	L5 R6	2 resale cartons, each containing 6 housings
3	12	5B2 R12	1 resale carton, each containing 12 trims
5	3	LV3	3 unit cartons, each containing 1 housing
6	3	3VB1	3 unit cartons, each containing 1 trim



LITHONIA TRACK

Lithonia Lighting offers a full-featured line of commercial track and display lighting available in one-circuit and two-circuit configurations. Our track family includes line- and low-voltage track heads for a wide range of popular lamps and also features a full selection of accessory filters and louvers.



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PRODUCT INFORMATION

LTD

REFL



Intended Use
Accent lighting applications where color, extended lamp life and efficiency are important.

Construction
Housing: Polyester powder painted aluminum ballast housing. Polyester powder painted aluminum socket housing and protective cowl. Available in white, black or textured silver finish.

Yoke: Metal yoke rotates 330° horizontally and up to 90°

from vertical. Two opposed knobs lock vertical position.

Adaptor: Injection-molded track mounting adaptor for easy attachment to one- or two-circuit Lithonia Lighting® track. Available with optional direct J-box mount. Track-mounted fixtures include a secondary locking clip.

Optics
Optical system designed specifically for clear, medium-base metal halide lamp.

Spun, clear anodized aluminum reflector available in spot, narrow flood or wide flood distributions.

Electrical
Medium-base porcelain socket with nickel-plated screw shell (open reflector requires protected lamp).

Available for 50-, 70- and 100-watt metal halide lamps.

Lightweight, high power factor, electronic ballast offering

superior wattage regulation and Class A noise rating utilized with HEB ballast (PF >95%, THD <15%). High power factor, core and coil ballast utilized with EMB ballast.

CM option provides direct J-box mount and ballast that operates with either 120V or 277V.

Listings
UL Listed to U.S. and Canadian safety standards.

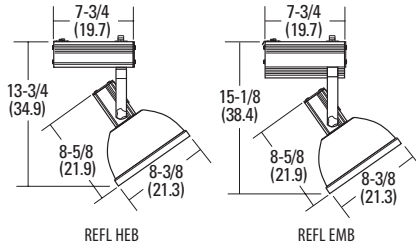
ORDERING INFORMATION

Example: LTD REFL 50M SP HEB WH

Series	Head style	Lamp type	Distribution	Ballast	Finish	Options
LTD	REFL Open reflector	50M 50W metal halide 70M 70W metal halide 100M 100W metal halide	SP Spot NFL Narrow flood WFL Wide flood	EMB Electromagnetic ballast HEB Electronic ballast	WH White DBL Black DTS Textured silver	CM For direct mount to 4" octagonal J-box (by others) ¹ CGL Clear tempered glass lens WLP With lamp (shipped separately)

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 CM option with EMB ballast uses 120/277V dual-tap ballast; HEB ballast uses 120V through 277V multi-volt ballast.

PRODUCT INFORMATION

LTD

LPHR



Intended Use
Accent lighting applications where color, extended lamp life and efficiency are important.

Construction
Housing: Polyester powder painted aluminum ballast housing and socket housing. Available in white, black or textured silver finish.

Yoke: Metal yoke rotates 330° horizontally and up to 90°

from vertical. Two opposed knobs lock vertical position.

Adaptor: Injection-molded track mounting adaptor for easy attachment to one- or two-circuit Lithonia Lighting® track. Available with optional direct J-box mount. Track-mounted fixtures include a secondary locking clip.

Electrical
Medium-base porcelain socket with nickel-plated screw shell (adjustable lamp position).

Available for 39-, 70- and 100-watt metal halide PAR lamps. Lightweight, high power factor, electronic ballast offering superior wattage regulation and Class A noise rating utilized with HEB ballast (PF >95%, THD <15%).

High power factor, core and coil ballast utilized with EMB ballast.

CM option provides direct J-box mount and ballast that operates with either 120V or 277V.

Listings
UL Listed to U.S. and Canadian safety standards.

ORDERING INFORMATION

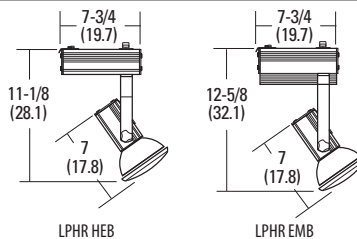
Example: LTD LPHR 39M 20 EMB WH

Series	Head style	Wattage	Lamp type	Ballast	Finish	Options
LTD	LPHR Lampholder	39M 39W PAR20 or PAR30 70M 70W PAR30 or PAR38 100M 100W PAR38	20 PAR20 30 PAR30 38 PAR38	EMB Electromagnetic ballast HEB Electronic ballast	WH White DBL Black DTS Textured silver	CM For direct mount to 4" octagonal J-box (by others) ¹ LPSP Spot lamp (shipped separately) LPFL Flood lamp (shipped separately) LPWFL Wide flood lamp (shipped separately) ²

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

ACCESSORIES			
ORDER SEPARATELY			
	PAR20	PAR30	PAR38
Filter holder	LTWFH400 (color) ³	LTWFH500 (color) ³	LTWFH700 (color) ³
Lens	L400 (color) ³	F500 (color) ³	F700 (color) ³
Louver	L400 (color) ³	L500 (color) ³	L700 (color) ³

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 CM option with EMB ballast uses 120/277V dual-tap ballast; HEB ballast uses 120V through 277V multi-volt ballast.
- 2 Available for use with size 38 only.
- 3 Filter holder required when ordering lenses or louver. For accessory ordering information, see page 373.

Intended Use

Wallwash lighting applications where visual interest and uniform illumination on vertical surfaces is desired.

Construction

Housing: High-quality aluminum housing. Position indicators allow for consistent aiming from fixture to fixture.

Yoke: High-quality, extruded aluminum yoke allows rotation up to 330°. Pivot mechanism allows adjustment up to 90° from vertical.

Adaptor: Low-profile, injection-molded track mounting adaptor for easy attachment to one- or two-circuit Lithonia Lighting® track. Snap lock secures adaptor to track. White adaptor utilized on

white fixtures. Black adaptor utilized on black or textured silver fixtures.

Optics

Clear anodized reflector maximizes light output and delivers a uniform distribution of light on vertical surfaces.

Clear anodized louver provides maximum shielding from typical viewing angles.

Electrical

Four-pin, positive latch, thermoplastic socket. Requires four-pin lamp. Class P, thermally protected, high power factor, electronic ballast (PF>98%, THD<10%).

Listings

UL Listed to U.S. and Canadian safety standards.

LTD
CFWW



ORDERING INFORMATION

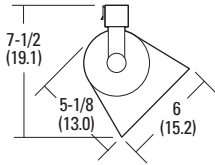
Example: LTD CFWW 1/26DTT 12 AP 120 DWHG

Series	Head style	Lamp type	Housing	Louwer	Voltage	Finish	Options
LTD	CFWW Compact fluorescent wallwash	1/26DTT ¹	12 12"	(blank) Open aperture	120	DWHG Matte white, textured DBL Black DTS Textured silver	WLP 35K lamp (shipped separately)
		1/26TRT ¹	20 20"	AP Clear, semi-diffuse, low-iridescent parabolic			
		1/32TRT ¹		WHP White			
		1/42TRT ¹		BLP Black			
		2/26DTT ²					
		2/32TRT ²					
2/42TRT ²							

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Only available with 12" housing size.
- 2 Only available with 20" housing size.

PRODUCT INFORMATION

LTC
RNDB



Intended Use
The curvilinear design of the roundback cylinder adds softness and elegance for general accent lighting applications.

Construction
Housing: High-quality metal housing. Available in white or black finish. Available with black or white baffle.

Stem: Extruded aluminum stem conceals fixture wiring and allows rotation up to 330°. Pivot mechanism allows adjustment up to 90° from vertical.

Adaptor: Low-profile, injection-molded track mounting adaptor for easy attachment to one- or two-circuit Lithonia Lighting®

track. Snap lock secures adaptor to track.

Electrical
Medium-base porcelain socket.

Listings
UL Listed to U.S. and Canadian safety standards.

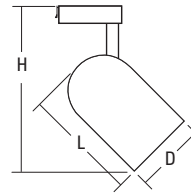
ORDERING INFORMATION

Example: LTC RNDB PAR20 MB WH

Series	Head style	Lamp type	Trim	Finish
LTC	RNDB Roundback cylinder	PAR20 PAR20 (75W max.) and PAR16 (60W max.) compatible PAR30 PAR30 long-neck (75W max.) ¹ PAR38 PAR38 (Q250W max.)	MB Black baffle WB White baffle	WH White DBL Black

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

ACCESSORIES ORDER SEPARATELY			
	PAR20	PAR30	PAR38
Filter holder	LTFH500 (color) ²	LTFH700 (color) ²	LTFH800 (color) ²
Lens	F500 (color) ²	F700 (color) ²	F800 (color) ²
Louver	L500 (color) ²	L700 (color) ²	L800 (color) ²
Barn door	LTBD500 (color) ²	LTBD700 (color) ²	LTBD800 (color) ²



- Notes**
- 1 Socket extender must be used with short-neck lamps. Order TP30SE (shipped separately).
 - 2 Filter holder or barn door required when ordering lenses or louver. For accessory ordering information, see page 373.

Lamp type	Height	Length	Diameter
PAR20	10-1/4 (26.0)	7 (17.8)	3-5/8 (9.2)
PAR30	11-3/4 (29.8)	8 (20.3)	5 (12.7)
PAR38	12-1/4 (31.1)	8-1/2 (21.6)	5-3/4 (14.6)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

PRODUCT INFORMATION

LTC
FLT B



Intended Use
The flatback cylinder with its simple, classic lines offers dramatic punches of accent lighting.

Construction
Housing: High-quality metal housing. Available in white

or black finish. Available with black or white baffle.

Stem: Extruded aluminum stem conceals fixture wiring and allows rotation up to 330°. Pivot mechanism allows adjustment up to 90° from vertical.

Adaptor: Low-profile, injection-molded track mounting adaptor for easy attachment to one- or two-circuit Lithonia Lighting® track. Snap lock secures adaptor to track.

Electrical
Medium-base porcelain socket.

Listings
UL Listed to U.S. and Canadian safety standards.

ORDERING INFORMATION

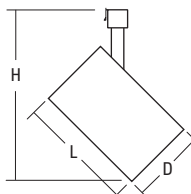
Example: LTC FLT B PAR20 MB WH

Series	Head style	Lamp type	Trim	Finish
LTC	FLT B Flatback cylinder	PAR20 PAR20 (75W max.) and PAR16 (60W max.) ¹ PAR30 PAR30 long-neck (75W max.) ¹ PAR38 PAR38 (Q250W max.)	MB Black baffle WB White baffle	WH White DBL Black

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

ACCESSORIES ORDER SEPARATELY			
	PAR20	PAR30	PAR38
Filter holder	LTFH500 (color) ²	LTFH700 (color) ²	LTFH800 (color) ²
Lens	F500 (color) ²	F700 (color) ²	F800 (color) ²
Louver	L500 (color) ²	L700 (color) ²	L800 (color) ²
Barn door	LTBD500 (color) ²	LTBD700 (color) ²	LTBD800 (color) ²

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



- Notes**
- 1 Socket extender must be used with short-neck lamps. Order TP30SE (shipped separately).
 - 2 Filter holder or barn door required when ordering lenses or louvers. For accessory ordering information, see page 373.

Lamp type	Height	Length	Diameter
PAR20	10-1/4 (26.0)	7 (17.8)	3-5/8 (9.2)
PAR30	11-3/4 (29.8)	8 (20.3)	5 (12.7)
PAR38	12-1/4 (31.1)	8-1/2 (21.6)	5-3/4 (14.6)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

LTC

GMBR

Line Voltage



Construction

Housing: High-quality metal lampholder ring. Available in white or black finish.

Yoke: Heavy-gauge steel yoke allows rotation up to 330°. Pivot mechanism allows adjustment up to 90° from vertical.

Stem: Extruded aluminum stems available in 12", 18", 24" and 36" lengths.

Adaptor: Low-profile, injection-molded track mounting adaptor for easy attachment to one- or two-circuit Lithonia Lighting®

track. Snap lock secures adaptor to track.

Electrical

Heavy-gauge metal socket housing with medium-base porcelain socket. Side-prong porcelain socket with injection-molded cover on PAR38/3.

Listings

UL Listed to U.S. and Canadian safety standards.

Example: LTC GMBR PAR16 ST12 WH

Series	Head style	Lamp type	Length	Finish
LTC	GMBR Gimbal ring	PAR16 PAR16 (60W max.) ¹	ST12 12" (30.5) mounting stem	WH White
		PAR20 PAR20 (50W max.)	ST18 18" (45.7) mounting stem	DBL Black
		PAR30 PAR30 short-neck (75W max.)	ST24 24" (61.0) mounting stem	
		PAR38 PAR38 (Q250W max.)	ST36 36" (91.4) mounting stem	
		PAR38/3 PAR38 side-prong (150W max.)		

ADDITIONAL INFORMATION

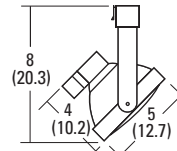
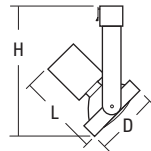
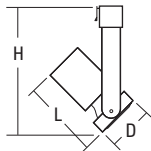
For additional product information, visit www.lithonia.com.

ACCESSORIES

ORDER SEPARATELY

	PAR20	PAR30	PAR38	PAR38/3
Filter holder	LTGCS ^{2,3}	LTGCS ^{2,3}	LTGCS ^{2,3}	LTGCS ^{2,3}
Lens	F400 (color) ²	F500 (color) ²	F700 (color) ²	F800 (color) ²
Louver	L400 (color) ²	L500 (color) ²	L700 (color) ²	L800 (color) ²
Barn door	LTGBD400 (color) ²	LTGBD500 (color) ²	LTGBD700 (color) ²	LTGBD800 (color) ²

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Lamp type	Height	Length	Diameter	Lamp type	Height	Length	Diameter
PAR16	6-3/4 (17.1)	4-1/4 (10.8)	2-1/4 (5.7)	PAR30	8 (20.3)	4-7/8 (12.4)	4 (10.2)
PAR20	7-1/4 (18.4)	4-1/2 (11.4)	2-3/4 (7.0)	PAR38	10 (25.4)	6-1/2 (16.5)	5 (12.7)

PAR 38/3

Stem-mounted Gimbal ring. Consult factory for dimensions.

Notes

- 1 Not compatible with PHILIPS® PAR16 lamp. Accessories not available.
- 2 Filter holder or barn door required when ordering lenses or louvers. For accessory ordering information, see page 373.
- 3 Available only in black. Accommodates up to two lenses or louvers.

PRODUCT INFORMATION

LTC
STPC



Intended Use
The distinct tube shape base gradually flares into an attractive hood. Contains a baffle for lamp control and concealment for general accent lighting applications.

Construction
Housing: High-quality metal housing. Available in white or black finish. Available with black or white baffle.
Stem: Extruded aluminum stem conceals fixture wiring

and allows rotation up to 330°. Pivot mechanism allows adjustment up to 90° from vertical.
Adaptor: Low-profile, injection-molded track mounting adaptor for easy

attachment to one- or two-circuit Lithonia Lighting® track. Snap lock secures adaptor to track.
Electrical
Medium-base porcelain socket.
Listings
UL Listed to U.S. and Canadian safety standards.

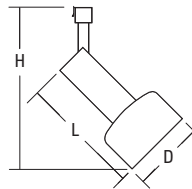
ORDERING INFORMATION

Example: LTC STPC PAR20 MB WH

Series	Head style	Lamp type	Trim	Finish
LTC	STPC Step cylinder	PAR20 PAR20 (50W max.) and PAR16 (60W max.) compatible PAR30 PAR30 long-neck (75W max.) PAR38 PAR38 (Q250W max.)	MB Black baffle WB White baffle	WH White DBL Black

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

ACCESSORIES ORDER SEPARATELY			
	PAR20	PAR30	PAR38
Filter holder	LTFH500 (color) ¹	LTFH700 (color) ¹	LTFH800 (color) ¹
Lens	F500 (color) ¹	F700 (color) ¹	F800 (color) ¹
Louver	L500 (color) ¹	L700 (color) ¹	L800 (color) ¹
Barn door	LTBD500 (color) ¹	LTBD700 (color) ¹	LTBD800 (color) ¹



Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

Lamp type	Height	Length	Diameter
PAR20	10-7/8 (27.6)	7-1/2 (19.1)	3-5/8 (9.2)
PAR30	12-5/8 (32.1)	9 (22.9)	5 (12.7)
PAR38	13-1/2 (34.3)	9-7/8 (25.1)	5-3/4 (14.6)

Notes
¹ Filter holder or barn door required when ordering lenses or louver. For accessory ordering information, see page 373.

PRODUCT INFORMATION

LTC
PRSD



Intended Use
Accent lighting applications where PAR incandescent lamps and a low-profile track fixture are required. Perfect for commercial and retail applications.

is constructed of durable Lexan® 940 material.
Polyester powder painted, metal shade device provides an attractive fixture profile as it shields PAR lamps.
Injection-molded track mounting adaptor for easy

attachment to one- or two-circuit Lithonia Lighting® track. Snap lock secures adaptor to track.
Electrical
Medium-base porcelain socket with nickel-plated screw shell.

Listings
UL Listed to U.S. and Canadian safety standards.

ORDERING INFORMATION

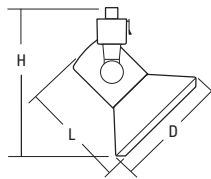
Example: LTC PRSD PAR30 WH

Series	Head style	Lamp type	Finish
LTC	PRSD PAR shade	PAR16/38 PAR16 (60W max.), PAR20 (75W max.), PAR30 long-neck (75W max.) and PAR38 (150W max.) compatible PAR20 PAR20 (75W max.) PAR30 PAR30 (75W max.) ¹ PAR38 PAR38 (150W max.)	WH White DBL Black

ADDITIONAL INFORMATION For additional information, visit www.lithonia.com.

ACCESSORIES ORDER SEPARATELY			
	PAR20	PAR30	PAR38
Filter holder	LTWFH400 (color) ²	LTWFH500 (color) ²	LTWFH700 (color) ²
Lens	F400 (color) ²	F500 (color) ²	F700 (color) ²
Louver	L400 (color) ²	L500 (color) ²	L700 (color) ²

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Lamp type ³	Height	Length	Diameter
PAR 20	5-5/8 (14.3)	4-1/2 (11.4)	3-5/8 (9.2)
PAR 30	6-1/4 (15.9)	4-3/4 (12.1)	4-7/8 (12.4)
PAR 38	7-7/8 (20.0)	6-1/2 (16.5)	6 (15.2)

Notes
¹ If using filter holder with a PAR30 lamp, use long-neck PAR30 lamp. Without filter holder, short-neck PAR30 lamp is recommended.
² Filter holder required when ordering lenses or louvers. For accessory ordering information, see page 373.
³ For PAR16/38 dimensions, consult spec sheet.

Intended Use

The curvilinear design of the roundback cylinder adds softness and elegance for general accent lighting applications.

Heavy-gauge steel yoke allows rotation up to 330°. Pivot mechanism allows adjustment up to 90° from vertical.

housing which provides easy installation to one- or two-circuit Lithonia Lighting® track. Snap lock secures adaptor to track.

Construction

Housing: High-quality metal housing. Available in white or black finish. Removable baffle for relamping.

Adaptor: 120V/12V solid-state, electronic transformer standard. Transformer is potted in low-profile, injection-molded adaptor

Listings

UL Listed to U.S. and Canadian safety standards.

LTC
RNDY
Low Voltage



Example: LTC RNDY MR16 MB WH

ORDERING INFORMATION

Series	Head style	Lamp type	Trim	Finish
LTC	RNDY Mini roundback cylinder	MR16 MR16 (50W max.) ¹	MB Black baffle WB White baffle	WH White DBL Black

ADDITIONAL INFORMATION

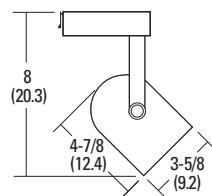
For additional product information, visit www.lithonia.com.

ACCESSORIES

ORDER SEPARATELY

Lens	F200 (color) ¹
Louver	L200 (color) ¹

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Filter holder or barn door required when ordering lenses or louver. For accessory ordering information, see page 373.

PRODUCT INFORMATION

Construction

Housing: High-quality metal lampholder ring. Available in white or black finish.

Heavy-gauge steel full-yoke for PAR36 fixtures and half-yoke for MR16 fixtures allows

rotation up to 330°. Pivot mechanism allows adjustment up to 90° from vertical.

Adaptor: 120V/12V solid-state, electronic transformer standard. Transformer is potted in low-profile,

injection-molded adaptor housing which provides easy installation to one- or two-circuit Lithonia Lighting® track. Snap lock secures adaptor to track. Two-pin ceramic socket on

MR16 fixtures. Spade terminals on lamp leads for PAR36 unit with silicon terminal cover boot.

Listings

UL Listed to U.S. and Canadian safety standards.

LTC
GMBR
Low Voltage



Example: LTC GMBR PAR36 WH

ORDERING INFORMATION

Series	Head style	Lamp type	Shielding ¹	Length ¹	Finish
LTC	GMBR Gimbal ring	PAR36 PAR36, full-yoke mounted (75W max.) MR16 MR16, half-yoke mounted (75W max.)	(blank) Open (standard) BMDR Beam director ²	ST12 12" (30.5) mounting stem ST18 18" (45.7) mounting stem ST24 24" (61.0) mounting stem ST36 36" (91.4) mounting stem	WH White DBL Black

ADDITIONAL INFORMATION

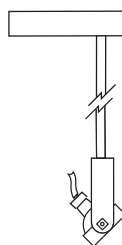
For additional product information, visit www.lithonia.com.

ACCESSORIES

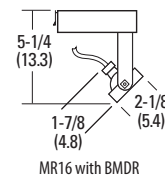
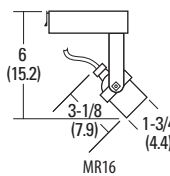
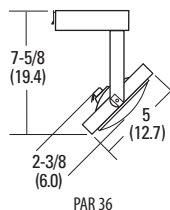
ORDER SEPARATELY

	PAR36	MR16
Filter holder	LTGCS ³	LTGCS ³
Lens	F700 (color) ³	F200 (color) ³
Louver	L700 (color) ³	L200 (color) ³
Barn door	LTGBD700 (color) ³	LTGBD200 (color) ³

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Stem-mounted Gimbal ring
Consult factory for dimensions.

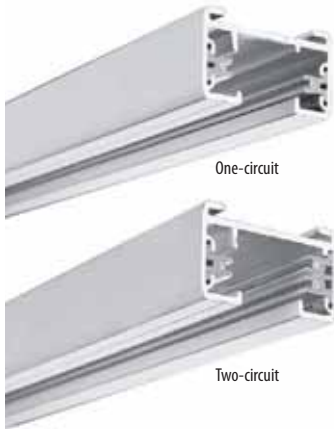


Notes

- 1 Optional.
- 2 Not available with beam director (BMDR) trim type.
- 3 Filter holder or barn door required when ordering lenses or louver. For accessory ordering information, see page 373.

PRODUCT INFORMATION

TRACK



Intended Use

One- or two-circuit track sections for use with Lithonia Lighting® track fixtures. Common applications include retail, grocery, museums or any application requiring accent illumination and the versatility of track lighting systems.

Construction

Low-profile, heavy-gauge, extruded aluminum channel for maximum rigidity; available in white or black finishes.

Track sections and connectors are designed to consider dimensional restrictions of T-bar grid ceilings.

Track sections can be surface- or pendant-mounted individually or joined to form continuous rows.

Visible polarity line indicates proper electrical connection and mechanical alignment.

Live end or feed connector must be used to power track.

Electrical

One circuit: One 20-amp circuit, #12-gauge copper conductors are co-extruded in PVC insulator. Two circuit: Two 20-amp circuits, #12-gauge copper conductors are co-extruded in PVC insulator. Two-circuit track shares one neutral.

Listings

UL Listed to U.S. and Canadian safety standards.

ORDERING INFORMATION

Example: LT2 WH

Series		Finish
<u>One-circuit track</u>		WH White DBL Black
LT2	2' section; actual length 20" (50.8 cm)	
LT4	4' section; actual length 44" (111.8 cm)	
LT8	8' section; actual length 92" (233.7 cm)	
LT12	12' section; actual length 140" (355.6 cm)	
<u>Two-circuit track</u>		
L2T4	4' section; actual length 44" (111.8 cm)	
L2T8	8' section; actual length 92" (233.7 cm)	
L2T12	12' section; actual length 140" (355.6 cm)	
Live end or feed connector must be used to power the track (order separately). Dead ends ship with live ends, not track stick.		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

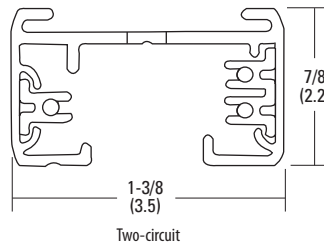
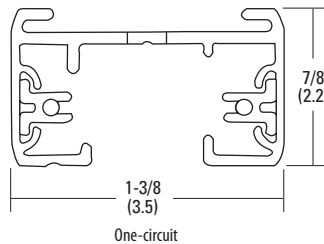
STANDARD PACKAGING

To order, use single master catalog number.

Example: (13) LT4 DBL

Track sections ship as unit (U) packaging. Example above ships as: (Qty 13) LT4 DBL U (13 cartons of 1 track section)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Lithonia Lighting® track is constructed of low-profile, heavy-gauge, extruded aluminum for maximum rigidity. Track sections and connections are designed with the dimensional restrictions of T-bar grid ceilings in mind.

1 Suspension Hardware Rail

Allows easy twist-and-lock hardware installation. Available for stem and grid-ceiling-mount configurations.

2 Milled Grounding Bar

Provides maximum ground continuity between fixtures and power distribution system.

3 Circuit Key

Prevents accidental interchange of one- and two-circuit accessories.

4 Alignment Groove

Provides easy centering for drilling of additional mounting holes or use of self-drilling screws.

5 Bus Retention Crimp

The continuous design of the bus bar wireway retention crimp allows easy field cutting. Track sections can be cut without feeding bus bar wireway retention.

6 Extruded Channel

High-quality, rugged, heavy-gauge extruded aluminum profile.

7 Predrilled Mounting Holes

Provide easy mounting capability.



Circuit Adaptor

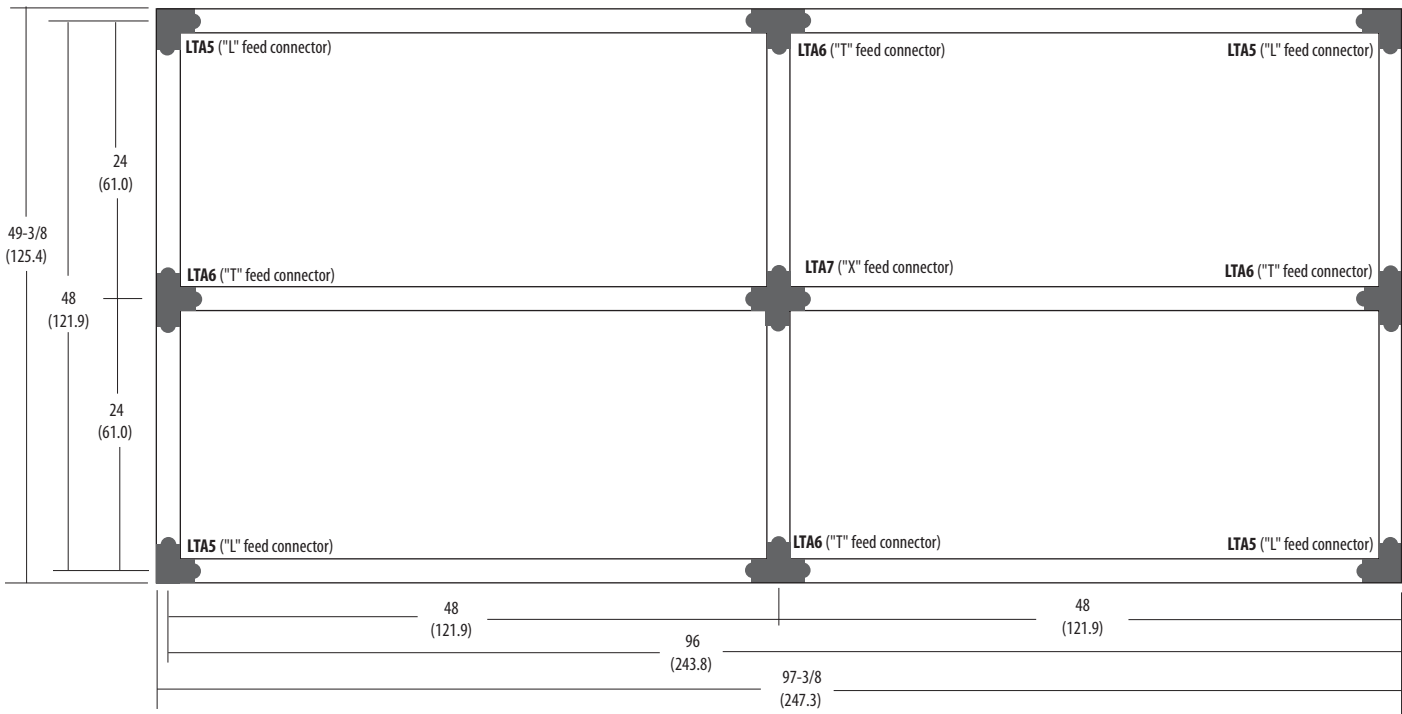
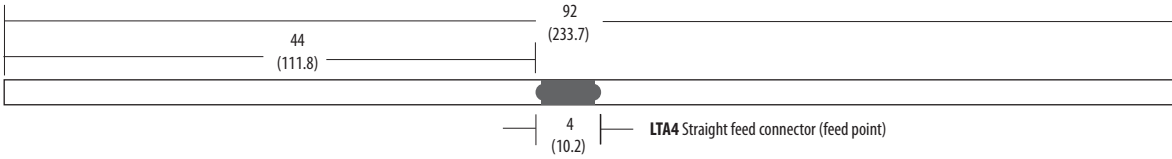
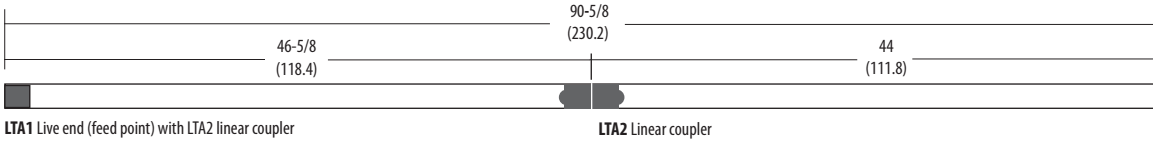
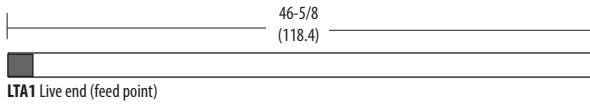
Adaptor design allows for easy circuit selection. Shipped in default one-circuit configuration.



Twist-and-Lock Mounting Clips

Allow easy installation on T-bar and threaded rod.

PRODUCT INFORMATION



One-circuit configurations shown.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

Feed Connector

Provides a secure attachment to track hardware rail. A unique backplate feature provides additional strength by mechanically integrating track and connectors into one continuous system.

- 1 Heavy-Gauge Steel Backplate**
For secure mechanical integration to track sticks.
- 2 Brass Bus Bar Contacts**
- 3 GE Lexan® Housing Material**
Durable construction. Soft finish eliminates fingerprint images.



A complete selection of one-circuit and two-circuit track connectors, accessories and pendant and T-bar accessories is available for the Lithonia Lighting® track system. Most components are available in white and black finishes. All feature embossed polarity lines to indicate correct insertion position and electrical connection.

Live End Feed

Feed connector used to start a run. Includes one dead end. Available in white (WH) and black (DBL).

- LTA1 (color) One-circuit
- L2TA1 (color) Two-circuit



Linear Coupler

Joins two track sections in a straight run. Not a feed point. Does not add to length. Available in white (WH) and black (DBL).

- LTA2 (color) One-circuit
- L2TA2 (color) Two-circuit



Floating Feed

Permits track to be wired anywhere along the track length. Includes two dead ends. Available in white (WH) and black (DBL).

- LTA3 (color) One-circuit
- L2TA3 (color) Two-circuit



Straight Feed Connector

Joins two track sections in a straight run. Includes two dead ends. May be used as a feed. Available in white (WH) and black (DBL).

- LTA4 (color) One-circuit
- L2TA4 (color) Two-circuit. Includes adjustable L feed connector cover.



Adjustable L Connector*

Joins two track sections at 90° angles. Includes two dead ends. May be used as a feed. Available in white (WH) and black (DBL).

- LTA5 (color) One-circuit
- *For two-circuit, use L2TA4 connector



T Connector

Joins three track sections at 90° angles. Includes three dead ends. May be used as a feed. Available in white (WH) and black (DBL).

- LTA6 (color) One-circuit
- L2TA6R (color) Two-circuit, right only
- L2TA6L (color) Two-circuit, left only



X Connector

Joins four track sections at 90° angles. Includes four dead ends. May be used as a feed. Available in white (WH) and black (DBL).

- LTA7 (color) One-circuit
- L2TA7 (color) Two-circuit



Flexible Connector

Joins two track sections. Permits vertical or horizontal bends up to 90°. Not a feed point. Available in white (WH) and black (DBL).

- LTA8 (color) One-circuit
- L2TA8 (color) Two-circuit



Surface Conduit Feed

Permits track to be connected to conduit (1/2" trade size conduit fitting). Includes one dead end. Available in white (WH) and black (DBL).

- LTA9 (color) One-circuit
- L2TA9 (color) Two-circuit



Conduit Continuation Kit

Left and right conduit connector. Allows continuous run around obstructions. Available in white (WH) and black (DBL).

- LTA91 (color) One-circuit
- L2TA91 (color) Two-circuit



Concealed Feed

Permits direct conduit wiring from above track without outlet box. Use with LTA1, LTA4, LTA5, LTA6, LTA7, L2TA1, L2TA4, L2TA6R, L2TA6L and L2TA7.

- LTA11



Replacement Dead End

Terminates straight run. Replacement only. Available in white (WH) and black (DBL).

- LTA12 (color) Set of 10



Outlet Box Cover

Used at any feed connection point (LTA1, LTA4, LTA5, LTA6, LTA7, L2TA1, L2TA4, L2TA6R, L2TA6L and L2TA7). Available in white (WH) and black (DBL).

- LTA13 (color)



Track Reinforcement Plate

Slides between track lengths to provide extra strength when pendant mounting.

- LTA33



Pendant Cord Adaptor

Allows cord-hung fixtures to be mounted to track. Maximum weight: 20 lbs. (9 kg). Available in white (WH) and black (DBL).

- LTA19 (color) One-circuit and two-circuit



Pendant Chain Adaptor

Allows chain-hung or swag fixtures to be attached to track. Max. weight: 20 lbs. (9 kg). Available in white (WH) and black (DBL).

- LTA16 (color) One-circuit and two-circuit



Extension Wand

Mounts to track, drops head 12", 18", 24" or 36". Available in white (WH) and black (DBL). Cannot be field cut.

LTA31 xx (color) (Specify 12, 18, 24 or 36)



Stem Kit ¹

Canopy and stem for use on hard ceilings. Requires stem feed kit (LTAP2) to be used as a feed. Available in 12", 18", 24", 36" or 48". Available in white (WH) and black (DBL). Can be field cut.

LTAP1 xx (color) (Specify 12, 18, 24, 36 or 48)



Stem Feed Kit

For use with stem kit. Required for track to be wired through stem. One required for each live feed. Available in white (WH) and black (DBL).

LTAP2 (color)



Track Mounting Clips

Optional track mounting method. Set of three. Available in white (WH) and black (DBL).

LTA20 (color)



Threaded Rod Mounting Clips

Allows support of the track by 1/4" threaded rod. Set of three. Available in white (WH) and black (DBL).

LTA30 (color)



T-Bar Stem Kit ¹

Canopy and stem. Requires stem feed kit (LTAP2) to be used as feed. Available in 12", 18", 24", 36" and 48". Available in white (WH) and black (DBL). Can be field cut.

LTATP1 xx (color) (Specify 12, 18, 24, 36 or 48)



T-Bar Feed Kit

Outlet box for grid ceilings. For use with LTA1, LTA4, LTA5, LTA6, LTA7, L2TA1, L2TA4, L2TA6R, L2TA6L and L2TA7. Includes outlet box, cover and mounting hardware. Available in white (WH) and black (DBL).

LTAT1 (color)



T-Bar Mounting Clips

Offsets track from T-bar. Set of three. Available in white (WH) and black (DBL).

LTAT20 (color) For 1" T-bar, 1/4" drop
 LTAT21 (color) For 1" T-bar, 1/2" drop
 LTAT22 (color) For 1/2" T-bar, 1/4" drop
 LTAT23 (color) For 1/2" T-bar, 1/2" drop



T-Bar Junction Box

LTAT25



T-Bar Earthquake Clips

Provides added structural support for 1" T-bar. Set of three.

LTAT32



Cord-and-Plug Feed

Permits track to be connected to grounded outlet. 12", 3-wire cord. Maximum 10 amps. Includes one dead end. Consult factory for use. Available in white (WH) and black (DBL).

LTA10 (color) One-circuit



Grounded Convenience Outlet

Provides an electrical outlet on the track. Consult factory for use. Available in white (WH) and black (DBL).

LTA15 (color)



Switch Module ²

Allows independent switching of connected fixtures. Available in white (WH) and black (DBL).

LTA17 (color) One-circuit and two-circuit



Line-Voltage Monopoint ²

Converts line-voltage track fixture for direct wiring to an outlet box. For use with 120V fixture. Available in white (WH) and black (DBL).

LTA18 (color)



Low-Voltage Monopoint

Converts low-voltage track fixture for direct wiring to an outlet box. Designed for use with electronic low-voltage fixture. Available in white (WH) and black (DBL).

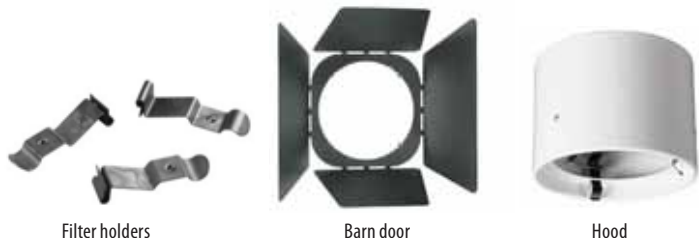
LTA21 (color)



Notes

- 1 Two stems required for 2' or 4' track. Three stems required for 8' track. Four stems required for 12' track. Can be field-cut and threaded.
- 2 Not available for use with LTD CFWW20.

PRODUCT INFORMATION



TRACK HEAD ACCESSORIES

ORDERING INFORMATION

Example: LTFH500 WH

Series/Size ^{1,2}		Finish	
Series^{1,2}		Size	WH White DBL Black
LTFH	Filter holder	200	
LTWFH	Filter holder	400	
LTGCS	Filter holder clips	500	
H	Hood ³	600	
LTBD	Barn door	700	
LTWBD	Barn door ⁴	701	
LTGBD	Barn door	800	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Notes

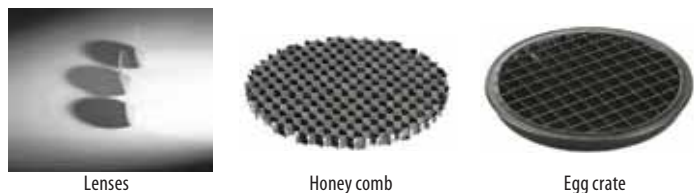
- 1 All filter holders and barn doors will accommodate up to two lenses or louvers.
- 2 See table for size availability. Refer to track head specification sheet for actual series/size compatibility.
- 3 Hood will accommodate one lens or louver.
- 4 Will not accept lens or louvers.

CONFIGURATIONS

SERIES	LENS/LOUVER SIZE						
	200	400	500	600	700	701	800
LTFH			■				■
LTWFH		■	■		■		
LTGCS							■
LTBD			■		■		
LTWBD		■	■		■		
LTGBD	■	■	■		■	■	
H		■		■			

PRODUCT INFORMATION

LENSES (FILTERS) & LOUVERS



ORDERING INFORMATION

Example: F400 RR

Series/Size ³		Lens		Finish ⁴	
Series	Size	<u>Dichronic borosilicate lenses (safety glass)</u>		(blank) Black	
F Lens (filter) ¹	100	RED	Red filter	RR	Ruby red filter
L Louver ^{1,2}	200	GAMB	Golden amber filter	MB	Medium blue filter
	400	YEL	Yellow filter	MG	Medium green filter
	500	GRN	Green filter	MA	Medium amber filter
	600	CBLUE	Cool blue filter	DB	Dark blue filter
	700			MP	Medium pink filter
	800				
		<u>Soda lime lenses¹</u>		<u>Borosilicate beam-shaping lenses (safety glass)</u>	
		MBLUE	Medium blue filter	PMF	Perimeter frost lens
		CPCB	Cool peach filter	LTF	Light frost lens
		MGN	Magenta filter	SFG	Softening lens
		CYAN	Cyan filter	MA	Medium amber filter
		CL	Clear safety lens	SL	Spread lens
		UV	+99% UV blocking below 400 nm	EG	Elongating lens

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS

LAMP TYPE	LENS/LOUVER SIZE					
	200	400	500	600	700	800
MR16	■		■			
PAR16			■			
PAR20		■	■			
PAR30			■		■	
PAR36					■	
PAR38					■	■
PAR38/3				■	■	

Notes

- 1 Safety glass required in combination when used with MR16.
- 2 Not recommended for use with aluminized reflector MR16. Not available with lens types.
- 3 See table for lamp compatibility.
- 4 Available with louvers (L) only.



LITHONIA DECORATIVE & RESIDENTIAL

Lithonia Lighting is changing the way you look at decorative fluorescent fixtures with bold new styles and with energy-saving technology. Our decorative line includes a comprehensive selection of models that are ENERGY STAR® qualified. Lithonia Lighting is proud to be an ENERGY STAR partner – introducing products that meet energy-savings guidelines to help consumers save money and the environment.



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PRODUCT INFORMATION

FERROS

Family



Intended Use

The Ferros family of lighting fixtures provides general illumination in residential and light commercial applications. Ideal for use in dining areas, kitchens, foyers, hallways, bathrooms and hospitality areas.

Construction

A transitional style offered in either a unique bronze finish with tea-stained glass or a brushed-nickel finish with acid-etched, frosted glass.

All fixtures in the Ferros family feature matching finials, canopy and stems.

Electrical

Includes 2700K fluorescent lamps for energy efficiency, superior color rendering and long life.

Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

Installation

All mounting hardware included. Use with non-dimmable switches only.

Listings

UL Listed to U.S. and Canadian safety standards. ENERGY STAR® qualified.



Example: 11530 BZA

ORDERING INFORMATION

Series ¹	Ballast ¹	Finish	Options
<p>Flush/semi-flush² 11530 14" diameter, (1) 55W 2C T6 lamp</p> <p>Sconce³ 11531 (1) 13W lamp</p> <p>Vanity³ 11532 2-light, (2) 13W lamps 11533 3-light, (3) 13W lamps 11534 4-light, (4) 13W lamps</p>	<p>Mini-pendant^{2,4} 11536 (1) 13W lamp</p> <p>Island^{3,5} 11537 (4) 13W lamp</p> <p>Pendant^{2,5} 11538 (1) 70W 2C T6 lamp</p>	<p>Chandelier³ 11535 5-light, (5) 13W lamps⁵</p>	<p>(blank) 120V residential electronic ballast (standard) For other voltage and ballast, consult factory.</p>
		<p>BZA Antique bronze BN Brushed nickel</p>	<p>Consult factory.</p>

ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

CONFIGURATIONS

Dimensions are shown in inches (centimeters) unless otherwise noted.

DESCRIPTION	SERIES	NUMBER OF LAMPS/ LAMP TYPE	LENGTH	HEIGHT	DEPTH ⁶
5-light chandelier	11535	(5) 13W compact full spiral	24 (61.0)	24 (61.0)	up to 62 (157.5) w/chain
Island	11537	(4) 13W compact full spiral	34-1/2 (87.6)	5 (12.7)	up to 68-1/8 (173.0) w/chain
Pendant	11538	(1) 70W 2C T6	24 (61.0)	24 (61.0)	up to 66-5/8 (169.2) w/chain
Flush/semi-flush	11530	(1) 55W 2C T6	14 (35.6)	14 (35.6)	flush: 6-5/8 (16.8); semi-flush: 9-5/8 (24.4)
Mini-pendant	11536	(1) 13W compact full spiral	5 (12.7)	5 (12.7)	13-7/8 (35.2)
Sconce	11531	(1) 13W compact full spiral	4-1/2 (11.4)	9-3/8 (23.8)	6-1/8 (15.6)
2-light vanity	11532	(2) 13W compact full spiral	14-1/4 (36.2)	9-7/8 (25.1)	6-1/8 (15.6)
3-light vanity	11533	(3) 13W compact full spiral	24 (61.0)	9-7/8 (25.1)	6-1/8 (15.6)
4-light vanity	11534	(4) 13W compact full spiral	33-3/4 (85.7)	9-7/8 (25.1)	6-1/8 (15.6)

Notes

- 1 Use with non-dimmable switches only.
- 2 Includes (1) 2C 6T 2700K fluorescent lamp.
- 3 Includes 13W compact full spiral 2700K fluorescent lamp(s).
- 4 Supplied with 72" of power cord.
- 5 Supplied with 11' of power cord.
- 6 Extension from wall or ceiling.

PIEDMOUNT

Family



Intended Use

The Piedmont family of lighting fixtures provides general illumination in residential and light commercial applications. Ideal for use in dining areas, kitchens, foyers, hallways, bathrooms and hospitality areas.

Construction

Arts-and-crafts styling with brushed nickel or antique bronze finish and sand-textured opal or beige glass diffuser.

Electrical

Includes 2700K compact integrated spiral or 2C lamps for superior color rendering and long life.

Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics. Use with non-dimmable switches only.

Installation

All mounting hardware included.

Listings

UL Listed to U.S. and Canadian safety standards. ENERGY STAR® qualified.



ORDERING INFORMATION

Example: 10861 BN

Series ¹		Ballast ¹	Finish	Options
Sconce ²	Flush mount ³	(blank) 120V residential electronic ballast (standard) For other voltage and ballast, consult factory.	BZA Antique bronze ⁶ BN Brushed nickel	Consult factory.
10861 (1) 13W lamp	10866 16-1/4" diameter, (1) 40W 2C T6 lamp			
Vanity ²	10867 18-1/2" diameter, (1) 55W 2C T6 lamp			
10862 2 light, (2) 13W lamps	Pendant ^{3,4}			
10863 3 light, (3) 13W lamps	10868 (1) 55W 2C T6 lamp			
10864 4 light, (4) 13W lamps				
	Chandelier ^{2,5}			
	10865 5-light, (5) 13W lamps			
	Mini-pendant ^{2,4}			
	10870 (1) 13W lamp			

ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

CONFIGURATIONS						
Dimensions are shown in inches (centimeters) unless otherwise noted.						
DESCRIPTION	SERIES	NUMBER OF LAMPS/LAMP TYPE	WIDTH	LENGTH	DEPTH ⁷	
5-light chandelier	10865	(5) 13W compact integrated spiral with ballast	20 (50.8)	20 (50.8)	up to 57 (144.8) w/chain	
Pendant	10868	(1) 55W 2C T6	18-1/2 (47.0)	18-1/2 (47.0)	21-1/2 (54.6) to 58 (147.3) w/chain	
Small flush	10866	(1) 40W 2C T6	16-1/4 (41.3)	16-1/4 (41.3)	6-1/4 (15.9)	
Large flush	10867	(1) 55W 2C T6	18-1/2 (47.0)	18-1/2 (47.0)	7 (17.8)	
Mini-pendant	10870	(1) 13W compact integrated spiral	5 (12.7)	5 (12.7)	19-1/8 (48.6) to 56 (142.2) with chain	
Sconce	10861	(1) 13W compact integrated spiral	4-1/2 (11.4)	10-1/2 (26.7)	8 (20.3)	
2-light vanity	10862	(2) 13W compact integrated spiral	14 (35.6)	10-1/2 (26.7)	7-1/2 (19.1)	
3-light vanity	10863	(3) 13W compact integrated spiral	24 (60.1)	10-1/2 (26.7)	8 (20.3)	
4-light vanity	10864	(4) 13W compact integrated spiral	33-3/4 (85.7)	10-1/2 (26.7)	8 (20.3)	

Notes

- 1 Use with non-dimmable switches only.
- 2 Includes (1) 13W compact full spiral 2700K fluorescent lamps with integral 120V electronic ballast.
- 3 Includes (1) 40W or (1) 55W 2C 6T 2700K lamp.
- 4 Supplied with 10' of power cord.
- 5 Supplied with 11' of power cord.
- 6 Not available with sconce.
- 7 Extension from wall or ceiling.

PRODUCT INFORMATION

SHEFFIELD

Family



Intended Use
The Sheffield family of lighting fixtures provides general illumination in residential and light commercial applications. Ideal for use in dining areas, kitchens, foyers, hallways, bathrooms, and hospitality areas.

Construction
A distinctive traditional style with black bronze finish and satin-etched, swirled white glass diffuser.

Electrical
Includes 2700K double twin tube (flush/semi-flush) or triple tube (pendant/vanity) compact fluorescent lamps for energy efficiency, superior color rendering and long life.

Residential-grade electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics. Use with non-dimmable switches only.

Installation
All mounting hardware included.

Listings
UL Listed to U.S. and Canadian safety standards. ENERGY STAR® qualified.



Example: 11780 BZ

ORDERING INFORMATION		Ballast ²	Finish	Options
Series^{1,2}				
Flush/semi-flush		(blank) 120V residential electronic ballast (standard) For other voltage and ballast, consult factory.	BZ Black bronze	Consult factory.
11780 11" diameter, (2) 13W DTT lamps	Sconce			
11782 13" diameter, (2) 18W DTT lamps	Vanity			
11784 15" diameter, (1) 55W 2CT6	11790 2-light, (2) 13W DTT lamps			
Pendant³	11792 3-light, (3) 13W DTT lamps			
11786 23" diameter, (3) 18W integrated spiral	11794 4-light, (4) 13W DTT lamps			

ADDITIONAL INFORMATION For additional product information, visit www.lightahome.com.

CONFIGURATIONS						
Dimensions are shown in inches (centimeters) unless otherwise noted.						
DESCRIPTION	SERIES	NUMBER OF LAMPS/LAMP TYPE	LENGTH	HEIGHT	FLUSH DEPTH ⁴	SEMI-FLUSH DEPTH ⁴
11" flush/semi-flush	11780	(2) 13W DTT (G24q-1)	11 (27.9)	N/A	4-7/8 (12.4)	12-3/4 (32.4)
13" flush/semi-flush	11782	(2) 18W DTT (G24q-2)	13 (33.0)	N/A	5-3/8 (13.6)	13 (33.0)
15" flush/semi-flush	11784	(1) 55W 2CT6	15 (38.2)	N/A	6 (15.2)	13-3/4 (34.9)
23" pendant ³	11786	(3) 18W TRT (G24q-2)	22-3/4 (57.8)	N/A	N/A	up to 72 (182.9) w/chain
Sconce	11788	(1) 13W DTT	6 (15.2)	N/A	7-1/4 (18.4)	N/A
2-light vanity	11790	(2) 13W DTT	20-3/8 (51.8)	9 (22.9)	7-3/4 (19.7)	N/A
3-light vanity	11792	(3) 13W DTT	28-7/8 (73.4)	9 (22.9)	7-3/4 (19.7)	N/A
4-light vanity	11794	(4) 13W DTT	37-1/4 (94.6)	9 (22.9)	7-3/4 (19.7)	N/A

- Notes**
- 1 2700K compact fluorescent lamps included.
 - 2 Use with non-dimmable switches only.
 - 3 3' of chain and 10' of wire provided.
 - 4 Extension from wall or ceiling.

ACORN TULIP LILY ZENTRO

Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in offices, hospitality areas and all rooms in the home.

Construction

Acorn: A contemporary soft curve design in amber or white frosted glass with a brushed nickel cap. The acorn is suspended from a sleek, brushed nickel canopy with silver cord adjustable to height preference.

Tulip: Tulip-shape, white frosted glass with clear glass drop point provides up and downlight effects. The tulip is suspended from a sleek,

brushed nickel canopy with silver cord adjustable to height preference.

Lily: White frosted glass with brushed nickel cap provides a downlight effect. The Lily is suspended from a sleek, brushed nickel canopy with silver cord adjustable to height preference.

Zentro: Etched crinkle-glass in azure blue, seaweed green, or milk white with a transparent outer glass cylinder. The Zentro hangs from a 6" adjustable clear cord and chrome canopy. It can be mounted on sloped ceilings.

Electrical

Includes 13W, 3500K compact fluorescent lamp(s) for energy efficiency, superior color rendering and long life.

Residential electronic ballast (120V, 60HZ) ensures no flickering and quiet operation without interfering with other home electronics. Use with non-dimmable switches only.

Installation

All mounting hardware included.

Listings

UL Listed to U.S. and Canadian safety standards. ENERGY STAR® qualified.



ORDERING INFORMATION

Example: 11994 GA

Series ^{1,2}		Ballast ²	Options
Acorn 11994 GA Amber 11994 GW White	Lily 11998 GW White	(blank) 120V residential electronic ballast (standard) For other voltage and ballast, consult factory.	Consult factory.
Tulip 11996 GW White	Zentro 11990 GB Azure blue 11990 GG Seaweed green 11990 GW Milk white		

ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

CONFIGURATIONS				
Dimensions are shown in inches (centimeters) unless otherwise noted.				
SERIES	NUMBER OF LAMPS/LAMP TYPE	DIAMETER	DEPTH	LENGTH
Acorn	(1) 13W compact full spiral	4-7/8 (12.4)	8 (20.3)	up to 74 (188.0)
Tulip	(1) 13W compact quad tube	6 (15.2)	8-5/8 (21.9)	up to 74-1/2 (189.2)
Lily	(1) 13W compact quad tube	6 (15.2)	8-5/8 (21.9)	up to 74-1/2 (189.2)
Zentro	(1) 13W compact quad tube	4-3/4 (12.1) 4-7/8 (12.4) (canopy)	11-1/2 (29.2)	up to 72 (182.9)

Notes

- 1 Includes 13W 3500K compact fluorescent lamp(s).
- 2 For use with non-dimmable switches only.

SATURN



Intended Use
Provides general illumination in residential and light commercial applications. Ideal for use in foyers, hallways, bedrooms, offices, utility work areas, stairways and many other rooms in the house. Flush-mount fixtures are preferred on lower ceilings, while semi-flush lights are ideal on medium to high ceilings.

Construction
Contemporary style fixture. Twin steel rings surround a

dropped, milk-white acrylic diffuser. Complemented with matching finials in either a brushed nickel or antique bronze finish. Diffuser provides widespread illumination. Fixture can be flush or semi-flush mounted; matching brushed nickel canopy and stems included for semi-flush mounting. Finials provide easy access for cleaning and maintenance.

Electrical
Includes 26W compact quad tube (QT) 4-pin 3500K fluorescent lamp(s) for energy efficiency, superior color rendering and long life.

Residential with electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

Use with non-dimmable switches only.

Installation
All mounting hardware included.

Listings
CUL Listed to U.S. and Canadian safety standards and suitable for damp locations. ENERGY STAR® qualified.



Example: 11750 BN

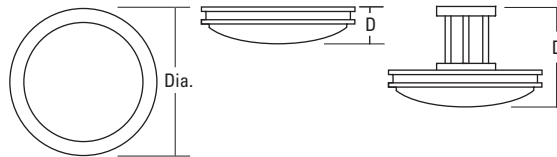
ORDERING INFORMATION

Series ^{1,2}	Ballast ²	Finish	Options
11750 13" diameter, (1) 26W QT	(blank) 120V residential electronic ballasts (standard)	BN Brushed nickel	Consult factory.
11752 16" diameter, (2) 26W QT	For other voltage and ballast, consult factory.	BZA Antique bronze	

ADDITIONAL INFORMATION For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS

CF26QT35 4PIN R6	26W compact (DTT) 4-pin 3500K fluorescent lamp
DSATN13	13" glass diffuser, milk white
DSATN16	16" glass diffuser, milk white



	13"	16"
Diameter:	13 (30.5)	16 (40.6)
Depth flush:	3-1/8 (7.9)	3-1/4 (8.3)
Depth semi-flush:	8-3/8 (21.3)	8-5/8 (21.9)

Notes

- Includes 26W compact quad tube (QT) 4-pin 3500K fluorescent lamp(s).
- Use with non-dimmable switches only.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

PRODUCT INFORMATION

PRISTINE



Intended Use
Provides general illumination in residential and light commercial applications. Ideal for use in foyers, hallways, bedrooms, offices, utility work areas, stairways and many other rooms in the house. Flush-mount fixtures are preferred on lower ceilings, while semi-flush lights are ideal on medium to high ceilings.

Construction
Clean, art-deco fixture with brushed nickel finish housing. Satin-etched glass diffuser provides widespread, uniform illumination. Fixture can be flush or semi-flush mounted; matching brushed nickel canopy/stem included for semi-flush mounting. Diffuser twist-locks into housing for hardware-free appearance and provides easy access for cleaning and maintenance.

Electrical
Includes 26W compact quad tube (QT) 4-pin, 3500K fluorescent lamp(s) for energy efficiency, superior color rendering and long life.

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other electronics.

Use with non-dimmable switches only.

Installation
All mounting hardware included.

Listings
CUL Listed to U.S. and Canadian safety standards. ENERGY STAR® qualified.



Example: 11734 BN

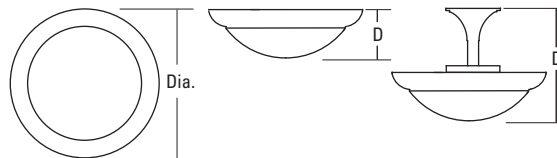
ORDERING INFORMATION

Series ^{1,2}	Ballast ²	Finish	Options
11734 14" diameter, (1) 26W QT	(blank) 120V residential electronic ballast (standard)	BN Brushed nickel	Consult factory.
11736 16" diameter, (2) 26W QT	For other voltage and ballast, consult factory.		

ADDITIONAL INFORMATION For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS

CF26QT35 4PIN R6	26W QT, 4-pin 3500K fluorescent lamp
DPRIS14	14" glass diffuser, satin-etched
DPRIS16	16" glass diffuser, satin-etched



	Small	Large
Diameter:	14 (33.0)	16-1/2 (41.9)
Depth flush:	4-3/8 (11.1)	5-1/2 (14.0)
Depth semi-flush:	10-3/8 (26.4)	10-3/4 (27.3)

Notes

- Includes 26W compact quad tube (QT) 4-pin 3500K fluorescent lamp(s).
- Use with non-dimmable switches only.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in foyers, hallways, bedrooms, offices, utility work areas, stairways and many other rooms in the house.

Construction

Modern and contemporary in design, the Elliptis offers straight, clean lines and an elliptical shaped glass. Polished brushed nickel is gorgeously balanced with ribbed, cased opal glass.

2700K fluorescent for energy efficiency, superior color rendering and long life.

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

For use with non-dimmable switches only.

Installation

All mounting hardware included.

Listings

CUL Listed to U.S. and Canadian safety standards and suitable for damp locations. ENERGY STAR® qualified.

ELLIPTIS



ORDERING INFORMATION

Example: 11544 BNP

Series ^{1,2}	Ballast ²	Finish	Options
Flush 11545 16" diameter, (1) 55W 2C T6 lamp Semi-flush 11541 9" diameter, (1) 18W integrated spiral lamp ³ 11544 13" diameter, (1) 55W 2C T6 lamp	(blank) 120V residential electronic ballast (standard) For other voltage and ballast, consult factory.	BNP Polished brushed nickel	Consult factory.

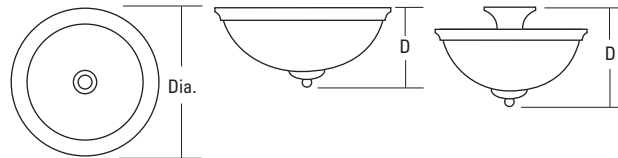
ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS

F2C5527	55W 2C T6 2700K fluorescent lamp
DELLP 13 WH	13" ribbed glass diffuser
DELLP 16 WH	16" ribbed glass diffuser

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	Flush	Semi-flush Large	Semi-flush Small
Diameter:	16-3/8 (41.6)	13-1/8 (33.3)	8-3/4 (22.2)
Depth:	7 (17.8)	7-3/4 (19.6)	6 (15.2)

Notes

- Includes (1) 55W 2C T6 2700K fluorescent lamp.
- Use with non-dimmable switches only.
- Compact integrated spiral lamp includes ballast.

PRODUCT INFORMATION

Flush

Intended Use

Complements both traditional and transitional decors providing warm, inviting light.

Provides general illumination in residential and light commercial applications. Ideal for use in foyers, hallways, bedrooms, offices, stairways and many other rooms in the

house. Ideal on medium to high ceilings.

Construction

Scavo glass with antique white or antique bronze finials. (Both finials are included.)

Electrical

Includes (1) 55W 2C T6 compact short spiral 2700K fluorescent for energy

efficiency, superior color rendering and long life.

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

For use with non-dimmable switches only.

Installation

All mounting hardware included.

Listings

CUL Listed to U.S. and Canadian safety standards and suitable for damp locations. ENERGY STAR® qualified.

BOBBIE



ORDERING INFORMATION

Example: 11777 GLS

Series ^{1,2}	Ballast ²	Finish	Options
11777 15" diameter, (1) 55W 2C T6 lamp	(blank) 120V residential electronic ballast (standard) For other voltage and ballast, consult factory.	GLS Glass	Consult factory.

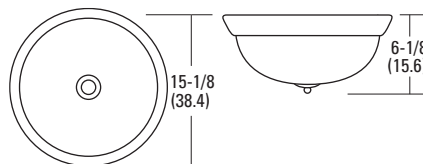
ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS

F2C5527	55W T6 2C 2700K fluorescent
DBOBI	Scavo glass diffuser

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Includes (1) 55W 2C T6 2700K fluorescent lamp.
- Use with non-dimmable switches only.

LOW-PROFILE ROUND



Intended Use
Provides general illumination in residential and light commercial applications. Ideal for use in foyers, hallways, bedrooms, offices, utility work areas, stairways and many other rooms in the house.

Construction
The beauty, of simplicity in low-profile round, stay-white, acrylic diffuser, available in three sizes: 11", 14" or 19".

Hidden cam-latches provide easy diffuser removal for installation and maintenance.

Electrical
Fixtures available with lamp(s) and without lamp(s). Fixtures without lamp(s) are available in either compact double twin tube (DTT) 4-pin or circline T9 fluorescent lamp(s) configurations. Fixtures with lamp(s) include circline T9 4100K fluorescent

lamp(s) for energy efficiency, superior color rendering and long life.

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics. For use with non-dimmable switches only.

Installation
All mounting hardware included.

Listings
CUL Listed to U.S. and Canadian safety standards and suitable for damp locations. ENERGY STAR® qualified.



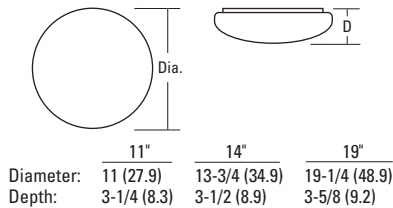
Example: FM22 ACLR LP

ORDERING INFORMATION

Series ¹			Options		
11" diameter			Consult factory.		
FM22 ACLR LP	(1) 22W circline T9 lamp ²				
FMLR 22	(1) 22W circline T9 lamp ³				
FMLR11 2 13 DTT	(2) 13W compact (DTT) lamps ³				
14" diameter					
FM54 ACLR LP	(1) 22W & (1) 32W circline T9 lamp ²				
FMLR 54	(1) 22W & (1) 32W circline T9 lamp ³				
FMLR14 2 18 DTT	(2) 18W compact (DTT) lamps ³				
19" diameter					
FM72 ACLR LP	(1) 32W & (1) 40W circline T9 lamp ²				
FMLR 72	(1) 32W & (1) 40W circline T9 lamp ³				
FMLR19 3 26 DTT	(3) 26W compact (DTT) lamps ³				

ADDITIONAL INFORMATION For additional product information, visit www.lightahome.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes
1 Use with non-dimmable switches only.
2 Includes circline T9 4100K fluorescent lamp(s).
3 Lamp(s) not included.

PRODUCT INFORMATION

LOW-PROFILE SQUARE



Intended Use
Provides general illumination in residential and light commercial applications. Ideal for use in foyers, hallways, bedrooms, offices, utility work areas, stairways and many other rooms in the house.

Construction
The beauty of simplicity in a low-profile square, stay-white, acrylic diffuser,

available in three sizes: 12", 15" or 20". Hidden cam-latches provide easy diffuser removal for installation and maintenance.

Electrical
Fixtures available with lamp(s) and without lamp(s). Fixtures without lamp(s) are available in either compact double twin tube (DTT) or circline T9 fluorescent lamp

configurations. Fixtures with lamp(s) include circline T9 4100K fluorescent lamp(s) for energy efficiency, superior color rendering and long life.

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics. For use with non-dimmable switches only.

Installation
All mounting hardware included.

Listings
CUL Listed to U.S. and Canadian safety standards and suitable for damp locations. Fixtures with lamps are ENERGY STAR® qualified.



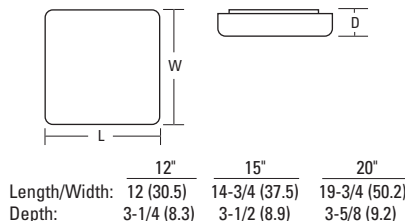
Example: FM22 ACLS LP

ORDERING INFORMATION

Series ¹			Options		
12" square			Consult factory.		
FM22 ACLS LP	(1) 22W circline T9 lamp ²				
FMLS 22	(1) 22W circline T9 lamp ³				
15" square					
FM54 ACLS LP	(1) 22W & (1) 32W circline T9 lamp ²				
FMLS 54	(1) 22W & (1) 32W circline T9 lamp ³				
20" square					
FM72 ACLS LP	(1) 32W & (1) 40W circline T9 lamp ²				
FMLS 72	(1) 32W & (1) 40W circline T9 lamp ³				

ADDITIONAL INFORMATION For additional product information, visit www.lightahome.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes
1 Use with non-dimmable switches only.
2 Includes circline T9 lamp(s).
3 Lamp(s) not included.

PRODUCT INFORMATION

Flush

Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in foyers, hallways, bedrooms, offices, utility work areas, stairways and many other rooms in the house.

Construction

The Disk emphasizes contemporary design to complement

decors with a modern sensibility. A polished brushed nickel, low-profile housing and a flat glass diffuser make a subtle but bold statement. The diffuser has a frosted, white screened center that provides a widespread, even illumination. Its clear outer ring has a glowing effect when illuminated which is complemented by a flat polished brushed nickel disk finial. Can be wall mounted.

The finial provides easy access for cleaning and maintenance.

Electrical

Includes (1) 22W or (1) 40W circline T5 3500K fluorescent lamp for energy efficiency, superior color rendering and long life.

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

Use with non-dimmable switches only.

Installation

All mounting hardware included.

Listings

CUL Listed to U.S. and Canadian safety standards and suitable for damp locations. ENERGY STAR® qualified. ADA compliant.

DISK



ADA



ORDERING INFORMATION

Example: 11560 BNP

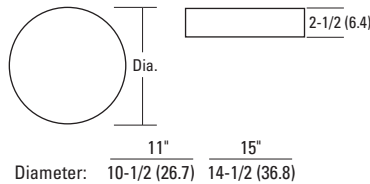
Series ¹	Ballast ²	Finish	Options
11560 11" diameter, (1) 22W circline T5 lamp	(blank) 120V residential electronic ballast (standard)	BNP Polished brushed nickel	Consult factory.
11562 15" diameter, (1) 40W circline T5 lamp	For other voltage and ballast, consult factory.		

ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS	
FC22T35	22W circline T5 fluorescent 3500K lamp
FC40T35	40W circline T5 fluorescent 3500K lamp
DDISK11	11" opal glass diffuser
DDISK15	15" opal glass diffuser

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Includes (1) 22W and (1) 32W circline T5 3500K fluorescent lamps.
- Use with non-dimmable switches only.

PRODUCT INFORMATION

Linear Design

Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in kitchens, offices, utility areas or closets.

Construction

Traditional style fixture with cast ends in a black-bronze or

white finish with matching finials. Durable, milk-white acrylic diffuser provides widespread, uniform illumination. Finials provide easy access and maintenance.

Electrical

Utilizes T8 linear lamp(s) for energy efficiency, superior color rendering and long life (not included).

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics. Use with non-dimmable switches only.

Installation

All mounting hardware included.

Listings

RE ballast fixtures are UL Listed and CSA Certified (standard), suitable for damp locations and ENERGY STAR® qualified. For non-RE ballast fixtures, UL Listed (standard) and CSA Certified (see Options).

RIGBY



ORDERING INFORMATION

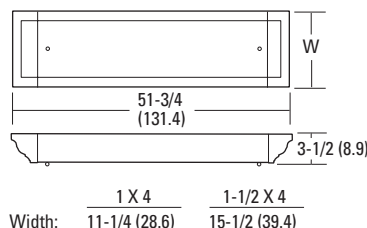
Example: 11642RE BZ

Series/Ballast ^{1,2}	Finish	Lamp type	Voltage	Options
Series¹	Ballast²	RE ballast fixtures only	RE ballast fixtures only	Non-RE ballast fixtures only
11642 1' x 4', (2) T8 lamps	RE 120V residential electronic T8 (standard)	(blank) No specification required	(blank) No specification required	MVOLT Multi-volt
11644 1-1/2' x 4', (4) T8 lamps		Non-RE ballast fixtures only		120 120V
		32 32W T8		277 277V
				347 347V
For other voltage and ballast, consult factory.				For other voltage, consult factory.
	BZ Black bronze			CSA Meets Canadian standards
	WH White			NOM Meets Mexican standards

ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Lamps not included.
- For use with non-dimmable switches only.

PRODUCT INFORMATION

CEILING MOUNT

LITEPUFF®



Intended Use
Provides general illumination in residential and light commercial applications. Ideal for use in kitchens, offices, utility areas or closets.

Construction
Durable, milk-white acrylic diffuser provides widespread,

uniform illumination. Low-profile styling complements a variety of decors. Clip-on diffuser provides easy access and maintenance.

Electrical
Utilizes T8 linear lamps for energy efficiency, superior

color rendering and long life (not included).

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics. For use with non-dimmable switches only.

Listings
RE ballast fixtures are UL Listed (standard) and CSA Certified suitable for damp locations and ENERGY STAR® qualified. For non-RE ballast fixtures, UL Listed (standard) and CSA Certified (see Options).



Example: 10640RE

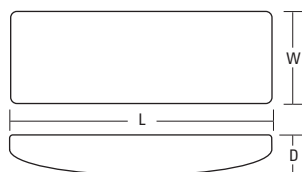
ORDERING INFORMATION

Series/Ballast ^{1,2}	Lamp type	Voltage	Options	
Series¹ 10640 1' x 4', (2) 32W T8 lamps 10641 1-1/2' x 2', (4) 17W T8 lamps 10651 2' x 2', (2) 31W T8-U lamps 10642 1-1/2' x 4', (4) 32W T8 lamps For other voltage and ballast, consult factory.	Ballast² RE 120V residential electronic ballast (standard)	RE ballast fixtures only (blank) No specification required Non-RE ballast fixtures only 17 17W T8 (2' fixtures only) U31 31W T8-U31 (1-5/8" leg) ³ U316 31W T8-U316 (6" leg) ³ 32 32W T8 (4' fixtures only)	RE ballast fixtures only (blank) No specification required Non-RE ballast fixtures only MVOLT Multi-volt 120 120V 277 277V 347 347V For other voltage, consult factory.	GEB Electronic ballast, ≤20% THD GEB10IS T8 electronic ballast, ≤10% THD, instant start GEB10RS T8 electronic ballast, ≤10% THD, rapid start CSA Meets Canadian standards ⁴ For other options, consult factory.

ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	1 X 4	1-1/2 X 4	2 X 2	1-1/2 X 4
Length:	51-1/2 (130.8)	27-3/8 (69.5)	27-3/8 (69.5)	51-1/2 (130.8)
Width:	11-1/4 (28.6)	16-5/8 (42.2)	27 (68.6)	16-5/8 (42.2)
Depth:	5-1/2 (14.0)	5-1/2 (14.0)	6-1/2 (16.5)	5-1/2 (14.0)

Notes

- Lamps not included.
- Use with non-dimmable switches only.
- Only available with 2' x 2' fixtures (U31 also can be ordered on RE ballast 2' x 2' fixtures).
- CSA standard on RE ballast fixtures.

PRODUCT INFORMATION

CIRRUS®



Intended Use
Provides general illumination in residential and light commercial applications. Ideal for use in kitchens, offices, utility areas or closets.

Construction
Durable, milk-white acrylic diffuser provides widespread,

uniform illumination. Low-profile styling complements a variety of decors.

Electrical
Utilizes T8 linear lamps (not included) for energy efficiency, superior color rendering and long life.

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics. For use with non-dimmable switches only.

Listings
RE ballast fixtures are UL Listed (standard) and CSA

Certified suitable for damp locations and ENERGY STAR® qualified. For non-RE ballast fixtures, UL Listed (standard) and CSA Certified (see Options).



Example: 11602RE

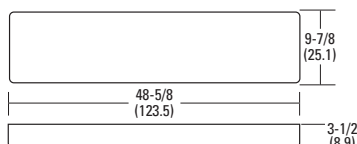
ORDERING INFORMATION

Series/Ballast ^{1,2}	Lamp type	Voltage	Options	
Series¹ 11602 1' x 4', (2) 32W T8 lamps 11604 1' x 4', (4) 32W T8 lamps For other voltage and ballast, consult factory.	Ballast² RE 120V residential electronic ballast (standard)	RE ballast fixtures only (blank) No specification required Non-RE ballast fixtures only 32 32W T8	RE ballast fixtures only (blank) No specification required Non-RE ballast fixtures only MVOLT Multi-volt 120 120V 277 277V 347 347V For other voltage, consult factory.	GEB Electronic ballast, ≤20% THD GEB10IS T8 electronic ballast, ≤10% THD, instant start GEB10RS T8 electronic ballast, ≤10% THD, rapid start CSA Meets Canadian standards ³ For other options, consult factory.

ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Lamps not included.
- Use with non-dimmable switches only.
- CSA standard on RE ballast fixtures.

LITHONIA DECORATIVE & RESIDENTIAL

METRO



PRODUCT INFORMATION

Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in offices and all rooms in the home.

Construction

Aluminum diffuser: A distinctly attractive fixture that can be cable suspended or flush mounted. Available in a contemporary design, perforated white aluminum diffuser for a soft non-glare ambient light. Unique step-

designed cast aluminum ends with brushed nickel finish.

Acrylic diffuser: The definition of urban chic with the Metro high-design contoured acrylic diffusers. Available in a sleek ribbed or etched, engraved geometric design. Both diffusers provide wide-spread uniform illumination. Durable die-cast aluminum ends in either a sleek brushed nickel or black-bronze finish compliment the diffuser's unique designs.

Decorative matching finials provide easy access for cleaning and maintenance.

Electrical

Utilizes (2) linear T8 fluorescent lamps for energy efficiency, superior color rendering and long life (not included).

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

For use with non-dimmable switches only.

Installation

All mounting hardware included.

Listings

RE ballast fixtures are UL Listed (standard) and CSA Certified suitable for damp locations and ENERGY STAR® qualified. For non-RE ballast fixtures, UL Listed (standard) and CSA Certified (see Options).



ORDERING INFORMATION

Example: 11746RE BN

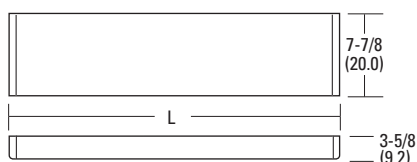
Series/Ballast ^{1,2}		Finish ³	Lamp type	Voltage	Options
Series¹	Ballast²	BN Brushed nickel	<u>RE ballast fixtures only</u>	<u>RE ballast fixtures only</u>	GEB Electronic ballast, ≤20% THD
<u>Perforated diffuser</u>	RE 120V residential electronic ballast (standard)	BZ Black bronze	(blank) No specification required	(blank) No specification required	GEB10IS T8 electronic ballast, ≤10% THD, instant start
11722 1' x 2', (2) 17W T8 lamps			<u>Non-RE ballast fixtures only</u>	<u>Non-RE ballast fixtures only</u>	GEB10RS T8 electronic ballast, ≤10% THD, rapid start
11742 1' x 4', (2) 32W T8 lamps			17 17W T8 (2' fixtures only)	MVOLT Multi-volt	CSA Meets Canadian standards
<u>Ribbed diffuser</u>			32 32W T8 (4' fixtures only)	120 120V	For other options, consult factory.
11726 1' x 2', (2) 17W T8 lamps				277 277V	
11746 1' x 4', (4) 32W T8 lamps				347 347V	
<u>Etched diffuser</u>				For others voltage, consult factory.	
11740 1' x 2', (2) 17W T8 lamps					
11741 1' x 4', (2) 32W T8 lamps					

For other voltage and ballast, consult factory.

ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Length: $\frac{1 \times 2}{24-1/2 (62.2)}$ $\frac{1 \times 4}{48-1/2 (123.2)}$

Notes

- 1 Lamps not included.
- 2 Use with non-dimmable switches only.
- 3 Available only with ribbed diffuser and etched diffuser.

PRISTINE



Intended Use
Provides general illumination in residential and light commercial applications. Ideal for use in offices and all rooms in the home.

Construction
The Pristine fixture offers a distinct silk screen patterned acrylic diffuser and a champagne brushed nickel finish, extruded aluminum frame with matching decorative

center strip and finials. Center lock-up with finials for easy installation and cleaning of diffuser.

Electrical
Utilizes (4) 32W linear T8 fluorescent lamps for energy efficiency, superior color rendering and long life (not included).

Residential electronic ballast (120V, 60Hz) ensures no

flickering and quiet operation without interfering with other electronics. Also available in other ballast configurations.

For use with non-dimmable switches only.

Installation
All mounting hardware included.

Listings
UL Listed (standard) and ENERGY STAR® qualified.

CSA standard on RE ballast fixtures. For non-RE ballast fixtures, UL Listed (standard) and CSA Certified.



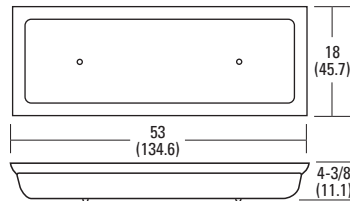
Example: 11735RE BNC

ORDERING INFORMATION		Finish	Lamp type	Voltage ³
Series/Ballast^{1,2}		BNC Champagne brushed nickel	RE ballast fixtures only (blank) No specification required Non-RE ballast fixtures only 32 32W linear T8	Consult factory.
Series¹ 11735 1-1/2' x 4', (4) 32W linear T8 lamps	Ballast² RE 120V residential electronic ballast (standard)			
For other voltage and ballast, consult factory.				

ADDITIONAL INFORMATION For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS	
DPRIS48	White acrylic pattern diffuser

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



- Notes**
- Lamps not included.
 - Use with non-dimmable switches only.
 - No designation for voltage type is required on RE ballast fixtures.

ELLIPTIS



Intended Use
Provides general illumination in residential and light commercial applications. Ideal for use in offices and all rooms in the home.

Construction
The Elliptis fixture offers a contemporary design with its nickel or antique bronze finish housing, which is balanced with a ribbed opal

acrylic diffuser. The matching nickel finials complete the contemporary design and allow for easy maintenance and cleaning of diffuser.

Electrical
Utilizes (3) 32W linear T8 3500K fluorescent lamps for energy efficiency, superior color rendering and long life (not included).

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other electronics. Also available in other ballast configurations.

For use with non-dimmable switches only.

Installation
All mounting hardware included.

Listings
CUL Listed to U.S. and Canadian safety standards and suitable for damp locations. ENERGY STAR® qualified.



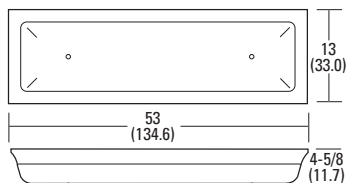
Example: 11549RE BZA

ORDERING INFORMATION		Finish	Voltage ³
Series/Ballast^{1,2}		BZA Antique bronze NK Nickel	Consult factory.
Series¹ 11549 (3) 32W linear T8 lamps	Ballast² RE 120V residential electronic ballast (standard)		
For other voltage and ballast, consult factory.			

ADDITIONAL INFORMATION For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS	
DELL48	Ribbed white acrylic diffuser

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



- Notes**
- Lamps not included.
 - Use with non-dimmable switches only.
 - No designation for voltage type is required on RE ballast fixtures.

ARTISTEN



PRODUCT INFORMATION

Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in offices and all rooms in the home.

Construction

Decorative scrollwork cast end caps available in antique bronze with an extruded white acrylic diffuser.

Available in 4' or 2'.

Electrical

Utilizes (2) 32W linear T8 or (2) 17W linear T8 straight tube fluorescent lamps for energy efficiency, superior color rendering and long life (not included).

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation

without interfering with other electronics. Also available in other ballast configurations.

For use with non-dimmable switches only.

Installation

All mounting hardware included.

Listings

UL Listed (standard) and CSA Certified suitable for damp locations and ENERGY STAR® qualified. For non-RE ballast fixtures, UL Listed (standard) and CSA Certified (see Options).



ORDERING INFORMATION

Example: 10814 BZA

Series ¹	Ballast ²	Finish	Options
10814 1' x 4', (2) 32W linear T8 lamps	(blank) 120V residential electronic ballast (standard)	BZA Antique bronze	Consult factory.
10816 1' x 2', (2) 17W linear T8 lamps	For other voltage and ballast, consult factory.		

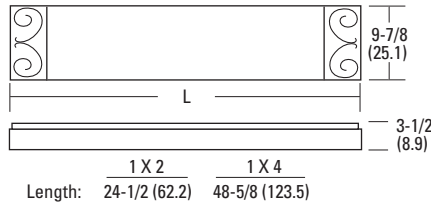
ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS

DFAL48 48" two-light acrylic diffuser

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Lamps not included.
- 2 Use with non-dimmable switches only.

PRODUCT INFORMATION

FUTRA



Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in offices and all rooms in the home.

Construction

Contemporary design complements decors with modern sensibility using

simple, sleek cast end caps available in brushed nickel with an extruded white acrylic diffuser. Available in 4' or 2'.

Electrical

Utilizes (2) 32W linear T8 straight tube fluorescent lamps for energy efficiency,

superior color rendering and long life (not included).

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other electronics. Also available in other ballast configurations.

For use with non-dimmable switches only.

Listings

UL Listed (standard) and CSA Certified suitable for damp locations and ENERGY STAR® qualified. For non-RE ballast fixtures, UL Listed (standard) and CSA Certified (see Options).



ORDERING INFORMATION

Example: 10813 BN

Series ¹	Ballast ²	Finish	Options
10813 1' x 4', (2) 32W linear T8 lamps	(blank) 120V residential electronic ballast (standard)	BN Brushed nickel	Consult factory.
10815 1' x 2', (2) 17W linear T8 lamps	For other voltage and ballast, consult factory.		

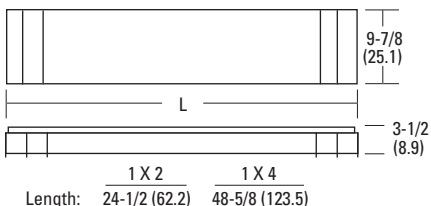
ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS

DFAL48 48" two-light acrylic diffuser

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Lamps not included.
- 2 Use with non-dimmable switches only.

DESIGNER ACRYLIC



Intended Use
Provides general illumination in residential and light commercial applications.

Construction
One-piece rugged matte white molded acrylic diffuser provides widespread uniform illumination. Available in square or round corners.

Offset mounted black fixture housing gives floating fixture appearance. White fixture housing available.

Electrical
Utilizes T8 lamps for energy efficiency, superior color rendering and long life (not included).

For use with non-dimmable switches only.

Listings
UL Listed (standard). CSA Certified or NOM Certified (see Options).

Example: MP2224 32 MVOLT

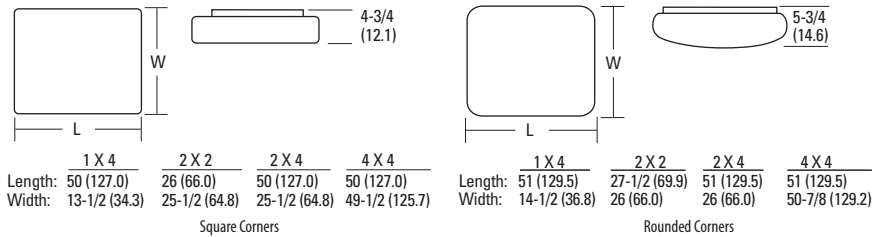
ORDERING INFORMATION

Series/Size ^{1,2}		Lamp type	Voltage		Options
Series¹	Size²	<u>RE ballast fixtures only</u>	MVOLT	Multi-volt	GEB Electronic ballast, ≤20% THD
MP Square corners	1424 1' x 4', (2) 32W T8 linear lamps	(blank) No specification required	120	120V	GEB10IS T8 electronic ballast, ≤10% THD, instant start
CL Round corners	2224 2' x 2', (2) 31W T8-U lamps	<u>Non-RE ballast fixtures only</u>	277	277V	GEB10RS T8 electronic ballast, ≤10% THD, rapid start
	2444 2' x 4', (4) 32W T8 linear lamps	U31 31W T8-U31 (1-5/8" leg) ³	347	347V	CSA Meets Canadian standards
	4464 4' x 4', (6) 32W T8 linear lamps	U316 31W T8-U316 (6" leg) ³	For other voltage, consult factory.		NOM Meets Mexican standards
	4484 4' x 4', (8) 32W T8 linear lamps	32 32W T8 (4' fixtures only)	For other options, consult factory.		

ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Black housing standard. For white housing, add WH to nomenclature. Example: MP1424 WH 32MVOLT
- Lamps not included.
- Only available with 2' x 2' fixtures. Acrylic diffuser and housing are packaged and shipped separately for protection.

PRODUCT INFORMATION

CAMBRIDGE



Intended Use
Provides general illumination in residential and light commercial applications. Ideal for use in offices and all rooms in the home.

Construction
Solid wood frame accented with popular crown molding design. Available in oak, unfinished oak, white, maple and off-white finishes. Unique flush-mount

system eliminates light leaks. Durable, milk-white acrylic, dropped dish diffuser provides widespread, uniform illumination. Matte texture prevents fingerprints. Lift-and-shift diffuser provides easy access for cleaning and maintenance.

Electrical
Utilizes T8 lamps for energy efficiency, superior color

rendering and long life (not included).

Standard 120V, 60Hz electronic ballast ensures no flickering and quiet operation without interfering with other electronics. Also available in other ballast configurations.

For use with non-dimmable switches only.

Installation

All mounting hardware included.

Listings

RE ballast fixtures are UL Listed and CSA Certified (standard), suitable for damp locations and ENERGY STAR® qualified. For non-RE ballast fixtures, UL Listed (standard) and CSA Certified (see Options).



Example: 11430RE OA

ORDERING INFORMATION

Series/Ballast ^{1,2,4}		Finish	Lamp type	Voltage		Options
Series¹	Ballast^{2,4}	OA Oak	<u>RE ballast fixtures only</u>	<u>RE ballast fixtures only</u>		GEB Electronic ballast ≤20% THD
11430 1' x 4', (2) 32W T8 lamps	RE 120V residential electronic ballast (standard)	UNFIN Unfinished	(blank) No specification required	(blank) No specification required		GEB10IS T8 electronic ballast, ≤10% THD, instant start
11431 2' x 2', (2) 31W T8-U lamps ³		WH White	<u>Non-RE ballast fixtures only</u>	<u>Non-RE ballast fixtures only</u>		GEB10RS T8 electronic ballast, ≤10% THD, rapid start
11432 1-1/2' x 4', (4) 32W T8 lamps		MA Maple	U31 31W T8-U31 (1-5/8" leg) ³	MVOLT Multi-volt		CSA Meets Canadian standards ⁴
For other voltage and ballast, consult factory.		OW Off-white	U316 31W T8-U316 (6" leg) ³	120 120V		For other options, consult factory.
			32 32W T8 (4' fixtures only)	277 277V		
				347 347V		
				For other voltage, consult factory.		

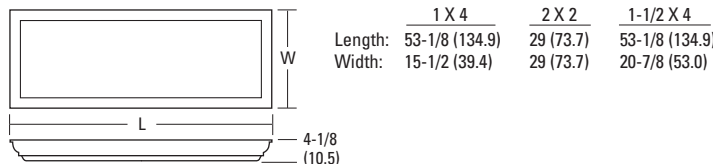
ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS

DSBDDROP	1' x 4' dropped white acrylic diffuser
DSBDDROP2	2' x 2' dropped white acrylic diffuser
D15SBDDROP	1-1/2' x 4' dropped white acrylic diffuser

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Lamps not included.
- Use with non-dimmable switches only.
- Only available with 2' x 2' fixtures (1-5/8" leg can be ordered on RE ballast 2' x 2' fixtures).
- CSA standard on RE ballast fixtures.

Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in offices and all rooms in the home.

Construction

Classic wrap with extruded clear prismatic acrylic dif-

fuser and nickel or bronze finish end caps. Unique flush mounting system eliminates light leaks. Durable, clear acrylic diffuser provides widespread, uniform illumination. Clip-on diffuser provides easy access for cleaning and maintenance.

Electrical

Utilizes (2) 32W linear T8

lamps for energy efficiency, superior color rendering and long life (not included).

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other electronics.

For use with non-dimmable switches only.

Installation

All mounting hardware included.

Listings

CUL Listed to U.S. and Canadian safety standards and suitable for damp locations. ENERGY STAR® qualified.

NICKEL END WRAP



Example: NEW 2 32 120 RE BN

ORDERING INFORMATION

Series ¹	Number of lamps ²	Lamp type	Voltage	Ballast	Finish	Options
NEW 1' x 4'	2	32 32W linear T8 lamps	120 120V	RE 120V residential electronic ballast (standard) For other voltage and ballast, consult factory.	BN Brushed nickel BZ Bronze	Consult factory.

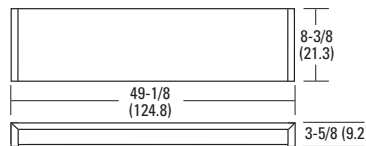
ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS

DNEW48 Clear prismatic acrylic lens

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Use with non-dimmable switches only.
- 2 Lamps not included.

Intended Use

Provides general illumination in residential and light commercial applications. Ideal for use in offices and all rooms in the home.

Construction

Classic wrap with solid wood oak ends in oak or white finishes. Low-profile styling complements a variety of

decors. Unique flush-mount system eliminates light leaks. Durable, clear (oak finish only) or milk-white acrylic diffuser provides widespread, uniform illumination. Clip-on diffuser provides easy access for cleaning and maintenance.

Electrical

Utilizes linear T8 lamps for energy efficiency, superior

color rendering and long life (not included).

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other electronics. Also available in other ballast configurations.

For use with non-dimmable switches only.

Installation

All mounting hardware included.

Listings

RE ballast fixtures are UL Listed and CSA Certified (standard), suitable for damp locations and ENERGY STAR® qualified. For non-RE ballast fixtures, UL Listed (standard) and CSA Certified (see Options).

OAK END WRAP



Example: 10635RE ACW OA

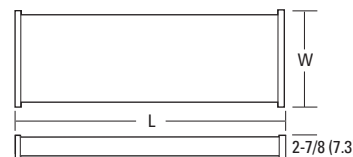
ORDERING INFORMATION

Series/Ballast ^{1,2,3}	Diffuser	Finish	Lamp type	Voltage	Options
Series¹					
10635 1' x 2', (2) 17W T8 lamps	(blank) Clear lens	WH White	RE ballast fixtures only	RE ballast fixtures only	GEB Electronic ballast, ≤10% THD
10636 1' x 4', (2) 32W T8 lamps	ACW White lens	OA Solid oak frame	(blank) No specification required	(blank) No specification required	GEB10IS T8 electronic ballast, ≤10% THD, instant start
10637 1-1/2' x 4', (4) 32W T8 lamps			Non-RE ballast fixtures only	Non-RE ballast fixtures only	GEB10RS T8 electronic ballast, ≤10% THD, rapid start
			17 17W T8 (2' fixtures only)	MVOLT Multi-volt	CSA Meets Canadian standards ³
			32 32W T8 (4' fixtures only)	120 120V	For other options, consult factory.
				277 277V	
				347 347V	

ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	1 X 2	1 X 4	1-1/2 X 4
Length:	25-1/2 (64.8)	49-1/2 (125.7)	49-1/2 (125.7)
Width:	8-1/2 (21.6)	8-1/2 (21.6)	13-7/8 (35.2)

Notes

- 1 Lamps not included.
- 2 Use with non-dimmable switches only.
- 3 CSA standard on RE ballast fixtures.

PRODUCT INFORMATION

LINKABLE
XENON**Intended Use**

For use where accent or task lighting is needed. Ideal for cabinet lighting in kitchens, offices and bookcases.

Construction

Low-profile design with high/low/off power switch. White glass diffuser provides soft, even illumination. Housing is constructed of heavy-gauge aluminum

extrusion with injection-molded end caps. Available in white or bronze finish.

Plug-in: No wiring required; fixture-to-outlet connector included with each fixture.

Direct wire: Top or back-side flush knockouts provided. Pre-installed, poke-home connectors eliminate the need for wire nuts.

13" connector cord with safety lock included with fixture for linking additional fixtures together.

Electrical

Includes 18W, 12V Xenon lamp(s).

Stepdown 12V transformer (120V, 60Hz).

Listings

UL Listed to U.S. and Canadian safety standards.

ORDERING INFORMATION

Example: UCXD 1 120 CSW

Series ^{1,2}	Number of lamps ³	Voltage	Cord set	Finish
UCXD	1 9", (1) 18W 12V Xenon lamp	120 120V stepdown 12V transformer	CSW Standard	(blank) White
	2 12", (2) 18W 12V Xenon lamps			BZ Bronze
	3 18", (3) 18W 12V Xenon lamps			
	4 24", (4) 18W 12V Xenon lamps			

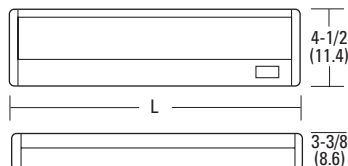
ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS

ORDER SEPARATELY

UCX 2LP M12 Replacement lamps



Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

Length: 9" (23.5) 12" (30.5) 18" (46.4) 24" (61.6)

Notes

- 1 Maximum quantity of cabinet fixtures that can be connected from a single power source cannot exceed 540W from the lamp wattage.
- 2 Not for use with any dimming circuits.
- 3 Includes 18W, 12V Xenon lamp(s).

PRODUCT INFORMATION

LINKABLE
HALOGEN**Intended Use**

For use where accent or task lighting is needed. Ideal for cabinet lighting in kitchens, offices and bookcases.

Construction

Low-profile design with high/low/off power switch. Features a swivel housing to direct illumination where it is

needed. White glass diffuser provides soft, even illumination. Housing is constructed of heavy-gauge aluminum extrusion with injection-molded end caps. Available in white or bronze finish.

Plug-in: No wiring required; fixture-to-outlet connector included with each fixture.

Direct wire: Top or back-side flush knockouts provided. Pre-installed poke-home connectors eliminate the need for wire nuts.

13" connector cord with safety lock included with fixture for linking additional fixtures together.

Electrical

Includes 20W, 120V halogen lamp(s).

Listings

UL Listed to U.S. and Canadian safety standards.

ORDERING INFORMATION

Example: UCHD 1 120 CSW

Series ¹	Number of lamps ²	Voltage	Cord set	Finish
UCHD	1 9", (1) 20W 12V halogen lamp	120 120V	CSW Standard	(blank) White
	2 12", (2) 20W 12V halogen lamps			BZ Bronze
	3 18", (3) 20W 12V halogen lamps			
	4 24", (4) 20W 12V halogen lamps			

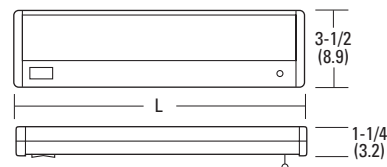
ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS

ORDER SEPARATELY

UCH 2LP M12 Replacement lamps



Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

Length: 8-1/2 (21.6) 12-1/8 (30.8) 17-3/4 (45.1) 23-1/2 (59.7)

Notes

- 1 Maximum quantity of cabinet fixtures that can be connected from a single power source cannot exceed 540W from the lamp wattage.
- 2 Includes 20W, 120V halogen lamp(s).

PRODUCT INFORMATION

Intended Use

For use where accent or task lighting is needed. Ideal for cabinet lighting in kitchens, offices and bookcases.

Construction

Slim-profile design with on/off switch. Rugged powder-coated steel hous-

ing. Acrylic diffuser provides soft, widespread illumination with zip-lock design for easy maintenance and superior retention. Available in white or bronze finish.

Plug-in: No wiring required; fixture-to-outlet connector included with each fixture.

Direct wire: Top or back-side flush knockouts provided. Pre-installed, poke-home connectors eliminate the need for wire nuts.

13" connector cord with safety lock included with fixture for linking additional fixtures together.

Listings

UL Listed to U.S. and Canadian safety standards. ENERGY STAR® qualified.

LINKABLE T5 FLUORESCENT



Example: UC5D 8 120 LP

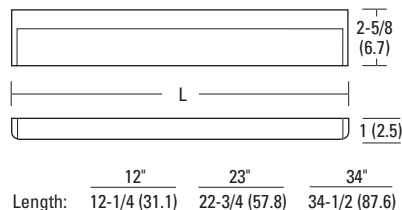
ORDERING INFORMATION

Series ¹	Number of lamps	Voltage ²	Lamped ³	Finish
UCSD	8 12", (1) 8W T5 lamp	120 120V electronic ballasts (standard)	LP Lamp included (standard)	(blank) White
	14 23", (2) 14W T5 lamps			BZ Bronze
	21 34", (3) 21W T5 lamps			

ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- 1 Maximum quantity of cabinet fixtures that can be connected from a single power source cannot exceed 540W from the lamp wattage.
- 2 Use with non-dimmable switches only.
- 3 Includes T5 fluorescent lamp.

PRODUCT INFORMATION

Intended Use

Splice box: Allows for quick and easy direct wiring. Features snap-on cover, pre-installed poke-home wire connectors and mounting hardware.

24" cord connector: Linkable cabinet lights come standard with a 13" connector cord. A 24" connector cord is avail-

able for longer-length connections between fixtures.

Row connector: Row connectors allow continuous connections with minimal (1/8") spacing between fixtures. Side-by-side connections reduce shadow between fixtures for uninterrupted light across countertops or work areas.

Cord cover: 18" white cord cover keeps fixture-to-fixture connector cords and cord-and-plugs hidden.

Self-adhesive strip on upper side of cover adheres to most surfaces. Cord cover can be cut to accommodate shorter distances between fixtures.

LINKABLE ACCESSORIES



ORDERING INFORMATION

ACCESSORIES/REPLACEMENT PARTS

UCD JB M12	Splice box for quick and easy direct wiring
UC ERC R12	1-1/8" row connector for end-to-end connections ¹
UC ERC24 R12	24" connector cord for longer-length connections ¹
UCH WWC R12	18" white cord cover for concealing cord ¹

ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

Notes

- 1 Resale packs must be ordered in increments of 12.

PRODUCT INFORMATION

CYLINDER

**Intended Use**

Provides general illumination in residential and commercial applications. Ideal for use in restrooms, hallways, stairways, utility areas and over hospital beds.

Construction

A sleek, cylinder white acrylic diffuser with accenting brushed nickel end caps and matching brushed

nickel canopy complements a variety of decors. Diffuser provides widespread uniform illumination. End caps allow easy access for cleaning and maintenance. Available in 2', 3' and 4' lengths.

Electrical

Includes (2) linear T5, 3000K fluorescent lamps for energy efficiency, superior color rendering and long life.

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

For use with non-dimmable switches only.

Installation

All mounting hardware included.

Listings

CUL Listed to U.S. and Canadian safety standards and listed as suitable for damp locations. ENERGY STAR® qualified. ADA compliant.

ADA



Example: 11802RET5 BN

ORDERING INFORMATION

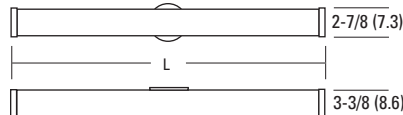
Series ¹	Ballast ²	Finish	Options
11802RET5 2', (2) 14W linear T5 lamps	(blank) 120V residential electronic ballast (standard) For other voltage and ballast, consult factory.	BN Brushed nickel	Consult factory.
11803RET5 3', (2) 21W linear T5 lamps			
11804RET5 4', (2) 28W linear T5 lamps			

ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS

DMICY 24	2' matte white acrylic diffuser
DMICY 36	3' matte white acrylic diffuser
DMICY 48	4' matte white acrylic diffuser



Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

Length: $\frac{2'}{23-1/8 (58.7)}$ $\frac{3'}{35-1/4 (89.5)}$ $\frac{4'}{47 (119.4)}$

Notes

- Includes (2) linear T5 3000K fluorescent lamps.
- Use with non-dimmable switches only.

PRODUCT INFORMATION

WING

**Intended Use**

Provides general illumination in residential and commercial applications. Ideal for use in restrooms, hallways, stairways, utility areas and areas over hospital beds.

Construction

Curved etched-glass diffuser complemented by polished brushed nickel accents and

finials. Diffuser provides uniform illumination. Finials allow easy access for cleaning and maintenance. Available in 2', 3' and 4' lengths.

Electrical

Includes (2) linear T5, 3000K fluorescent lamps for energy efficiency, superior color rendering and long life.

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

For use with non-dimmable switches only.

Installation

All mounting hardware included.

Listings

CUL Listed to U.S. and Canadian safety standards and listed as suitable for damp locations. ENERGY STAR® qualified. ADA compliant.

ADA



Example: 10842RET5 BNP

ORDERING INFORMATION

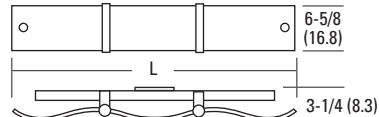
Series ¹	Ballast ²	Finish	Options
10842RET5 2', (2) 14W linear T5 lamps	(blank) 120V residential electronic ballast (standard) For other voltage and ballast, consult factory.	BNP Polished brushed nickel	Consult factory.
10843RET5 3', (2) 21W linear T5 lamps			
10844RET5 4', (2) 28W linear T5 lamps			

ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS

DWGEF	Etched-glass end panel (right or left)
DWGCP	Etched-glass front center panel (3' and 4' fixtures only)



Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

Length: $\frac{2'}{23-1/8 (58.7)}$ $\frac{3'}{35-1/4 (89.5)}$ $\frac{4'}{47 (119.4)}$

Notes

- Includes (2) linear T5 3000K fluorescent lamps.
- Use with non-dimmable switches only.

Intended Use

Ideal for use as general illumination in restrooms, hallways, stairwells, utility areas and over hospital beds.

Construction

UV-stabilized one-piece white acrylic diffuser provides soft, uniform illumination.

superior color rendering and long life (not included).

For use with non-dimmable switches only.

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). ENERGY STAR® qualified.

LITEPUFF®



Example: 11890RE



ORDERING INFORMATION

Series/Ballast^{1,2}

Series ¹	Ballast ²
11890 2', (2) 17W T8 lamps	RE 120V residential electronic ballast (standard)
11891 3', (2) 25W T8 lamps	
11892 4', (2) 32W T8 lamps	

For other voltage and ballast, consult factory.

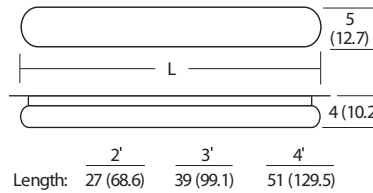
Options

CSA	Meets Canadian standards
NOM	Meets Mexican standards

ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Lamps not included.
- Use with non-dimmable switches only.

PRODUCT INFORMATION

Intended Use

Provides general illumination for residential and commercial applications. Ideal for use in restrooms, hallways, stairways, utility areas and over hospital beds.

2-lamp configurations. Durable milk-white acrylic diffuser provides a wide-spread uniform illumination. Suitable for vertical or horizontal mounting. Available in 2', 3' and 4' lengths.

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other electronics. Also available in other ballast configurations.

Listings

CUL Listed to U.S. and Canadian safety standards and suitable for damp locations on RE ballast fixtures. ENERGY STAR® qualified. For non-RE ballast, UL Listed and CSA Certified (standard). NOM Certified (see Options).

CONTEMPORARY



Construction

Fashionable look in white matches any décor. White end caps available in 1- and

Electrical

Utilizes linear T8 fluorescent lamps for energy efficiency, superior color rendering and long life (not included).

For use with non-dimmable switches only.

Installation

All mounting hardware included.



ORDERING INFORMATION

Example: 11852RE

Series/Ballast^{1,2}

Series ¹	Ballast ²
11852 2', (2) 17W linear T8 lamps	RE 120V residential electronic ballast (standard)
11872 2', (1) 17W linear T8 lamp	
11853 3', (2) 25W linear T8 lamps	
11873 3', (1) 25W linear T8 lamp	
11854 4', (2) 32W linear T8 lamps	
11874 4', (1) 32W linear T8 lamp	

For other voltage and ballast, consult factory.

Voltage

<u>RE ballast fixtures only</u>	
(blank)	No specification required
<u>Non-RE ballast fixtures only</u>	
MVOLT	Multi-volt
120	120V
277	277V
347	347V

For other voltage, consult factory.

Options

GEB	Electronic ballast, ≤20% THD
GEB10IS	T8 electronic ballast, ≤10% THD, instant start
GEB10RS	T8 electronic ballast, ≤10% THD, rapid start
NOM	Meets Mexican standards

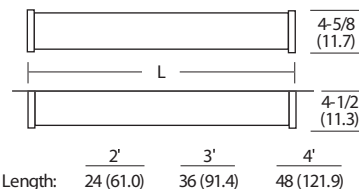
For other options, consult factory.

ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS

DWC24	White acrylic diffuser 2'
DWC36	White acrylic diffuser 3'
DWC48	White acrylic diffuser 4'



Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

Notes

- Lamps not included.
- Use with non-dimmable switches only.

PRODUCT INFORMATION

WIDE BAND

**Intended Use**

Provides general illumination for residential and commercial applications. Ideal for use in restrooms, hallways, stairways, utility areas and over hospital beds.

Construction

Decorative contoured linear design complements a range of décors. Rugged UV-stabilized one-piece white diffuser provides a soft uniform illumination.

2" wide end caps offered in white, white marble, ivory marble, taupe marble and gray marble. Suitable for vertical or horizontal mounting. Available in 2', 3' and 4' lengths. Optional brass or chrome twin-lined inlay available for a custom look.

Electrical

Utilizes linear T8 fluorescent lamps for energy efficiency, superior color rendering and long life (not included).

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other electronics. Also available in other ballast configurations.

RE ballast fixtures use non-dimmable switches only. See options for dimmable ballast.

Installation

All mounting hardware included.

Listings

CUL Listed to U.S. and Canadian safety standards and suitable for damp locations on RE ballast fixtures. ENERGY STAR® qualified. For non-RE ballast, UL Listed and CSA Certified (standard). NOM Certified (see Options).



Example: 11934RE FMW

ORDERING INFORMATION

Series/Ballast ^{1,2}		Finish ³	Voltage	Options
Series¹	Ballast²	WH White	<u>RE ballast fixtures only</u>	GEB Electronic ballast, ≤20% THD
11934 2', (2) 17W linear T8 lamps	RE 120V residential electronic ballast (standard)	FMW White marble	(blank) No specification required	GEB10IS T8 electronic ballast, ≤10% THD, instant start
11935 3', (2) 25W linear T8 lamps		FMI Ivory marble	<u>Non-RE ballast fixtures only</u>	GEB10RS T8 electronic ballast, ≤10% THD, rapid start
11936 4', (2) 32W linear T8 lamps		FMT Taupe marble	MVOLT Multi-volt	NOM Meets Mexican standards
For other voltage and ballast, consult factory.		FGG Gray marble	120 120V 277 277V 347 347V	For other options, consult factory.
			For other voltage, consult factory.	

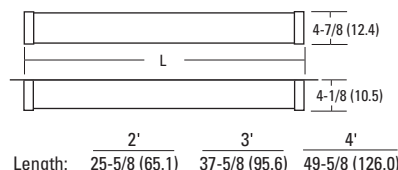
ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS

U3250211 24" / white ends	U3250314 36" / white marble ends
U3250212 24" / ivory marble ends	U3250315 36" / gray marble ends
U3250213 24" / taupe marble ends	U3250411 48" / white ends
U3250214 24" / white marble ends	U3250412 48" / ivory marble ends
U3250215 24" / gray marble ends	U3250413 48" / taupe marble ends
U3250311 36" / white ends	U3250414 48" / white marble ends
U3250312 36" / ivory marble ends	U3250415 48" / gray marble ends
U3250313 36" / taupe marble ends	

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- Lamps not included.
- Use with non-dimmable switches only.
- Optional twin-lined inlays in brass (BI) or Chrome (CI) available on end caps. Order by adding suffix to desired finish. Example: FMW BI.

PRODUCT INFORMATION

NARROW BAND

**Intended Use**

Provides general illumination for residential and commercial applications. Ideal for use in restrooms, hallways, stairways, utility areas and over hospital beds.

Construction

Decorative contoured linear design complements a range of décors. Rugged UV-stabilized one-piece white acrylic diffuser provides soft,

uniform illumination. 1" wide acrylic end caps in white marble or black marble. Suitable for vertical or horizontal mounting. Available in 2', 3' and 4' lengths.

Electrical

Utilizes linear T8 fluorescent lamps for energy efficiency, superior color rendering and long life (not included).

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other electronics. Also available in other ballast configurations.

RE ballast fixtures use non-dimmable switches only. See options for dimmable ballast.

Installation

All mounting hardware included.

Listings

CUL Listed to U.S. and Canadian safety standards and suitable for damp locations on RE ballast fixtures. ENERGY STAR® qualified. For non-RE ballast, UL Listed and CSA Certified (standard). NOM Certified (see Options).



Example: 11928RE WH

ORDERING INFORMATION

Series/Ballast ^{1,2}		Finish	Voltage	Options
Series¹	Ballast²	WH White marble	<u>RE ballast fixtures only</u>	GEB Electronic ballast, ≤20% THD
11928 2', (2) 17W linear T8 lamps	RE 120V residential electronic ballast (standard)	FMB Black marble	(blank) No specification required	GEB10IS T8 electronic ballast, ≤10% THD, instant start
11929 3', (2) 25W linear T8 lamps			<u>Non-RE ballast fixtures only</u>	GEB10RS T8 electronic ballast, ≤10% THD, rapid start
11930 4', (2) 32W linear T8 lamps			MVOLT Multi-volt	NOM Meets Mexican standards
For other voltage and ballast, consult factory.			120 120V 277 277V 347 347V	For other options, consult factory.
			For other voltage, consult factory.	

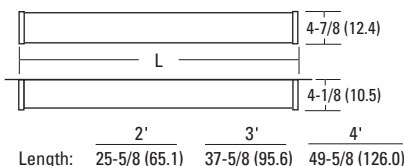
ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS

U3253211 24" / white ends
U3253216 24" / black marble ends
U3253311 36" / white ends
U3253316 36" / black marble ends
U3253411 48" / white ends
U3253416 48" / black marble ends

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- Lamps not included.
- Use with non-dimmable switches only.

PRODUCT INFORMATION

Intended Use

Provides general illumination in residential and commercial applications. Ideal for use in 6restrooms, hallways, stairways, utility areas and over hospital beds.

die-cast aluminum ends. Diffuser provides widespread uniform illumination. Available in 2' and 3' lengths.

Electrical

Includes (2) linear T5, 3000K fluorescent lamps for energy efficiency, superior color rendering and long life.

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

For use with non-dimmable switches only.

Installation

All mounting hardware included.

Listings

CUL Listed to U.S. and Canadian safety standards and listed as suitable for damp locations. ENERGY STAR® qualified. ADA compliant.

RIGBY



Construction

A crown-molded white acrylic diffuser with black-bronze

ADA



ORDERING INFORMATION

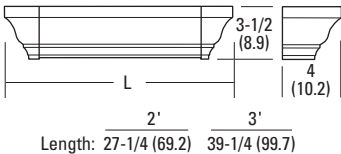
Example: 11648RET5 BZ

Series ¹	Ballast ²	Finish	Options
11647RET5 2', (2) 14W linear T5 lamps 11648RET5 3', (2) 21W linear T5 lamps	(blank) 120V residential electronic ballast (standard) For other voltage and ballast, consult factory.	BZ Black bronze	Consult factory.

ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Includes (2) linear T5 3000K fluorescent lamps.
- 2 Use with non-dimmable switches only.

PRODUCT INFORMATION

Intended Use

Provides general illumination in residential and commercial applications. Ideal for use in restrooms, hallways, stairways, utility areas and over hospital beds.

design provides widespread uniform illumination. Durable die-cast aluminum ends in either a sleek brushed nickel or black-bronze finish complement the diffuser's geometric design. Decorative matching finials provide easy access for cleaning and maintenance. Available in 2', 3' and 4' lengths.

Electrical

Includes (2) linear T5, 3000K fluorescent lamps for energy efficiency, superior color rendering and long life.

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

For use with non-dimmable switches only.

Installation

All mounting hardware included.

Listings

CUL Listed to U.S. and Canadian safety standards and listed as suitable for damp locations. ENERGY STAR® qualified. ADA compliant.

METRO



ADA



ORDERING INFORMATION

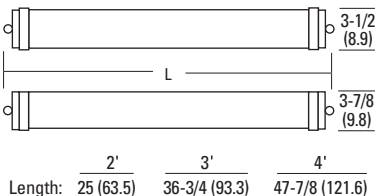
Example: 11727RET5 BN

Series ¹	Ballast ²	Finish	Options
11727RET5 2', (2) 14W linear T5 lamps 11728RET5 3', (2) 21W linear T5 lamps 11729RET5 4', (2) 28W linear T5 lamps	(blank) 120V residential electronic ballast (standard) For other voltage and ballast, consult factory.	BN Brushed nickel BZ Black bronze	Consult factory.

ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Includes (2) linear T5 3000K fluorescent lamps.
- 2 Use with non-dimmable switches only.

PRODUCT INFORMATION

METRO



Etched

Ribbed

Intended Use

Provides accent illumination that visually expands the space and creates a relaxing atmosphere in residential and commercial applications. Ideal for use in hallways, stairways, dining areas, foyers, offices and meeting rooms.

Construction

Contoured ribbed acrylic diffuser provides widespread uniform illumination. Durable

die-cast aluminum ends in either a sleek brushed nickel or black-bronze finish complement the diffuser's unique design. Decorative matching finials provide easy access for cleaning and maintenance.

Electrical

Includes (1) 18W, compact double-twin tube (DTT) 4-pin 2700K fluorescent lamp for energy efficiency, superior color rendering and long life.

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other electronics.

For use with non-dimmable switches only.

Installation

All mounting hardware included.

Listings

CUL Listed to U.S. and Canadian safety standards and suitable for damp locations. ENERGY STAR® qualified. ADA compliant.



Example: 11748 BZ

ORDERING INFORMATION

Series ¹	Ballast ²	Finish	Options
<u>Ribbed diffuser</u> 11748 (1) 18W DTT lamp	(blank) 120V residential electronic ballast (standard) For other voltage and ballast, consult factory.	BZ Bronze BN Brushed nickel	Consult factory.
<u>Etched geometric diffuser</u> 11737 (1) 18W DTT lamp			

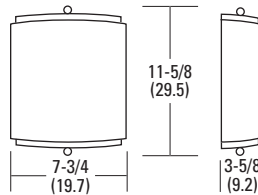
ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS

CF18QT27 4PIN R6	18W compact (DTT) 4-pin 2700K fluorescent lamp ³
BLST SU18W R12	18W ballast GU 24-pin base socket Gq2 4-pin ⁴

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- Includes (1) 18W compact 4-pin (DTT) 2700K fluorescent lamp.
- Use with non-dimmable switches only.
- Resale packs must be ordered in increments of six.
- Resale packs must be ordered in increments of 12.

PRODUCT INFORMATION

RIGBY

**Intended Use**

Provides accent illumination that visually expands the space and creates a relaxing atmosphere in residential and commercial applications. Ideal for use in hallways, stairways, dining areas, foyers, offices and meeting rooms.

Construction

Cast aluminum crown molding with black-bronze finish provides accent uplight.

Electrical

Includes (1) 18W compact double-twin tube (DTT) 4-pin 2700K fluorescent lamp for energy efficiency, superior color rendering and long life.

Residential electronic ballast (120V, 60Hz) ensures no flickering and quiet operation without interfering with other home electronics.

For use with non-dimmable switches only.

Installation

All mounting hardware included.

Listings

CUL Listed to U.S. and Canadian safety standards and listed as suitable for damp locations. ENERGY STAR® qualified. ADA compliant.

ADA



Example: 11646 BZ

ORDERING INFORMATION

Series ¹	Ballast ²	Finish	Options
11646 (1) 18W DTT lamp	(blank) 120V residential electronic ballast (standard) For other voltage and ballast, consult factory.	BZ Black bronze	Consult factory.

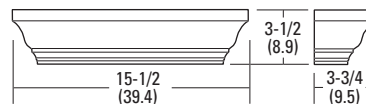
ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS

CF18QT27 4PIN R6	18W compact (DTT) 4-pin 2700K fluorescent lamp ³
BLST SU18W R12	18W ballast GU 24-pin base socket Gq2 4-pin ⁴

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- Includes (1) 18W compact (DTT) 4-pin 2700K fluorescent lamp.
- Use with non-dimmable switches only.
- Resale packs must be ordered in increments of six.
- Resale packs must be ordered in increments of 12.

Intended Use

Provides accent illumination that visually expands the space and creates a relaxing atmosphere in residential and commercial applications. Ideal for use in hallways, stairways, dining areas, foyers, offices and meeting rooms.

Construction

Tri-band: A clean appearance with three concentric matte white powder-coated steel bands in a three-tiered design that provides a flood of indirect light on the wall.

Half-round deco: provides a soft, uniform illumination with a white matte acrylic diffuser. Accented with cast resin casing trim in a metallic finish.

Electrical

Tri-band: Utilizes (2) 13W twin tube (TT) 4-pin fluorescent lamps, for energy efficiency, superior color rendering and long life (not included).

Half-round deco: Requires (2) 13W TT compact fluorescent lamps (not included).

Standard with class P, sound rating "A" instant-on magnetic ballast (120V, 60Hz).

For use with non-dimmable switches only.

Installation

All mounting hardware included.

Listings

UL Listed and CSA Certified (standard) and suitable for damp locations. ADA compliant.

TRI-BAND HALF-ROUND DECO



Tri-band



Half-round Deco

Example: 11972 2 13DTT

ORDERING INFORMATION

Series ¹	Number of lamps ²	Lamp type	Voltage	Options
11972 Tri-band	2	13DTT 13W DTT lamps	(blank) 120V	Consult factory.
11956 Half-round deco			277 277V	
			For other voltage, consult factory.	

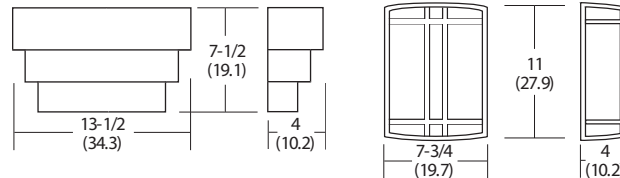
ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS

T6073 Tri-band cover

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Use with non-dimmable switches only.
- 2 Lamps not included.

PRODUCT INFORMATION

Intended Use

Provides accent illumination that visually expands the space and creates a relaxing atmosphere in residential and commercial applications. Ideal for use in hallways, stairways, dining areas, foyers, offices and meeting rooms.

Construction

A distinctive contoured design complements a variety of decors. Durable milk-white acrylic diffuser provides a widespread uniform illumination.

Electrical

Utilizes (1) 13W compact twin tube (TT) 2-pin fluorescent

lamp, for energy efficiency, superior color rendering and long life (not included).

Standard with class P, sound rating "A" instant-on magnetic ballast (120V, 60Hz).

For use with non-dimmable switches only.

Installation

All mounting hardware included.

Listings

UL Listed and CSA Certified (standard) and suitable for damp locations.

LITEPUFF®



Example: 11881

ORDERING INFORMATION

Series ^{1,2}	Voltage	Options
11881 (1) 13W TT lamp	(blank) 120V 277 277V	Consult factory.
For other voltage, consult factory.		

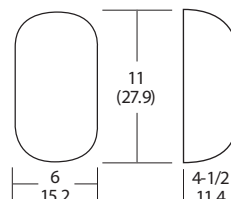
ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

ACCESSORIES/REPLACEMENT PARTS

DSCONPUFF White acrylic diffuser

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Lamp not included.
- 2 Use with non-dimmable switches only.

PRODUCT INFORMATION

QUARTER SPHERE

**Intended Use**

Provides accent illumination that visually expands the space. Ideal for use in restrooms, hallways and stairwells.

Construction

Distinctive decorative wall fixtures in designs to complement a range of decors.

Provides soft, uniform illumination with a matte white acrylic diffuser. Offered with no trim for a clean appearance or accented with a black or white PVC trim. Diffuser removes easily for cleaning and maintenance.

Electrical

Utilizes (2) 13W twin tube (TT) compact fluorescent lamps (not included).

Uses class P, LPF, sound rating "A" instant-on magnetic ballast (120V, 60Hz).

For use with non-dimmable switches only.

Installation

All mounting hardware included.

Listings

UL Listed and CSA Certified (standard) and suitable for damp locations. ADA compliant.

ADA

Example: 11957

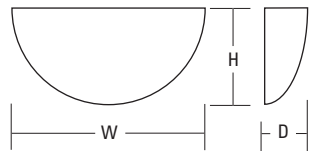
ORDERING INFORMATION

Series ^{1,2}	Finish	Voltage	Options
11957 (2) 13W TT lamps	(blank) No trim	(blank) 120V	Consult factory.
11963 (2) 13W TT lamps	WH White trim	277 277V	
11963 (2) 13W TT lamps	BL Black trim		

ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	Trim	No Trim
Width:	15-3/4 (40.0)	13-7/8 (35.2)
Height:	7-7/8 (20.0)	6-7/8 (29.2)
Depth:	4 (10.2)	3-1/2 (8.9)

Notes

- Lamps not included.
- Use with non-dimmable switches only.

PRODUCT INFORMATION

ROMANESQUE

**Intended Use**

Provides accents illumination that visually expands the space. Ideal for use in restrooms, hallways and stairwells.

Construction

Distinctive decorative wall fixtures in designs to complement a range of decors.

Cast resin, faux alabaster diffuser for a clean-lined appearance in a choice of classic designs.

Electrical

Utilizes (2) 13W twin tube (TT) compact fluorescent lamps (not included).

Standard with class P, LPF, sound rating "A" ballast.

For use with non-dimmable switches only.

Listings

UL Listed to U.S. and Canadian safety standards. ADA compliant.

ADA

Example: 11953

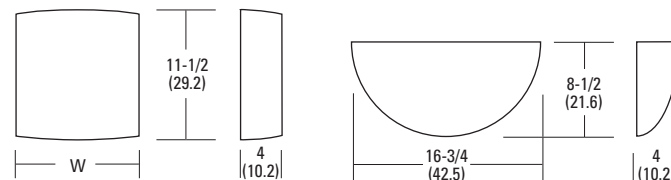
ORDERING INFORMATION

Series ^{1,2}	Voltage	Options
11953 Half round, (2) 13W TT lamps	(blank) 120V	Consult factory.
11954 Quarter sphere, (2) 13W TT lamps	277 277V	
11955 Prong shield, (2) 13W TT lamps	For other voltage, consult factory.	

ADDITIONAL INFORMATION

For additional product information, visit www.lightahome.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	Half Round	Prong Shield
Width:	11-3/8 (28.9)	11-5/8 (29.5)

Quarter Sphere

Notes

- Lamps not included.
- Use with non-dimmable switches only.

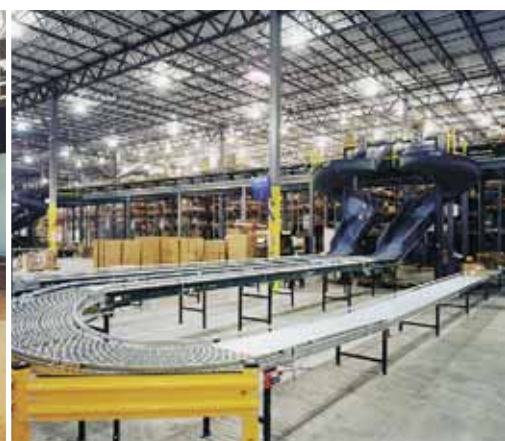
Surface-Mounted Fixtures

NOMENCLATURE SEE PAGE	BALLAST & ELECTRICAL			HANGER	
	EL 89	GLR 88	GMF 88	SQ 89	1B 89
Acorn	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Artisten	<input type="checkbox"/>	<input type="checkbox"/>			
Bobbie	<input type="checkbox"/>	<input type="checkbox"/>			
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Cambridge, 4L	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cirrus, 2L	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
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Designer, 4L, Acrylic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Disk	<input type="checkbox"/>	<input type="checkbox"/>			
Elliptis	<input type="checkbox"/>	<input type="checkbox"/>			
Futra	<input type="checkbox"/>	<input type="checkbox"/>			
Lily	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Litepuff, 4L, 2'	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Low-profile Rounds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Low-profile Squares	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Metro Ribbed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Metro Etched	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MP, 2L	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MP, 2U	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MP, 4L	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Nickel End Wrap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pristine	<input type="checkbox"/>	<input type="checkbox"/>			
Rigby	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Saturn	<input type="checkbox"/>	<input type="checkbox"/>			
Tulip	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Vanity Wall Brackets

NOMENCLATURE SEE PAGE	BALLAST & ELECTRICAL	
	GLR 88	GMF 88
Narrow Band Ends	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Wide Band Ends	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
White/clear Fluted	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Litepuff	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cylinder	<input type="checkbox"/>	<input type="checkbox"/>
Rigby	<input type="checkbox"/>	<input type="checkbox"/>
Wing	<input type="checkbox"/>	<input type="checkbox"/>
Metro	<input type="checkbox"/>	<input type="checkbox"/>
Contemporary	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Notes
 Option available
 (blank) Option not available
 Consult factory



LITHONIA INDOOR HID

Lithonia Lighting offers a wide selection of indoor HID products to address high-mount and low-mount lighting applications. Lithonia industrial lighting withstands dirt, heat, moisture and corrosiveness while providing proper levels of efficient illumination. Lithonia commercial lighting provides a bright, cheerful and relaxed atmosphere that enhances customer and worker comfort. Lithonia recreational lighting delivers glare-free illumination so that playing surfaces and the surrounding environment are adequately illuminated for spectator and player safety.



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PRODUCT INFORMATION

TH PA22

TH PA25

Acrylume®



TH PA22

TH PA25

Intended Use

For high mounting heights that require higher efficiencies, general horizontal/high vertical illumination and premium contrast control. Ideal for light manufacturing areas, warehouses and retail aisles. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Housing: Heavy-duty, die-cast aluminum halves. Ballast and electrical components are heat-sunk and horizontally opposed for cooler operation. Integral splice box mounting flange ensures structural integrity. Electrostatically applied white polyester powder paint.

Optics

UV stabilized, high efficiency, high performance acrylic

reflector yields high vertical footcandles while maintaining low brightness. Optical assembly is fully adjustable and accommodates a range of light distributions. Self-cleaning, ventilated design carries contaminants out top of reflector. Coated lamps provide optimum performance.

PA22 and PA25: 20% uplight

PA22E: Enclosed, 15% uplight, clear tempered lens. Hinged and latched for easy maintenance.

PA22N: 18% uplight.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: Constant wattage autotransformer. MH: 175-450W fixtures shipped within the U.S. require super CWA pulse start ballasts which are 88% efficient and EISA-legislation compliant (must specify SCWA option). CSA, NOM or INTL options required for

probe start shipments outside the U.S. 1000W is constant wattage autotransformer.

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center contact. For use with O-rated, protected metal halide lamps only.

Installation

Installation: Pendant splice box threaded for 3/4" conduit (standard). Pendant splice box – removable cast-aluminum box slides on integral die-cast aluminum housing mounting flange and mounts to 3/4" pendant conduit prior to ballast housing installation. Matching wire access cover accepts RELOC® modular wiring. Complete assembly meets or exceeds UL 50-pound pull test. Other mounting options available.

Optical mounting: Adjustable reflector mounting brackets are progressively die-formed of 18-gauge galvanized steel. For areas where reflectors are subject to impact (gymnasiums, etc.) **To protect reflector from breakage; use full wire guard (FWG) option for areas where reflectors are susceptible to impact.**

Listings

PA22, PA22N: UL Listed -30°C to 55°C ambient operations and damp locations.

PA22E, PA25: UL Listed -30°C to 40°C ambient operations and damp locations.

All are UL Listed to U.S. and Canadian safety standards. NOM Certified.



Pulse Start
HID Ballast/Lamp Systems

**ORDERING INFORMATION**

For shortest lead times, configure products using **bolded options**.

Example: TH 400MP PA22 TB SCWA

Series	Lamp type ⁸	Reflector ⁸	Voltage	Ballast	Options	
TH	<u>Protected metal halide</u>	450MP	PA22	TB⁷	<u>Pulse start metal halide</u>	For options and accessories, see pages 433-439.
	175MP	875MP	PA22N	120	For shipments to U.S. territories, SCWA must be specified to comply with EISA.	
	200MP	1000MP	PA22L ¹	208 ^{3,4}	SCWA Super constant wattage autotransformer	
	250MP	<u>High pressure sodium</u>	PA22E ²	240 ^{3,4,5}	RLB Regulated lag ballast (175-400W)	
	320MP	250S	PA25	277	<u>Non EISA ballast</u>	
	350MP	400S		347	(blank) Standard magnetic ballast ^{6,9}	
	400MP	1000S		480 ^{3,4}	SCWI Isolated SCWA (400W) ^{6,10}	
				CWI Constant wattage isolated ^{6,9}		
				MRB Magnetic regulator ballast		

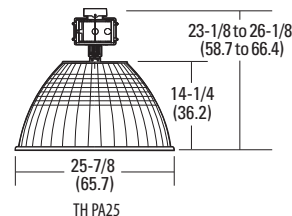
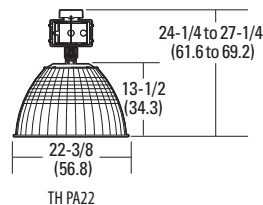
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS

REFLECTOR	LAMP TYPE
PA22, PA22N, PA22E, PA22L	175MP, 200MP, 250MP, 320MP, 350MP, 400MP, 450MP, 250S, 400S
PA25	875MP, 1000MP, 1000S

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- Lensed bottom, open top. Periodic cleaning maintains performance. Does not meet UL lamp rupture containment.
- Enclosed bottom, open top. Meets UL lamp rupture containment standards. Periodic cleaning maintains performance.
- Requires CWI or RLB option in Canada for metal halide. Available in 175-400W.
- Requires CWI or MRB option in Canada for high pressure sodium. Available 70-400W.
- 220V and 240V, 50Hz and 60Hz ballasts available for use with U.S. protected metal halide lamps.
- Available for shipments outside of U.S. only.
- Optional multi-tap ballast (120V, 208V, 247V, 277V; 120V, 277V, 347V in Canada.)
- Specify lamp type and reflector; see Configurations table.
- 175-450W metal halide only.
- 400W metal halide only.

Intended Use

For high mounting heights that require high efficiencies, horizontal illumination and premium glare control. Ideal for manufacturing areas and aisles.

Construction

Housing: Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sunk to ballast housing for cool operation.

Optics

Premium-spun aluminum, anodized reflector combines high efficiency with extended shielding angles for high performance. Exclusive fluted design minimizes arc tube voltage rise. Optical system is adjustable and accommodates the full range of industrial light distributions.

Self-cleaning, ventilated design carries optical contaminants out through open top of reflector.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: Constant wattage autotransformer. MH: 175-450W fixtures shipped within the U.S. require super CWA pulse start ballasts which are 88% efficient and EISA-legislation compliant (must specify SCWA option). CSA, NOM or INTL options required for probe start shipments outside the U.S. 1000W is constant wattage autotransformer.

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center contact. For use with 0-rated,

protected metal halide lamps only.

Installation

Pendant splice box threaded for 3/4" conduit (standard). Pendant splice box, removable cast-aluminum box slides on integral die-cast aluminum housing mounting flange and mounts to 3/4" pendant conduit prior to ballast housing installation. Matching wire access cover accepts RELOC® modular wiring. Complete assembly meets or exceeds UL50-pound pull test. Other mounting options available.

Optical mounting: Adjustable reflector mounting brackets are progressively die-formed of 18-gauge galvanized steel.

Listings

A17: UL Listed -30°C to 55°C ambient operations and damp locations. High ambient (HA) option of 65°C available.

A22: UL Listed -30°C to 55°C ambient operations and damp locations. High ambient (HA) option of 65°C available. 875W and 1000W pulse start -30°C to 40°C.

All are UL Listed to U.S. and Canadian safety standards. NOM Certified.

TH A17
TH A22
Hi-Tek®



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TH 400MP A17 TB SCWA

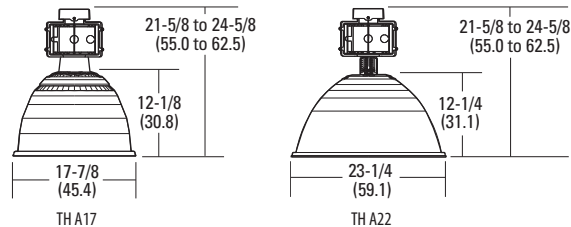
Series	Lamp type ⁶	Reflector ⁶	Voltage	Ballast	Options	
TH	Protected metal halide	High pressure sodium	A17	TB⁴	Pulse start metal halide	For options and accessories, see pages 433-439.
	175MP	70S	A22	120	For shipments to U.S. territories, SCWA must be specified to comply with EISA.	
	200MP	100S		208 ^{1,2}	SCWA Super constant wattage autotransformer	
	250MP	150S		240 ^{1,2,3}	RLB Regulates lag ballast	
	320MP	200S		277	Non-EISA ballast	
	350MP	250S		347	(blank) Standard magnetic ballast ^{5,7}	
	400MP	400S		480 ^{1,2}	SCWI Isolated SCWA ^{5,8}	
	450MP	1000S			CWI Constant wattage isolated ^{5,7}	
	875MP				MRB Magnetic regulator ballast	
	1000MP					

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS	
REFLECTOR	LAMP TYPE
A17	175MP, 200MP, 250MP, 320MP, 350MP, 400MP, 450MP, 70S, 100S, 150S, 200S, 250S, 400S
A22	875MP, 1000MP, 100S, 150S, 200S, 250S, 400S, 1000S

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Requires CWI or RLB option in Canada for metal halide. Available in 175-400W.
- 2 Requires CWI or MRB option in Canada for metal halide. Available in 70-400W.
- 3 220V and 240V, 50Hz and 60Hz ballasts available for use with U.S. protected metal halide lamps.
- 4 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada.)
- 5 Available for shipments outside of U.S. only.
- 6 Specify lamp type and reflector; see Configurations table.
- 7 175-450W metal halide only.
- 8 400W metal halide only.

PRODUCT INFORMATION

TH A16 TH A16GL THD A16

Hi-Tek®



TH A16 / THD A16

TH A16GL

Intended Use

Use in high mounting heights that require high efficiencies and horizontal illumination. Ideal for general manufacturing areas, storage areas and warehouse aisles where color is critical.

THD distributor packs consist of ballast housing, reflector, door lens and lamp together in one carton.

Construction

Housing: Heavy-duty, die-cast aluminum halves. Ballast and electrical components are heat-sinked and horizontally opposed for cooler operation. Integral splice box mounting flange ensures structural integrity. Electrostatically applied white polyester powder paint.

Optics

High-efficiency, anodized, spun aluminum reflector with exclusive fluted design that minimizes arc-tube

voltage rise for optimal lamp life. Open A16 opticals are self cleaning with a ventilated design that carries contaminants out through top of reflector. Lensed A16GL optical features a gasketed clear tempered glass lens with hinge and stainless steel latches for easy tool-less access. Optical system is adjustable and accommodates the full range of light distributions.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: Constant wattage autotransformer. MH: 250-450W fixtures shipped within the U.S. require super CWA pulse start ballasts which are 88% efficient and EISA-legislation compliant (must specify SCWA option). CSA, NOM or INTL options required for probe start shipments outside the U.S.

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center contact. For use with O-rated, protected metal halide lamps only.

Installation

Installation: Pendant splice box threaded for 3/4" conduit (standard). Pendant splice box, removable cast-aluminum box slides on integral die-cast aluminum housing mounting flange and mounts to 3/4" pendant conduit prior to ballast housing installation. Matching wire access cover accepts RELOC® modular wiring. Complete assembly meets or exceeds UL 50-pound pull test. Other mounting options available.

Optical mounting: Adjustable reflector mounting brackets are progressively

die-formed of 18-gauge galvanized steel.

Listings

THD: UL Listed -30°C to 55°C ambient operations and damp locations. TH A16 and TH A16GL: High ambient (HA option) of 65°C available. UL Listed to U.S. and Canadian safety standards. NOM Certified.



Pulse Start
HID Ballast/Lamp Systems

**ORDERING INFORMATION**

For shortest lead times, configure products using **bolded options**.

Example: TH 400MP A16 TB SCWA

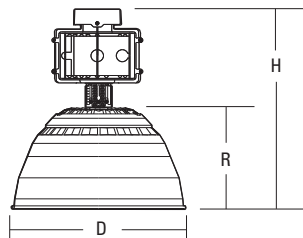
Series	Lamp type	Reflector	Voltage	Ballast	Options
TH	Protected metal halide	A16	TB⁶	Pulse start metal halide	For options and accessories, see pages 433-439.
THD ¹	High pressure sodium	A16GL²	120	For shipments to U.S. territories, SCWA must be specified to comply with EISA.	
	200MP		208 ^{3,4}	SCWA Super constant wattage autotransformer	
	250MP		240 ^{3,4,5}	RLB Regulated lag ballast	
	320MP		277	Non-EISA ballast	
	350MP		347	(blank) Standard magnetic ballast ^{7,8}	
	400MP		480 ^{3,4}	SCWI Isolated SCWA ^{7,9}	
				CWI Constant wattage isolated ^{7,8}	
				MRB Magnetic regulator ballast	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

THD¹

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	TH A16-THD A16	TH A16GL
Diameter:	16-3/8 (41.6)	17-3/4 (45.0)
Reflector height:	9-5/8 (24.4)	10-1/4 (26.0)
Height:	19 to 22 (48.2 to 55.9)	19-5/8 to 22-5/8 (49.8 to 57.5)

Notes

- THD consists of TH housing and A16 reflector shipped in one carton. Available with 400MP SCWA tapped ballast only.
- Lens cannot be field installed on open A16.
- Requires CWI or RLB option in Canada for metal halide. Available in 175-400W.
- Requires CWI or MRB option in Canada for high pressure sodium. Available 70-400W.
- 220V and 240V 50Hz and 60Hz ballast available for use with U.S. metal halide lamps.
- Optional multi-tap ballast (120, 208, 240 277V; 120V, 277V, 347V in Canada.)
- Available for shipments outside of U.S. only.
- 175-400W metal halide only.
- 400W metal halide only.

Intended Use

Use in high mounting heights that require high efficiencies, horizontal illumination and high vertical illumination. Ideal for manufacturing and warehouse aisles where color is critical.

Construction

Housing: Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sunk to ballast housing for cooler operation. Integral splice box mounting flange ensures structural integrity.

Optics

Self-cleaning ventilated design carries contaminants through the top of the reflector.

A14: One piece hydroformed, anodized aluminum reflector provides rectangular distribution for maximum luminaire spacing and vertical illumination.

A15: High-efficiency, anodized, spun aluminum reflector features exclusive contoured design.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: Constant wattage autotransformer. MH: 175-450W fixtures shipped within the U.S. require super CWA pulse start ballasts which are 88% efficient and EISA-legislation compliant (must specify SCWA option). CSA, NOM or INTL options required for probe start shipments outside the U.S.

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center contact.

Installation

Pendant splice box: Removable cast-aluminum box slides on integral die-cast aluminum housing mounting flange and mounts to 3/4" pendant conduit prior to ballast housing installation. Matching wire access cover accepts RELOC® modular wiring. Complete assembly meets or exceeds UL 50-pound pull test.

Optic mounting adjustable reflector mounting brackets are progressively die-formed of 18-gauge galvanized steel.

Listings

UL Listed -30°C to 55°C ambient operations and damp locations. High ambient (HA option) of 65°C available. (HA not available on THD A15). UL Listed to U.S. and Canadian safety standards. NOM Certified.

TH A14
TH A15
THD A15
Hi-Tek®



TH A14



TH A15 / THD A15



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TH 400MP A15 TB SCWA

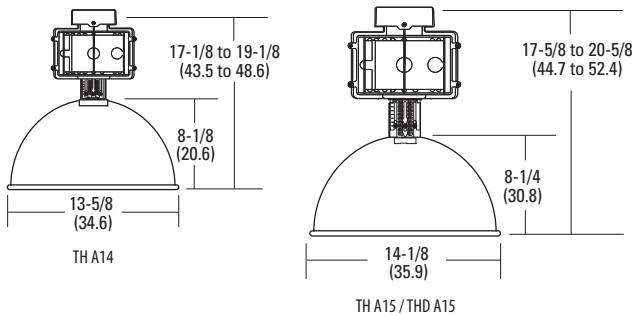
Series	Lamp type	Reflector	Voltage	Ballast	Options
TH	Protected metal halide	High pressure sodium	A14	TB⁵	Pulse start metal halide
THD¹	175MP	70S	A15	120	For shipments to U.S. territories, SCWA must be specified to comply with EISA.
	200MP	100S		208 ^{2,3}	SCWA Super constant wattage autotransformer
	250MP	150S		240 ^{2,3,4}	RLB Regulated lag ballast
	320MP	200S		277	Non-EISA ballast
	350MP	250S		347	(blank) Standard magnetic ballast ^{6,7}
	400MP	400S		480 ^{2,3}	CWI Constant wattage isolated ^{6,7}
	450MP				MRB Magnetic regulator ballast
					SCWI Isolated SCWA ^{6,8}

For options and accessories, see pages 433-439.

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- THD consists of TH housing and A15 reflector shipped in a carton. Available with 400MP tapped ballast only. SCWA only.
- Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
- Requires CSI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
- 220V and 240V 50Hz and 60Hz ballasts available for use with U.S. protected metal halide and high pressure sodium lamps.
- Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
- Available for shipments outside of U.S. only.
- 175-450W metal halide only.
- 400W metal halide only.

PRODUCT INFORMATION

HID HIGH BAY HID WORK LIGHT



CHD

CTL

Intended Use
CHD: Open HID high bay fixture with anodized aluminum high bay reflector. Use in areas that require high efficiencies and horizontal illumination with mounting heights of 20 feet and higher. Ideal for use in light manufacturing areas, storage areas and ware-house aisles.

CTL: HID worklight with steel safety cage for use as a temporary light source. Ideal for use in new construction and during renovation of interior spaces. Compatible with existing optical assemblies for CXD and CHD fixtures.

Construction
CHD: Durable die-cast aluminum housing in a compact design with smooth contours and electro-statically applied

white polyester powder paint. Ballast and electrical components are fully contained and heat-sunked within the housing.

Steel hook with spring steel latch on removable pendant splice box is standard. Convenient side knockout entries in splice box allow for easy wiring. Hook is easily removed for conduit pendant mounting.

CTL: Safety cage protects the lamp while allowing maximum light output in the space.

Durable die-cast aluminum housing in a compact design with smooth contours and electro-statically applied white polyester powder paint. Ballast and electrical

components are fully contained and heat-sunked within the housing.

Steel hook with spring steel latch on removable pendant splice box is standard. Convenient side knockout entries in splice box allow for easy wiring. Hook is easily removed for conduit pendant mounting.

Optics
CHD: Anodized spun aluminum 15" reflectors feature an exclusive contour design for superior uniformity and high efficiency. Self-cleaning top with ventilated design carries contaminants out the top of reflector.

CTL: Lamp is 400W mogul base, ED37 or similar, type "O" protected metal halide.

Electrical
Ballast: Pulse start, 100% factory-tested high power factor. Meets and exceeds the minimum energy efficiency required by the Energy Independence and Security Act of 2007 (EISA). Must specify PPSL.

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center contact. For use with O-rated, protected metal halide lamps only.

Listings
UL Listed to U.S. and Canadian standards for 30°C to 50°C ambient operations and damp locations.



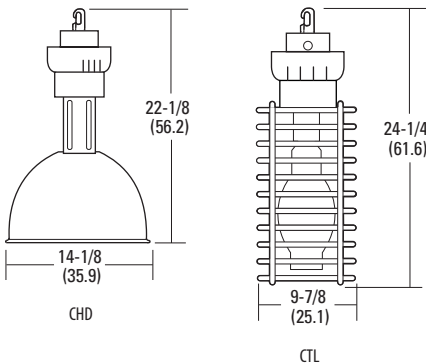
ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION ¹	DIMENSIONS (L x W x D, INCHES)	FIXTURE WEIGHT (LBS.)	PALLET QUANTITY
CHD400PPSL	Ballast housing containing 400W MH pulse start ballast, protected exclusionary PINK socket, mounting legs, 400W MH protected pulse start lamp, reflector legs, 15" reflector and hook with pendant splice box.	14-3/4" x 14-3/4" x 15-3/4"	21.32	18
CHD400PL CSA	Ballast housing containing 400W MH probe start ballast, protected exclusionary PINK socket, mounting legs, 400W MH protected probe start lamp, reflector legs, 15" reflector and hook with pendant splice box.	14-3/4" x 14-3/4" x 15-3/4"	21.32	18
CTL 400PPSL	Ballast housing containing 400W MH pulse start ballast, protected exclusionary PINK socket, mounting legs, 400W M protected pulse start lamp, outer cage and hook with pendant splice box.	24-1/4" x 9-7/8" x 8-1/4"	21.2	32

COMPONENT PARTS	DESCRIPTION ¹
CHCX400PPS HSG	Housing with 400W protected socket, pendant splice box, steel hook and reflector legs. Works with either CHD or CXD optical.
A15	15 inch spun aluminum reflector.

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

¹ Canadian products ship with standard probe start ballast.

Intended Use

For high-mounting heights that require high efficiencies, horizontal illumination, premium glare control and total enclosure. Ideal for heavy manufacturing areas, gymnasiums and wet location applications (Must be ordered with WL option).

Construction

Housing: Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components are horizontally opposed and heat-sunk to ballast housing for cool operation.

Optics

One-piece, totally enclosed-and-gasketed spun aluminum, anodized reflector combines high efficiency with extended shielding

angle for high-performance optical control. Exclusive fluting design minimizes arc tube voltage rise. Gasketed, clear, tempered-glass lens inhibits the entrance of ambient contaminants. Hinge and lens retainer latches for tool-less access.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: Constant wattage autotransformer. MH: 175-400W fixtures shipped within the U.S. require super CWA pulse start ballasts which are 88% efficient and EISA-legislation compliant (must specify SCWA option). CSA, NOM or INTL options required for probe start shipments outside the U.S. 1000W is constant wattage autotransformer.

Socket: Vertically oriented mogul base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 5KV pulse rated for U.S. lamps.

Installation

Pendant splice box-removable cast-aluminum box slides on integral die-cast aluminum housing mounting flange and mounts to 3/4" pendant conduit prior to ballast housing installation. Matching wire access cover accepts RELOC® modular wiring. Complete assembly meets or exceeds UL 50-pound pull test.

Optical mounting: four 8-32 corrosion-resistant, tri-lobular, thread-rolling screws are arranged concentrically around the lamp

socket. Optic is sealed at the point of attachments with a one-piece gasket of FDA-approved material. A 16-gauge galvanized steel support ring with matching keyhole slots is pre-installed for vibration-resistant mounting.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 55°C (high ambient HA option for 65°C). 750W, 875W and 1000W pulse-start -30°C to 40°C.

TE E17
TE E22
Hi-Tek®



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TE 400M E17 M TB SCWA

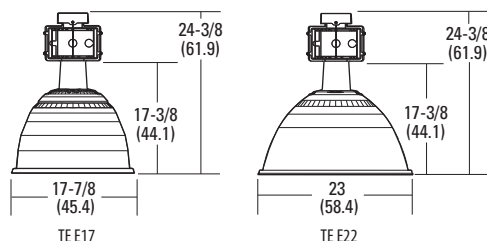
Series	Lamp type ⁶	Reflector ⁶	Distribution ⁶	Voltage
TE	Metal halide	E17	N Narrow	TB⁴
	175M	750M	C Concentrated	120
	200M	875M	M Medium	208 ^{1,2}
	250M	1000M	S Spread	240 ^{1,2,3}
	320M		W Wide	277
	350M			347
				480 ^{1,2}
Ballast		Options		
Pulse start metal halide		For options and accessories, see pages 433-439.		
For shipments to U.S. territories, SCWA must be specified to comply with EISA.				
SCWA	Super constant wattage autotransformer			
RLB	Regulated lag ballast			
Non-EISA compliant				
(blank)	Standard magnetic ballast ^{5,7}			
CWI	Constant wattage isolated ^{5,7}			
SCWI	Isolated SCWA ^{5,8}			
MRB	Magnetic regulator ballast			

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
REFLECTOR	LAMP TYPE	DISTRIBUTION
E17	70S, 100S, 150S, 200S, 175M, 200M, 250M	C, M, S, W
E17	320M, 350M, 400M, 400S	M, S, W
E22	350M, 400M, 750M, 875M, 400S	N, C
E22	1000M	C, M, S

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
- Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
- 220V and 240V 50Hz and 60Hz ballasts available for use with U.S., protected metal halide and high pressure sodium lamps.
- Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
- Available for shipments outside of U.S. only.
- Specify lamp type and reflector; see Configurations table.
- 175-400W metal halide only.
- 400W metal halide only.

PRODUCT INFORMATION

TPG PG16A
TPG PG21A
TPG PG16
TPG PG21

DuraBay®



Intended Use
For high mounting heights that require high efficiencies, horizontal and vertical illumination, and premium contrast control. Optimum performance for high ambient temperatures and dirty environments. Ideal for heavy manufacturing areas, warehouses and retail aisles.

Construction
Housing: Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sunk to ballast housing for cooler operation.

Optics
PG16 and PG21: High-efficiency, high-performance, heat-resistant borosilicate glass reflector mounted within heavy-gauge rigid wire form rings and rods fitted to top and bottom of reflector. Yields high vertical footcandles with low brightness and excellent contrast control. Self-cleaning, ventilated design carries optical contaminants out through top of reflector.

PG16A and TPG21A: Glass reflector with aluminum shroud to protect glass prisms from oily dirt accumulation, emphasizing downward efficiency.

Electrical
Ballast: All ballasts are 100% factory tested. HPS: Constant wattage autotransformer. MH: 175-450W fixtures shipped within the U.S. require super CWA pulse start ballasts which are 88% efficient and EISA-legislation compliant (must specify SCWA option). CSA, NOM or INTL options required for probe start shipments outside the U.S. 1000W is constant wattage autotransformer.

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center contact. For use with O-rated,

protected metal halide lamps only.

Installation
Installation: Cast-aluminum pendant splice box threaded for 3/4" conduit (standard). Other mounting options available.

Listings
UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 55°C (high ambient HA option for 65°C). 875W and 1000W pulse start -30°C to 40°C.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: TPG 400MP PG16 M TB SCWA

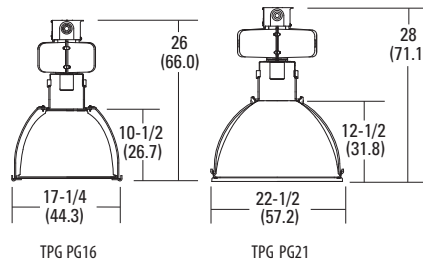
Series	Lamp type ⁶	Reflector ⁶	Distribution ⁶	Voltage	
TPG	Protected metal halide	875MP	PG16 PG21 PG16A PG21A	N Narrow C Concentrating M Medium S Spread W Widespread N21 Narrow C21 Concentrating M21 Medium (1000S only)	TB ³
	175MP	1000MP			120
	200MP	High pressure sodium			208 ^{1,2}
	250MP	150S			240 ^{1,2}
	320MP	200S			277
	350MP	250S			347⁵
	400MP	400S			480 ^{1,2}
	450MP	1000S			TB ⁶

Ballast	Options
<p>Pulse start metal halide</p> <p>For shipments to U.S. territories, SCWA must be specified to comply with EISA.</p> <p>SCWA Super constant wattage autotransformer</p> <p>RLB Regulated lag ballast</p>	<p>For options and accessories, see pages 433-439.</p>

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

REFLECTOR	LAMP TYPE	DISTRIBUTION
PG16	175MP, 200MP, 250MP, 320MP, 350MP, 400MP, 450MP, 150S	N, C, M, S, W
PG16	200S, 250S, 400S	C, M, S, W
PG16A	150S	N, C, M, S, W
PG16A	175MP, 200MP, 250MP, 320MP, 350MP, 400MP, 450MP, 200S, 250S, 400S	C, M, S, W
PG21	200MP, 350MP, 400MP, 450MP	M21
PG21	875MP, 1000MP, 400S	C21
PG21	1000S	N21
PG21A	350MP, 400MP, 450MP	N21
PG21A	875MP, 1000MP, 400S	C21
PG21A	1000S	M21

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
- Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-400W only, 200V and 240V, 50Hz and 60Hz ballast available for use with U.S. metal halide and high pressure sodium lamps.
- Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
- Optional SCWA five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400W, 1000W metal halide and high pressure sodium (CWA only).
- Available for shipments outside of U.S. only.
- Specify lamp type, reflector and distribution; see Configurations table.
- 175-450W metal halide only.
- 400W metal halide only.

TPGE PG16GLE TPGE PG21GLE TPGE PG16AGLE TPGE PG21AGLE

DuraBay®



Intended Use
For high mounting heights that require high efficiencies, horizontal illumination and premium contrast control. Optimum performance for high ambient temperatures and harsh environments. Ideal for heavy manufacturing areas, warehouses, retail aisles and gymnasiums.

Construction
Housing: Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sunk to ballast housing.

Optics
PGE16GLE and PGE21GLE: Self-cleaning, ventilated

design carries optical contaminants out through top of reflector. High-efficiency, high-performance, heat-resistant borosilicate glass reflector mounted within heavy-gauge rigid wire form rings and rods fitted to top and bottom of reflector. Yields high vertical footcandles with low brightness and excellent contrast control.

PGE16AGLE and PGE21AGLE: High-efficiency, high-performance, heat-resistant borosilicate glass reflector with aluminum shroud to protect glass prisms from oily dirt accumulation, emphasizing downward efficiency.

Electrical
Ballast: All ballasts are 100% factory tested. HPS: Constant wattage autotransformer. MH: 175-450W fixtures shipped within the U.S. require super CWA pulse start ballasts which are 88% efficient and EISA-legislation compliant (must specify SCWA option). CSA, NOM or INTL options required for probe start shipments outside the U.S. 1000W is constant wattage autotransformer.

Socket: Glazed porcelain, vertically oriented, mogul base socket with copper alloy, nickel-plated screw shell and center contact.

Installation
Installation: Cast-aluminum pendant splice box threaded for 3/4" conduit (standard). Other mounting options available.

Listings
UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 55°C (high ambient HA option for 65°C). 750W, 875W and 1000W pulse start -30°C to 40°C.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: TPGE 400M PG16GLE M TB SCWA

Series	Lamp type ⁶	Reflector ⁶	Distribution ⁶	Voltage		
TPGE	Metal halide	PG16GLE PG21GLE PG16AGLE PG21AGLE	N Narrow C Concentrating M Medium S Spread W Widespread N21 Narrow C21 Concentrating	TB ³ 120 208 ^{1,2} 240 ^{1,2} 277 347 480 TB ⁴		
	175M				750M	400S
	250M				875M	1000S
	320M				1000M	
	350M				High pressure sodium	
	400M				150S	
	450M				200S	
	250S					

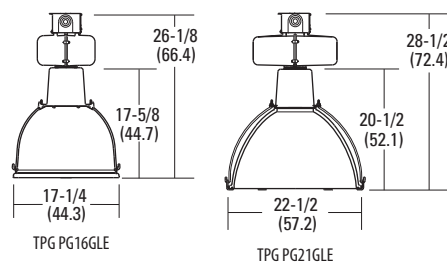
Ballast	Options
<p><u>Pulse start metal halide</u></p> <p>For shipments to U.S. territories, SCWA must be specified to comply with EISA.</p> <p>SCWA Super constant wattage autotransformer</p> <p>RLB Regulated lag ballast</p>	<p>For options and accessories, see pages 433-439.</p>

Non-EISA ballast
(blank) Standard magnetic ballast ^{5,7}
CWI Constant wattage isolated ^{5,7}
MRB Magnetic regulator ballast
SCWI Isolated SCWA ^{5,8}

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

REFLECTOR	CONFIGURATIONS	
	LAMP TYPE	DISTRIBUTION
PG16GLE, PG16AGLE	150S, 175M, 250M, 320M, 350M, 400M, 450M	N, C, M, S, W
PG16GLE, PG16AGLE	200S, 250S, 400S	C, M, S, W
PG21GLE, PG21AGLE	350M, 400M, 450M, 750M, 875M	N21
PG21GLE, PG21AGLE	1000M, 400S, 1000S	C21

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
- Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-400W only, 200V and 240V, 50Hz and 60Hz ballast available for use with U.S. metal halide and high pressure sodium lamps.
- Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
- Optional SCWA five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400W, 1000W metal halide and high pressure sodium (CWA only).
- Available for shipments outside of U.S. only.
- Specify lamp type, reflector and distribution; see Configurations table.
- 175-450W metal halide only.
- 400W metal halide only.

PRODUCT INFORMATION

SH PA22

SH PA25

Acrylume®



SH PA22

SH PA25

Intended Use

For high mounting heights that require higher efficiencies, high horizontal and vertical illumination, and premium contrast control. Ideal for light manufacturing areas, warehouses and retail aisles. Steel ballast housings should be used in areas with minimal airborne contaminants. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Housing: Steel housing with white polyester powder coat

finish. All electrical components are positioned to assure unit will hang straight. Housing is ventilated for optimal thermal performance.

Optics

UV-stabilized, high-efficiency, high-performance acrylic refractor yields high horizontal footcandles while maintaining low brightness. Optical assembly is fully adjustable, accommodates a range of light distributions while providing approximately 15-20% up-light. Self-cleaning, ventilated design carries optical contaminants out through top of refractor. Coated lamps provide optimum performance.

Electrical

Ballast: Pulse start: 100% factory tested high power factor. Meets and exceeds the minimum energy efficiency required by the Energy Independence and Security Act of 2007 (EISA).

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center contact. For use with O-rated, protected metal halide lamps only.

Installation

Installation: One-piece galvanized hook and spring steel latch with cord and plug (SC3P) standard. Pendant

splice box with top entry for 3/4" conduit also available with other mounting options. **To protect reflector from breakage; use full wire guard (FWG) option in areas where reflectors are susceptible to impact.**

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 40°C.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

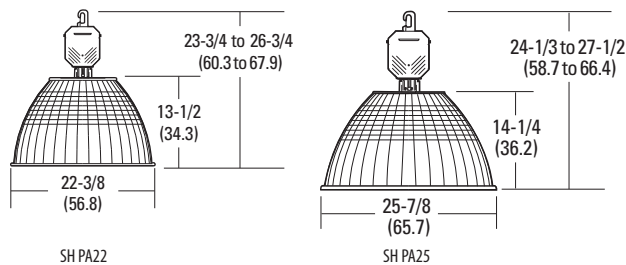
Example: SH 400MP PA22 TVOLT HEB

Series	Lamp type	Reflector	Voltage	Ballast	Options
SH	<u>Protected metal halide</u>	PA22	TVOLT¹	<u>Pulse start metal halide</u>	For options and accessories, see pages 433-439.
	320MP	PA22N	120	HEB HID electronic ballast	
	350MP	PA22L	208		
	400MP	PA25	240		
			277		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

¹ Tri-volt electronic ballast capable of operating on any line voltage between 120V and 277V at 50Hz or 60Hz. Operates 320, 350 and 400W pulse start lamp only.

Intended Use

For high mounting heights that require higher efficiencies, high horizontal and vertical illumination and premium contrast control. Ideal for light manufacturing areas, warehouse and retail aisles. Steel ballast housings should be used in areas with minimal airborne contaminants.

Construction

Housing: Steel housing with white polyester powder coat finish. All electrical components are positioned to assure unit will hang straight. Housing is ventilated for optimal thermal performance.

Optics

Optics: Premium spun aluminum anodized reflector combines high efficiency with extended lamp shielding and glare control. Exclusive fluted design that minimizes color shift. Self-cleaning ventilated design carries contaminants out of the top of the reflector. Optical system is adjustable and accommodates the full range of light distributions.

Electrical

Ballast: Pulse start, 100% factory tested high power factor. Meets and exceeds the minimum energy efficiency required by the Energy Independence and Security Act of 2007 (EISA).

Ballast will operate pulse start lamps only from 120V – 277V. 50/60Hz.

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center contact. For use with 0-rated protected metal halide lamps only.

Installation

Installation: One-piece galvanized hook and spring steel latch with cord and plug (SC3P) standard. Pendant splice box with top entry for 3/4" conduit also available with other mounting options.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 40°C

SH A17
SH A22
Hi-Tek®



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: SH 400MP A17 277 TVOLT HEB

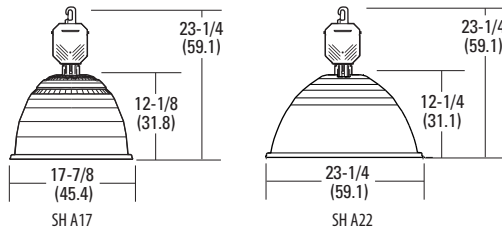
Series	Wattage	Optical	Voltage	Ballast	Options
SH ¹	<u>Protected metal halide</u>	A17	TVOLT¹	<u>Pulse start metal halide</u>	For options and accessories, see pages 433-439.
	320MP	A22	120	HEB HID electronic ballast	
	350MP		208		
	400MP		240		
			277		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ACCESSORIES	
SCK	60" safety chain kit
WGA22	Wireguard for use with A22 reflector
WGA17	Wireguard for use with A17 reflector

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

¹ Tri-volt electronic ballast capable of operating on any line voltage between 120V and 277V at 50Hz or 60Hz. Operates 320, 350 and 400W pulse start lamp only.

PRODUCT INFORMATION

SH A16 SH A16GL

Hi-Tek®

**Intended Use**

Use in high mounting heights that require high efficiencies, horizontal illumination and premium contrast control. Ideal for light manufacturing areas, warehouses and retail aisles. Steel ballast housings should be used in areas with minimal airborne contaminants.

Construction

Housing: Rugged octagonal steel housing provides structural strength and pleasing aesthetics. Center-mounted ballast is heat-sinked and all electrical components are positioned within the vented housing for cooler operations. White polyester powder coat finish.

Optics

High-efficiency, anodized, spun aluminum reflector with exclusive fluted design that minimizes arc-tube voltage rise for optimal lamp life. Open A16 optical is self-cleaning with a ventilated design that carries contaminants out through top of reflector. Lensed A16GL optical features a gasketed clear tempered glass lens with hinge and stainless steel latches for easy tool-less access.

Electrical

Ballast: Pulse start, 100% factory tested high power factor. Meets and exceeds the minimum energy efficiency required by the Energy Independence and Security Act

of 2007 (EISA). Ballast will operate pulse start lamps only from 200V - 277V at 50Hz or 60Hz.

Socket: Vertically oriented mogul base protected exclusionary base "PINK" socket with copper alloy nickel-plated screw shell and center contact. For use with "O" rated protected metal halide lamps only.

Installation

Housing: Integral rapid-latch steel hook provided with RELOC® or cord-and-plug assembly. Optional pendant splice box (PSB) for 3/4" conduit also available with mounting options.

Optical mounting: Die-formed 18-gauge galvanized adjustable steel bracket.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. Consult factory. UL Listed for damp locations.

Ambient operation: -30°C to 40°C. 55°C available. Consult factory.

**ORDERING INFORMATION**

For shortest lead times, configure products using **bolded options**.

Example: SH 400MP A16 TVOLT HEB

Series	Lamp type	Reflector	Voltage	Ballast	Options
SH	<u>Protected metal halide</u> 320MP 350MP 400MP	A16 A16GL	TVOLT¹ 120 208 240 277	<u>Pulse start metal halide</u> HEB HID electronic ballast	For options and accessories, see pages 433-439.

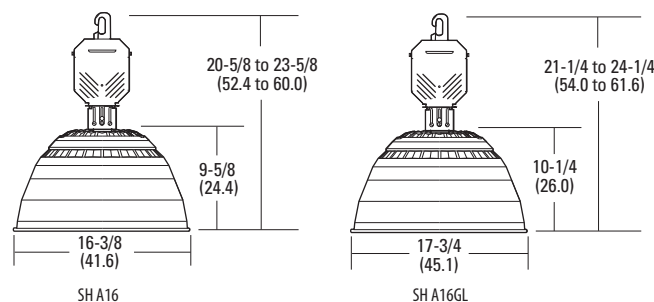
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ACCESSORIES

SCK	60" safety chain kit
WGA16	Wireguard for use with A16 reflector

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- ¹ Tri-volt electronic ballast capable of operating on any line voltage between 120V and 277V at 50Hz or 60Hz. Operates 320, 350 and 400W pulse start lamps only.

SH A15 SH A14

Hi-Tek®



Intended Use
For high mounting heights that require high efficiencies and horizontal illumination. Ideal for general manufacturing areas, storage areas and warehouse aisles. Steel ballast housing (SH) should be used in areas with minimal airborne contaminants.

Construction
Housing: Rugged octagonal steel housing provides structural strength and pleasing aesthetics. Center-mounted ballast is heat-sunk and all electrical components are positioned within the vented housing for cooler operations. White polyester powder coat finish. All electrical components are

positioned to assure unit will hang straight.

Optics
A15: High-efficiency, anodized, spun aluminum reflector that minimizes arc-tube voltage rise for optimal lamp life. Self-cleaning ventilated design carries contaminants out through top of reflectors.

A14: One-piece hydroformed, anodized aluminum reflector provides rectangular distribution for maximum luminaire spacing and high illumination.

Electrical
Ballast: Pulse start, 100% factory tested high power factor. Meets and exceeds the minimum energy effi-

ciency required by the Energy Independence and Security Act of 2007 (EISA). Ballast will operate pulse start lamps only from 200V-277V at 50Hz or 60Hz.

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center contact. For use with 0-rated, protected metal halide lamps only.

Installation
Housing: Integral rapid-latch steel hook provided with RELOC® or cord-and-plug assembly. Optional pendant splice box (PSB) for 3/4" conduit also available with mounting options.

Optical mounting: Die-formed 18-gauge galvanized adjustable steel bracket.

Listings
UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 40°. Specify high ambient (HA option) for 55°C.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

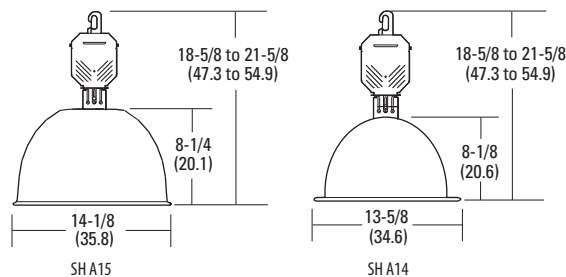
Example: SH 400MP A15 TVOLT HEB

Series	Lamp type	Reflector	Voltage	Ballast	Options
SH	<u>Protected metal halide</u>	A15 A14	TVOLT¹	<u>Pulse start metal halide</u>	For options and accessories, see pages 433-439.
	320MP		120	HEB HID electronic ballast	
	350MP		208		
	400MP		240 277		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

¹ Tri-volt electronic ballast capable of operating on any line voltage between 120V and 277V at 50Hz or 60Hz. Operates 320, 350 and 400W pulse start lamps only.

PRODUCT INFORMATION

SPG

DuraBay®



Intended Use

For high mounting heights that require high efficiencies, horizontal and vertical illumination, and premium contrast control. Ideal for retail and warehouse applications. Steel ballast housing (SPG) should be used in areas with minimal airborne contaminants.

Construction

Housing: Steel housing with white polyester powder coat finish. All electrical components are positioned to assure unit will hang straight. Housing is ventilated for optimal thermal performance.

Optics

High-efficiency, high-performance, heat-resistant borosilicate glass reflector is mounted with a heavy-gauge rigid wire form fitted to top of reflector. Opticals have a self-cleaning, ventilated design that carries optical contaminants out through top of reflector for maximum performance. Prismatic glass controls glare, reduces reflector-side wall brightness, and adds upright component for greater visual comfort and improved uniformity.

Electrical

Ballast: Pulse start: 100% factory tested high power factor. Meets or exceeds the minimum energy efficiency required by the Energy Independence and Security Act of 2007 (EISA).

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center contact. For use with 0-rated, protected metal halide lamps only.

Installation

One-piece galvanized hook and spring steel latch with cord and plug (SC3P) is standard. Pendant splice box (PSB) with top entry for 3/4" conduit also available with other mounting options.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 40°C. Specify high ambient (HA) option for 55°C.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

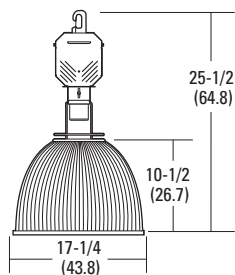
Example: SPG 400MP PG15 M TVOLT HEB

Series	Lamp type	Reflector	Distribution	Voltage	Ballast	Options
SPG	<u>Metal halide protected</u>	PG16	N Narrow	TVOLT¹	<u>Pulse start metal halide</u>	For options and accessories, see pages 433-439.
	320MP	PG16A	C Concentrating	120	HEB HID electronic ballast	
	350MP		M Medium	208		
	400MP		S Spread	240		
			W Widespread	277		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

¹ Tri-volt electronic ballast capable of operating on any line voltage between 120V and 277V at 50Hz or 60Hz. Operates 320, 350 and 400W pulse start lamps only.

Intended Use

For controlled environments that require a balance between high vertical and horizontal illumination. Ideal for retail areas, light manufacturing areas and aisles. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Housing: Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sunk to ballast housing for cooler operation.

Optics

Injection-molded, virgin acrylic reflector and drop (PA25D) or conical (PA22C) lens. UV stabilized. Hinge and lens retainer latches facilitate tool-less removal for maintenance and cleaning. Totally enclosed, gasketed refractor and reflector inhibit the entrance of ambient contaminants. Meets UL lamp rupture containment specifications. Coated lamps provide optimum performance.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: Constant wattage autotransformer. MH: 175-450W fixtures shipped within the U.S. require super CWA pulse start ballasts which are 88% efficient and EISA-legislation

compliant (must specify SCWA option). CSA, NOM or INTL options required for probe start shipments outside the U.S.

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center contact. For use with 0-rated, protected metal halide lamps only.

Installation

Pendant splice box 16-gauge galvanized steel with polyester powder finish. Removable box slides on integral die-cast aluminum housing mounting flange and mounts to 3/4" pendant conduit prior to ballast housing installation. Matching wire access cover accepts RELOC®

modular wiring. Complete assembly meets or exceeds UL 50-pound pull test.

Optic mounting: Four 8-32 zinc-plated, tri lobular, threaded-rolling screws are arranged concentrically around the lamp socket. 16-gauge, die-formed steel plate with matching keyhole slot pattern for vibration-resistant mounting. **For areas where reflectors are subject to impact (gymnasiums, etc.) add FWG (full wireguard) to catalog number.**

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. -30°C to 40°C ambient operations. UL wet location available.

TX PA22C TX PA25D

Acrylume®



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

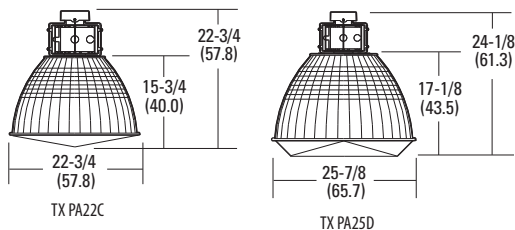
Example: TX 400MP PA22C TB SCWA

Series	Lamp type	Reflector	Voltage	Ballast	Options	
TX	Protected metal halide	High pressure sodium	PA22C	TB⁴	<u>Pulse start metal halide</u>	For options and accessories, see pages 433-439.
	175MP	250S	PA25D	120	For shipments to U.S. territories, SCWA must be specified to comply with EISA.	
	200MP	400S		208 ^{1,2}	SCWA Super constant wattage autotransformer	
	250MP			240 ^{1,2,3}	RLB Regulated lag ballast	
	320MP			277		
	350MP			347		
	400MP			480 ^{1,2}		
450MP					<u>Non-EISA ballasts</u> (blank) Standard magnetic ballast ^{5,6} CWI Constant wattage isolated ^{5,6} MRB Magnetic regulator ballast SCWI Isolated SCWA ^{5,7}	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Requires CWI option in Canada for metal halide, available for 175-450W only. Not available for 250W in 480V.
- 2 Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
- 3 220V and 240V, 50Hz and 60Hz ballast available for use with U.S. protected metal halide and high pressure sodium lamps.
- 4 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
- 5 For shipments outside of U.S. only.
- 6 175-450W metal halide only.
- 7 400W metal halide only.

PRODUCT INFORMATION

TX PA22GLE TX PA25ALE

Acrylume®



Intended Use

For controlled environments that require vertical and high horizontal illumination. Ideal for retail areas, light manufacturing areas and aisles. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components are horizontally opposed and heat-sunk to ballast housing for cool operation. Integral splice box mounting flange ensures structural integrity.

Optics

Optics: Injection-molded, virgin acrylic reflector with clear, tempered glass lens enclosure. UV-stabilized reflector. Lens is tempered glass for 22" reflector and flat clear acrylic for 25" reflector. Hinge and lens retainer latches facilitate tool-less removal for maintenance and cleaning.

Totally enclosed, gasketed lens and reflector inhibit the entrance of ambient contaminants. Meets UL lamp rupture containment specifications. Coated lamps provide optimum performance.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: Constant wattage autotransformer. MH: 175-400W fixtures shipped within the U.S. require super CWA pulse

start ballasts which are 88% efficient and EISA-legislation compliant (must specify SCWA option). CSA, NOM or INTL options required for probe start shipments outside the U.S.

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center contact. For use with O-rated, protected metal halide lamps only.

Installation

Pendant splice box removable cast-aluminum box slides on integral die-cast aluminum housing mounting flange and mounts to 3/4" pendant conduit prior to ballast housing installation. Matching wire access cover accepts RELOC® modular wiring. Complete

assembly meets or exceeds UL 50-pound pull test.

Optical mounting: Four 8-32 corrosion-resistant, tri-lobular, thread-rolling screws are arranged concentrically around the lamp socket. 16-gauge galvanized steel support ring with matching keyhole slots is pre-installed for vibration-resistant mounting. **For areas where reflectors are subject to impact (gymsnasiums, etc.) add FWG (full wireguard) to catalog number.**

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. -30°C to 40°C ambient operations (high ambient HA option for 55°C).



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

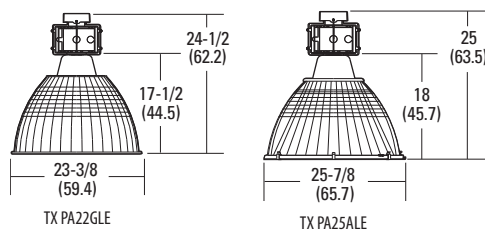
Example: TX 400MP PA22GLE TB SCWA

Series	Lamp type	Reflector	Voltage	Ballast	Options
TX	Protected metal halide	PA22GLE PA25ALE	TB ⁵ 120 208 ^{2,3} 240 ^{2,3,4} 277 347 480 ^{2,3}	Pulse start metal halide For shipments to U.S. territories, SCWA must be specified to comply with EISA. SCWA Super constant wattage autotransformer RLB Regulated lag ballast <u>Non-EISA ballast</u> (blank) Standard magnetic ballast ^{6,7} CWI Constant wattage isolated ^{6,7} MRB Magnetic regulator ballast SCWI Isolated SCWA ^{6,8}	For options and accessories, see pages 433-439.
	High pressure sodium				
	175MP ¹				
	200MP				
	250MP				
	320MP				
	350MP				
400MP					

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Only available with PA22GLE.
- 2 Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
- 3 Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
- 4 220V and 240V 50Hz and 60Hz ballasts available for use with U.S., protected metal halide and high pressure sodium lamps.
- 5 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
- 6 Available for shipments outside of U.S. only.
- 7 175-400W metal halide only.
- 8 400W metal halide only.

Intended Use

For areas that require vertical illumination and glare control at low mounting heights. Ideal for general open areas, retail spaces and aisles. **Certain airborne contaminants can diminish integrity of acrylic.** Refer to **Acrylic Environmental Compatibility tables on pages 794-795** for suitable uses.

Construction

Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sunk to ballast housing for cooler operation. Integral splice box mounting flange ensures structural integrity.

Optics

Injection-molded, virgin acrylic lens and highly reflective, white polyester powder painted reflector. UV stabilized. Hinge and lens retainer latches facilitate tool-less removal for maintenance and cleaning. Continuously gasketed refractor and reflector inhibits entrance of outside contaminants.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: Constant wattage autotransformer. MH: 150-400W fixtures shipped within the U.S. require super CWA pulse start ballasts which are 88% efficient and EISA-legislation compliant (must specify SCWA option). CSA, NOM or INTL options required

for probe start shipments outside the U.S.

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center contact. For use with 0-rated, protected metal halide lamps only.

Installation

Pendant splice box: Removable cast-aluminum box slides on integral die-cast aluminum housing mounting flange and mounts to 3/4" pendant conduit prior to ballast housing installation. Matching wire access cover accepts RELOC® modular wiring. Complete assembly meets or exceeds UL 50-pound pull test.

Optic Mounting Four 8-32 zinc-plated, tri-lobular, thread-rolling screws are arranged concentrically around the lamp socket. 16 gauge, galvanized steel support ring with matching keyhole pattern for vibration-resistant mounting.

Listings

UL listed -30°C to 40°C ambient operations and damp locations. 55°C high ambient (HA option) available. (HA not available on TXD A23). UL wet location available. Consult factory. UL listed to U.S. and Canadian safety standards. NOM Certified.

**TX A23
TXD A23**
Hi-Tek®



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TX 400MP A23 TB SCWA

Series	Lamp type	Reflector	Voltage
TX	Protected metal halide	A23	TB ⁵
TXD ¹	High pressure sodium		120
	175MP		208 ^{2,3}
	200MP		240 ^{2,3,4}
	250MP¹		277
	320MP		347
	350MP		480 ^{2,3}
	400MP¹		
	450MP		

Ballast

Pulse start metal halide

For shipments to U.S. territories, SCWA must be specified to comply with EISA.

SCWA Super constant wattage autotransformer (Standard)

RLB Regulated lag ballast

Non-EISA ballast

(blank) Standard magnetic ballast^{6,7}

CWI Constant wattage isolated^{6,7}

MRB Magnetic regulator ballast

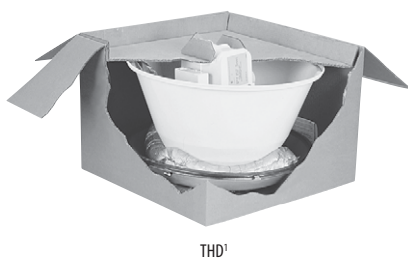
SCWI Isolated SCWA^{6,8}

Options

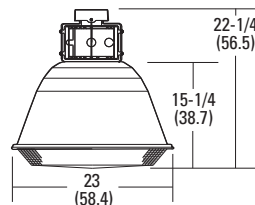
For options and accessories, see pages 433-439.

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.



Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- TXD consists of TX housing and A23 optical assembly shipped in one carton. Available with tapped ballast only. Available only in 250MP and 400MP SCWA ballast only.
- Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
- Requires CSI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
- 220V and 240V, 50Hz and 60Hz ballasts available for use with U.S. protected metal halide lamps.
- Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada.)
- Available for shipments outside of U.S. only.
- 175-450W metal halide only.
- 400W metal halide only.

PRODUCT INFORMATION

TX A20 TX A26 TX A30

Hi-Tek®



Intended Use

For areas that require good vertical illumination with excellent glare control at low mounting heights. Ideal for general open areas, retail spaces, aisles and manufacturing areas. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Housing: Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sunk to ballast housing for cooler operation.

Optics

Optics: Injection-molded virgin acrylic lens, fully fluted anodized aluminum reflector. Hinge and lens retainer latches facilitate tool-less removal for maintenance and cleaning. Totally enclosed, gasketed refractor and reflector inhibit the entrance of ambient contaminants. All distribution patterns are widespread.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: constant wattage autotransformer, MH Super CWA Pulse Start ballast, 88% efficient and EISA legislation compliant, are required for 150-400W (must order SCWA option) for US shipments only. CSA, NOM or INTL

required for probe start shipments outside the US.

Socket: Vertically oriented mogul base protected exclusionary base "PINK" socket with copper alloy nickel plated screw shell and center contact. For use with 'O' rated protected metal halide lamps only.

Installation

Pendant splice box: Removable cast-aluminum box slides on integral die-cast aluminum housing mounting flange and mounts to 3/4" pendant conduit prior to ballast housing installation. Matching wire access cover accepts RELOC® modular wiring. Complete assembly meets or exceeds UL 50-pound pull test.

Optic mounting: Four 8-32 zinc-plated, tri-lobular, thread-rolling screws are arranged concentrically around the lamp socket. 16-gauge, galvanized steel support ring with matching keyhole pattern for vibration-resistant mounting.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed -30°C to 40°C ambient operation and damp locations (high ambient HA option for 55°C). UL wet location available.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TX 400MP A26 TB SCWA

Series	Lamp type ⁶	Reflector	Voltage	Ballast	Options	
TX	Protected metal halide	High pressure sodium	A20	TB⁴	Pulse start metal halide	For options and accessories, see pages 433-439.
	100MP	50S	A26	120	For shipments to U.S. territories, SCWA must be specified to comply with EISA.	
	150MP	70S	A30	208 ^{1,2}	SCWA Super constant wattage autotransformer	
	175MP	100S		240 ^{1,2,3}	RLB Regulated lag ballast	
	200MP	150S		277	Non-EISA ballast	
	250MP	200S		347	(blank) Standard magnetic ballast ^{5,7}	
	320MP			480 ^{1,2}	CWI Constant wattage isolated ^{5,7}	
	350MP				MRB Magnetic regulator ballast	
	400MP				SCWI Isolated SCWA ^{5,8}	

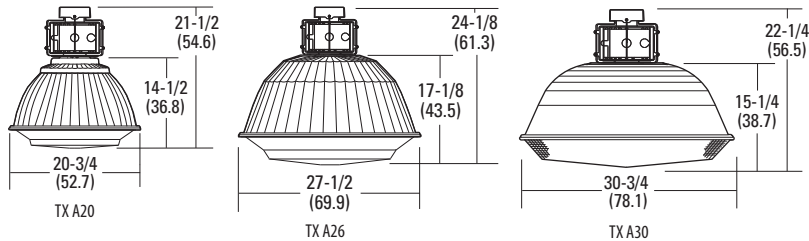
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS

REFLECTOR	LAMP TYPE
A20	100MP, 150MP, 175MP, 200MP, 250MP, 50S, 70S, 100S, 150S, 200S
A26	250MP, 320MP, 350MP, 400MP
A30	175MP, 200MP, 250MP, 320MP, 350MP, 400MP

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
- 2 Requires CSI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
- 3 220V and 240V 50Hz and 60Hz ballasts available for use with U.S., protected metal halide and high pressure sodium lamps.
- 4 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
- 5 Available for shipments outside of U.S. only.
- 6 Specify lamp type and reflector, see Configurations table.
- 7 150-400W metal halide only.
- 8 400W metal halide only.

Intended Use

For areas that require high vertical illumination and wide spacings. Ideal for aisles, service areas and parking garages. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Housing: Heavy-duty, die-cast aluminum halves. Ballast and electrical components are heat-sunk and horizontally opposed for cooler operation. Integral splice box mounting flange ensures structural integrity. Electrostatically applied white polyester powder paint.

Optics

Optics (A121, A125): Anodized aluminum 12" reflector with one-piece injection-molded acrylic or polycarbonate refractor and bottom enclosure. Optics (A162, A165): 16" high efficiency, optical-quality, white polyester powder finish with one-piece injection-molded acrylic or polycarbonate refractor and bottom enclosure. Consult factory. Type I and II: Asymmetrical long and narrow distribution. Type V: Symmetrical circular distribution. OB optics are open bottom.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: Constant wattage autotransformer. MH: 200-400W fixtures

shipped within the U.S. require super CWA pulse start ballasts which are 88% efficient and EISA-legislation compliant (must specify SCWA option). CSA, NOM or INTL options required for probe start shipments outside the U.S.

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center contact. For use with 0-rated, protected metal halide lamps only.

Installation

Pendant splice box threaded for 3/4" conduit (standard). Other mounting options available. Matching wire access cover accepts RELOC®

modular wiring. Complete assembly meets or exceeds UL 50-pound pull test.

Optical mounting: Two 3-32 zinc-plated, tri-lobular, threaded-rolling screws are arranged concentrically around the lamp socket. Keyhole slot pattern for vibration-resistant mounting.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations and -30°C to 40°C ambient operation (high ambient HA option for 55°C). UL wet location standard on 150MP closed bottom only. WL option available on all others, closed bottom only.

**TX A121
TX A125
TX A162
TX A165**

Hi-Tek®



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TX 250MP A125 TB SCWA

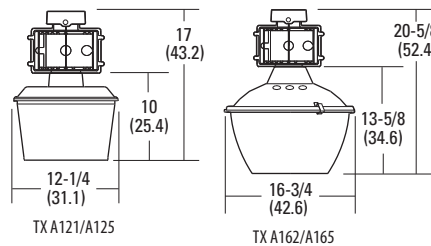
Series	Lamp type ⁷	Reflector	Voltage	Ballast ⁶	Options	
TX	Protected metal halide	High pressure sodium	A165	TB³	Pulse start metal halide	For options and accessories, see pages 433-439.
	150MP	200S¹	A162	120	For shipments to U.S. territories, SCWA must be specified to comply with EISA.	
	200MP	250S¹	A1650B	208 ^{2,3}	SCWA Super constant wattage autotransformer	
	250MP	400S¹	A1620B	240 ^{2,3,4}	RLB Regulated lag ballast	
	320MP ¹		A125	277	Non-EISA ballast⁷	
	350MP ¹		A121	347	(blank) Standard magnetic ballast ⁸	
	400MP¹		A1250B	480 ^{2,3}	SCWI Isolated SCWA ⁹	
		A1210B		CWI Constant wattage isolated ⁸		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS	
REFLECTOR	LAMP TYPE
A162, A165	150MP, 200MP, 200S, 250MP, 250S
A1650B, A1650B	320MP, 350MP, 400MP, 400S
A125, A121, A1250B, A1210B	200S, 250S, 400S

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Open bottom only.
- Requires CWI or RLB option in Canada for metal halide. Available in 175-400W.
- Requires CWI or MRB option in Canada for high pressure sodium. Available 70-400W.
- 220V and 240V 50Hz and 60Hz ballasts available for use with U.S. protected metal halide and sodium lamps.
- Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada.)
- Available for shipments outside of U.S. only.
- Specify lamp type and reflector, see Configurations table.
- 150-400W metal halide only.
- 400W metal halide only.

PRODUCT INFORMATION

HID LOW BAY



Intended Use

Enclosed HID lowbay fixture with white painted aluminum reflector and prismatic acrylic lens. Designed to produce balanced vertical and horizontal illumination for mounting heights of 20' or lower. Ideal for use in retail spaces, light manufacturing areas, storage areas and loading docks. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Durable die-cast aluminum housing in a compact design with smooth contours and electro-statically applied white polyester powder paint. Ballast and electrical components are fully contained and heat-sinked within the housing.

Steel hook with spring steel latch on removable pendant splice box is standard. Convenient side knockout entries in splice box allow for easy wiring. Hook is easily removed for conduit pendant mounting.

Optics

Spun-aluminum 20-inch reflector with electro-statically applied white polyester powder paint and clear acrylic lens are optically designed for superior uniformity and brightness control.

Electrical

Ballast: All ballasts are 100% factory tested. 400W fixtures shipped within the U.S. require super CWA pulse start ballasts which are 88% efficient and EISA-legislation compliant (must specify PPSL option). CSA required for shipments to Canada.

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center contact. For use with O-rated, protected metal halide lamps only.

Listings

UL listed to U.S. and Canadian standard for 30°C to 40°C ambient operations and damp locations.



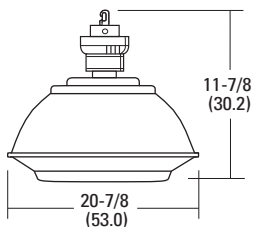
ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	DIMENSIONS (L x W x D, INCHES)	FIXTURE WEIGHT (LBS.)	PALLET QUANTITY
CXD400PPSL	Ballast housing containing 400W MH pulse start ballast, protected exclusionary PINK socket, mounting legs, 400W MH protected pulse start lamp, 20" reflector and hook with pendant splice box	20-7/8" x 20-7/8" x 11-7/8"	21.32	12
CXD400PL CSA	Ballast housing containing 400W MH probe start ballast, protected exclusionary PINK socket, mounting legs, 400W MH protected probe start lamp, 20" reflector and hook with pendant splice box	20-7/8" x 20-7/8" x 11-7/8"	21.32	12

COMPONENT PARTS	DESCRIPTION
CHCX 400PPS HSG	Housing with 400W protected socket, pendant splice box and hook. Works with either CHD or CXD steel optical.
CXA20	20" white painted reflector with diffuser (lens)

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Intended Use

For areas that require high efficiencies, general horizontal/high vertical illumination and premium contract control at lowmounting heights. Ideal for light manufacturing areas, warehouse and retail aisles. Steel ballast housings should be used in areas with minimal airborne contaminants. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Housing: Rugged octagonal steel housing provides structural strength and pleasing aesthetics. Center-mounted ballast is heat-sunk and all electrical components are positioned within the vented

housing for cooler operations. White polyester powder coat finish. All electrical components are positioned to assure unit will hang straight.

Optics

UV stabilized. Enclosed design with integral flange includes corrosion-resistant hinge and latches allowing easy maintenance. PA22C: Injection-molded virgin acrylic reflector and conical lens. Coated lamps (must be ordered separately) provide optimal performance. Consult factory for compatibility with corrosive materials. Meets UL lamp rupture containment specifications. Provides approximately 35% uplight.

PA25D: Injection-molded virgin acrylic reflector and drop lens. Provides approximately 25% uplight.

PA22GLE: Injection-molded virgin acrylic reflector and Tempered glass lens. Provides approximately 10% uplight.

PA25ALE: Injection-molded virgin acrylic reflector and flat lens. Provides approximately 10% uplight.

Electrical

Ballast: Pulse start, 100% factory-tested high power factor. Meets and exceeds the minimum energy efficiency required by the Energy Independence and Security Act of 2007 (EISA). Ballast will install and operate pulse start lamps only from 120V-277V, 50/60Hz.

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center

contact. For use with O-rated, protected metal halide lamps only.

Housing: Integral rapid-latch steel hook provided with RELOC® or cord-and-plug assembly. Optional pendant splice box (PSB) for 3/4" conduit also available with mounting options. Optical mounting: Die-formed 18-gauge galvanized adjustable steel bracket.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified (See Options). UL Listed for damp locations. Ambient operation: -30°C to 40°C. 55°C available on PA25ALE only.

**SX PA22C
SX PA25D
SX PA22GLE
SX PA25ALE**

Acrylume®



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

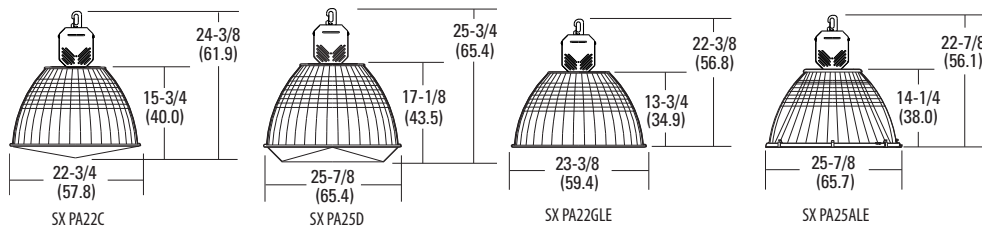
Example: SX 350MP PA22C TVOLT HEB

Series	Lamp type	Reflector	Voltage	Ballast	Options
SX	Protected metal halide	PA22C	TVOLT¹	Pulse start metal halide	For options and accessories, see pages 433-439.
	320MP	PA25D	120	HEB HID electronic ballast	
	350MP	PA22GLE	208		
	400MP	PA25ALE	240		
			277		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

¹ Tri-volt electronic ballast capable of operating on any line voltage between 120V and 277V at 50Hz or 60Hz. Operates 320W, 350W and 400W protected pulse start lamp only.

PRODUCT INFORMATION

SX A23

Hi-Tek®



Intended Use
For areas that require vertical illumination and glare control at low mounting heights. Ideal for general open areas, retail spaces and aisles. Steel ballast housing should be used in areas with minimal airborne contaminants. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
Housing: Rugged octagonal steel housing provides structural strength and pleasing

aesthetics. Center-mounted ballast is heat-sinked and all electrical components are positioned within the vented housing for cooler operation. White polyester powder coat finish. All electrical components are positioned to assure unit will hang straight.

Optics
Injection-molded UV stabilized virgin acrylic lens and highly reflective, white polyester powder painted aluminum reflector. Hinge-and-lens retainer latches facilitate tool-less removal for maintenance and cleaning. Inhibits entrance of outside contaminants.

Ballast: Pulse start, 100% factory-tested high power factor. Meets and exceeds the minimum energy efficiency required by the Energy Independence and Security Act of 2007 (EISA). Ballast will operate pulse start lamps only from 120V-277V, 50/60Hz.

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center contact. For use with O-rated, protected metal halide lamps only.

Installation
One-piece galvanized hook-and-spring steel latch with cord and plug (SC3P) is standard. Pendant splice box (PSB) with top entry for 3/4" conduit also available with mounting options.

Listings
UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operations: -30°C to 40°C.



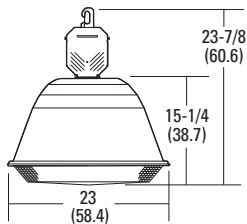
ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: SX 400MP A23 TVOLT HEB

Series	Lamp type	Reflector	Voltage	Ballast	Options
SX	Protected metal halide 320MP 350MP 400MP	A23	TVOLT¹ 120 208 240 277	<u>Pulse start metal halide</u> HEB Electronic HID ballast	For options and accessories, see pages 433-439.

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

¹ Tri-volt electronic ballast capable of operating on any line voltage between 120V and 277V at 50Hz or 60Hz operates 320W, 350W and 400W pulse start lamps only.

SX A26 SX A30

Hi-Tek®



Intended Use
For areas that require vertical illumination and glare control at low mounting heights. Ideal for general open areas, retail spaces and aisles. Steel ballast housing should be used in areas with minimal airborne contaminants. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
Housing: Rugged octagonal steel housing provides structural strength and pleasing aesthetics. Center-mounted ballast is heat-sinked and all electrical components are positioned within the vented

housing for cooler operation. White polyester powder coat finish. All electrical components are positioned to assure unit will hang straight.

Optics
A20 and A26: Injection-added UV stabilized, virgin acrylic lens fully fluted anodized aluminum reflector. Positive-latch refractor clips allow access for maintenance and cleaning. Continuously gasketed refractor and reflector inhibit the entrance of ambient contaminants. Meets UL lamp rupture containment specifications.

A30: Injection-molded virgin acrylic lens, fully fluted, anodized aluminum reflector; exclusive spun-fluted anodized reflector. Hinge

and lens retainer latches facilitate tool-less removal for maintenance and cleaning. Totally enclosed, gasketed refractor and reflector inhibit the entrance of ambient contaminants. All distribution patterns are widespread.

Electrical
Ballast: Pulse start, 100% factory-tested high power factor. Meets and exceeds the minimum energy efficiency required by the Energy Independence and Security Act of 2007 (EISA). Ballast will operate pulse start lamps only from 120V-277V, 50/60Hz.

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center con-

tact. For use with O-rated, protected metal halide lamps only.

Installation
One-piece galvanized hook and spring steel latch with cord and plug (SC3P) is standard. Pendant splice box (PSB) with top entry for 3/4" conduit also available with mounting options.

Listings
UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operations: -30°C to 40°C.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

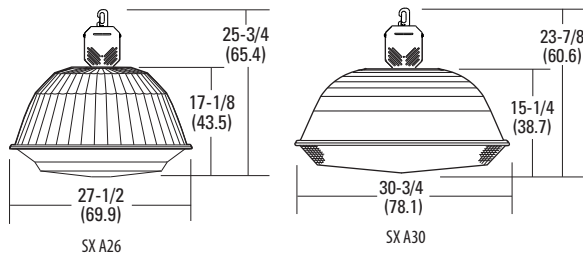
Example: SX 400M A26 TVOLT HEB

Series	Lamp type	Reflector	Voltage	Ballast	Options
SX	320MP	A26	TVOLT¹	Pulse start metal halide	For options and accessories, see pages 433-439.
	350MP	A30	208	HEB Electronic HID electronic ballast	
	400MP		240 277		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

¹ Tri-volt electronic ballast capable of operating on any line voltage between 120V and 277V at 50Hz or 60Hz. operates 320W, 350W and 400W pulse start lamps only.

PRODUCT INFORMATION

TXF PA25ALEF TXF A30F

Acrylume® and Hi-Tek®



TXF PA25ALEF

TXF A30F

Intended Use
For general area illumination of food processing and hose-down areas requiring high efficiencies, horizontal illumination, premium glare control, ease of cleanability, compliance to FDA/USDA requirements and/or NSF splash-zone certification. For more NSF information, see page 793. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction
Housing: Fully gasketed, heavy-duty, die-cast copper free (<0.4%) aluminum ballast housing. Finish meets FDA CFR 21 175.300 for resinous and polymeric coatings. Electrostatically applied white polyester powder paint. Electrical components heat-sinked and horizontally opposed.

External hardware is stainless steel or corrosion-resistant with no exposed threads.

Optics
Optics: PA25ALEF: Enclosed and gasketed, injection-molded, UV stabilized, virgin acrylic reflector and flat lens.

A30F: anodized aluminum and UV-stabilized virgin acrylic lens. Gasketed reflector and lens inhibit entrance of contaminants.

Six stainless steel positive-latch reflector clips and stainless steel lens ring allow access for maintenance and cleaning. Gasketed refractor and reflector inhibit the entrance of ambient contaminants. Meets UL lamp rupture containment specifications.

Electrical
Ballast: All ballasts are 100% factory tested. HPS: Constant wattage autotransformer. MH: 175-400W fixtures

shipped within the U.S. require super CWA pulse start ballasts which are 88% efficient and EISA-legislation compliant (must specify SCWA option). CSA, NOM or INTL options required for probe start shipments outside the U.S.

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center contact. For use with O-rated, protected metal halide lamps only.

Installation
Ballast housing: Ships standard with cast splice box to ensure structural integrity. Splice box mounts to 3/4" pendant conduit. Fully gasketed access cover allows ease of wiring and inspection. Wet location hook-rod and-plug is available as a factory installed option.

Optical mounting: Four 8-32 corrosion-resistant, tri-lobular, thread-rolling screws are arranged concentrically around the lamp socket. Optic is sealed at the point of attachments with a one-piece gasket of FDA-approved material. A 16-gauge galvanized steel support ring with matching keyhole slots is pre-installed for vibration-resistant mounting.

Listings
UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for -30°C to 55°C ambient operation and wet locations. NSF international certified splash-zone and meets FDA/USDA guidelines. **A30F is IP65 rated against ingress of water and contaminants and is suitable for high-pressure hose-downs up to 1200 psi.**



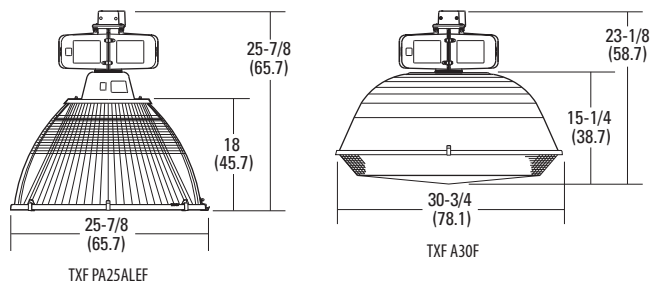
ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: TXF 400MP A30F TB SCWA

Series	Lamp type	Reflector	Voltage	Ballast	Options	
TXF	Protected metal halide	High pressure sodium	PA25ALEF	TB⁴	Pulse start metal halide	For options and accessories, see pages 433-439.
	175MP	250S	A30F	120	For shipments to U.S. territories, SCWA must be specified to comply with EISA.	
	200MP	400S		208 ^{1,2}	SCWA Super constant wattage autotransformer	
	250MP			240 ^{1,2,3}	RLB Regulated lag ballast	
	320MP			277	Non-EISA ballast	
	350MP			347	(blank) Standard magnetic ballast ^{5,6}	
	400MP			480 ^{1,2}	CWI Constant wattage isolated ^{5,6}	
				MRB Magnetic regulator ballast		
				SCWI Isolated SCWA ^{5,7}		

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



TXF PA25ALEF

TXF A30F

Notes

- Requires CWI or RLB option in Canada for metal halide. Available for 175-450W only.
- Requires CSI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
- 220V and 240V 50Hz and 60Hz ballasts available for use with U.S. protected metal halide and high pressure sodium lamps.
- Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
- Available for shipments outside of U.S. only.
- 175-400W metal halide only.
- 400W metal halide only.

TGL TGR Acrylume®



Intended Use

For areas that require optimum vertical illumination with glare control at low mounting heights. Ideal for parking garages, greenhouses, garden centers and low-profile industrial aisles. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Housing: Rugged, heavy, die-cast aluminum housing. Standard finish is natural aluminum polyester powder finish. Induction lighting: High frequency generator/ballast

supplies high-frequency current to the lamp to initiate and maintain a gas discharge for a rated 100,000 hours of life.

Optics

One-piece, injection-molded, 100% virgin acrylic refractor. TGL Type V (A165), Type II (A162), TGR Type V (A125) and Type 1 (A121) distributions are available. Polycarbonate refractor available. Consult factory.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: Constant wattage autotransformer. MH: 175-200W fixtures shipped within the U.S. require super CWA pulse start ballasts which are 88% efficient and EISA-legislation

compliant (must specify SCWA option). CSA, NOM or INTL options required for probe start shipments outside the U.S.

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center contact. For use with 0-rated, protected metal halide lamps only.

Installation

Standard quick-mount attachment plate mounts to 4" square or octagonal J-box. **Factory installed pendant mount option (PM) available.**

Listings

TGL: UL Listed to U.S. and Canadian safety standards. NOM Certified. TGR: UL Listed and CSA Certified. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 40°C (100M); -30°C to 25°C (250M); -40°C to 25°C (85IL). UL wet location standard for 150W metal halide TGL / TGR. Optional for all other wattages.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TGL 200MP A165 TB SCWA

Series	Lamp Type ⁶	Reflector	Voltage	Ballast	Options
TGL	Protected metal halide	High pressure sodium	A165	TB⁴	Pulse start metal halide
TGR	100MP	70S	A162	120	For shipments to U.S. territories, SCWA must be specified to comply with EISA.
	150MP	100S	A125	208 ^{1,2,3}	SCWA Super constant wattage autotransformer
	200MP	150S	A121	240 ^{1,2}	RLB Regulated Lag ballast
		<u>Induction</u>		277	<u>Non-EISA ballast</u>
		55IL		347	(blank) Standard magnetic ballast ⁵
		85IL		480	CWA Constant wattage ⁵
				TVOLT ⁷	CWI Constant wattage isolated ⁵
				MRB	Magnetic regular ballast

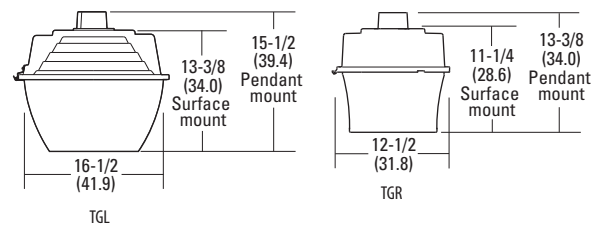
For options and accessories, see pages 433-439.

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

SERIES	REFLECTOR		LAMP TYPE
	TYPE V	TYPE II	
TGL	A165	A162	100MP, 150MP, 200MP, 70S, 100S, 150S, 55IL, 85IL
TGR	A125	A121	100MP, 70S, 100S, 150S
TGL	A165	A162	55IL, 85IL

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



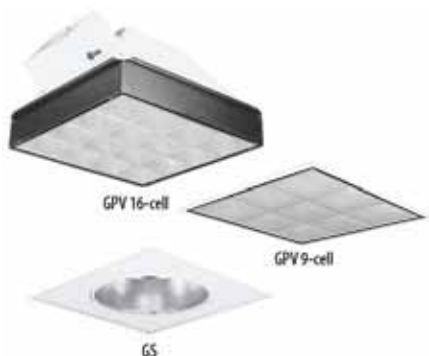
Notes

- Requires CWI or RLB option in Canada for metal halide. Available for 175-250W only.
- Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-150W only.
- 220V and 240V, 50Hz and 60Hz ballasts available for use with U.S. protected metal halide lamps.
- Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
- Available for shipments outside of U.S. only. 150, 200W metal halide only.
- Specify lamp type and reflector, see Configurations table.
- 55IL and 85IL only.

PRODUCT INFORMATION

GPV GS

Parabolic Louvers



Intended Use
Use in recessed hard-ceiling and T-bar applications that require optimum horizontal illumination with superior brightness control and lamp shielding. Ideal for open office, retail and commercial areas. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

GS fixtures for use only in T-bar ceilings.

Construction
GPV housing: 20-gauge steel housing with high reflectance, white polyester paint.

GS housing: Square steel pan finished in polyester matte white powder paint.

Optics
GPV: Specular clear parabolic 16-cell or 9-cell, 4" deep aluminum louvers float in the middle of a black reveal with tempered glass overlay. Louver door attached with T-hinges and spring loaded latches for positive retention. Coated lamps provide optimum performance.

GS: One-piece, semi-specular, spun aluminum reflector. Exclusive design with extended shielding provides wide distribution with minimal brightness. White painted steel door assembly with clear tempered glass lens, retention hinge and

latch. Coated lamps provide optimum performance.

Electrical
Ballast: All ballasts are 100% factory tested. HPS: Constant wattage autotransformer. MH: 200-400W fixtures shipped within the U.S. require super CWA pulse start ballasts which are 88% efficient and EISA-legislation compliant (must specify SCWA option). CSA, NOM or INTL options required for probe start shipments outside the U.S.

Socket: Mogul-base porcelain socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation
GPV: 2" nominal aperture. Power door contains all electrical components. Pre-wired 7", 16-gauge leads and 90° connector, no flex. Power door swings down for easy access or can be removed for servicing. Overlapping flange kit (GPFKIT) available for non-T-Bar applications.

GS: Electrical components factory assembled to the pan and ready to lay in a 2' x 2' grid ceiling. Pre-wired 7", 16-gauge leads and 90° connector, no flex.

Listings
UL Listed. CSA Certified. UL Listed for recessed mounting and damp locations.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

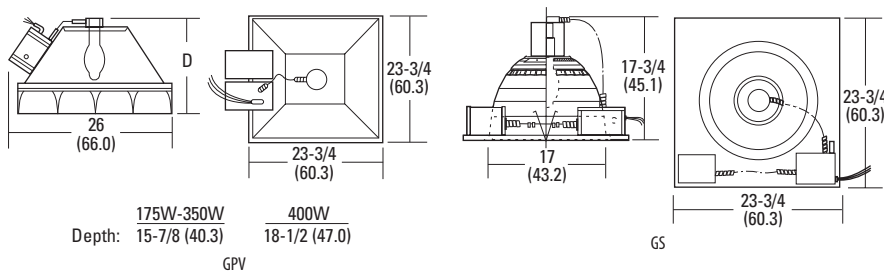
Example: GPV 400M 9AGL TB SCWA

Series	Lamp type ¹	Louver	Voltage
GPV Vertical lamp	<u>Metal halide</u>	16AGL 16-cell, specular clear with glass overlay ²	TB⁴
GS Enclosed vertical lamp	175M	9AGL 9-cell, specular clear with glass overlay ²	120
	200M		208 ^{2,3}
	250M		240 ^{2,3}
	320M		277
	350M		347
	400M		

Ballast	Options
Pulse start metal halide	For options and accessories, see pages 433-439.
SCWA Super constant wattage autotransformer	
RLB Regulated lag ballast	
For shipments to U.S. territories, SCWA must be specified to comply with EISA.	
Non-EISA ballast ⁵	
(blank) Standard magnetic ballast ⁶	
CWI Constant wattage isolated ⁶	
SCWI Isolated SCWA ⁷	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



- Notes**
- Mogul-base lamps required. Coated lamps recommended.
 - Not available on GS products.
 - Requires CWI or RLB option in Canada for metal halide. Available for 175-400W only.
 - Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
 - Available for shipments outside of U.S. only.
 - 175-400W metal halide only.
 - 400W metal halide only.

PRODUCT INFORMATION

Intended Use

Use in hard ceiling and T-bar applications with low mounting heights that require optimum horizontal illumination with brightness control. Ideal for office, retail and commercial areas. Prismatic tempered glass lens with polycarbonate underlay suitable for gymnasiums and racquet-ball courts. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

Construction

Housing: 20-gauge steel housing with high reflectance, white polyester paint.

Optics

Anodized aluminum top reflector. Door assemblies available with choice of prismatic tempered glass, prismatic acrylic and tempered prismatic glass with polycarbonate underlay. Door attaches to housing with T-hinges and two opposing cam latches for positive retention. G3V series rough service door assembly secured by additional four screws.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: Constant wattage autotransformer. MH: 200-400W fixtures shipped within the U.S. require super CWA pulse start ballasts which are 88%

efficient and EISA-legislation compliant (must specify SCWA option). CSA, NOM or INTL options required for probe start shipments outside the U.S. Thermally activated insulation detector included.

Socket: Vertically oriented mogul base socket with copper alloy, nickel-plated screw shell and center contact. For use with 0-rated, protected metal halide lamps only.

Installation

2' x 2' lay-in housing design with power door containing all electrical components. Pre-wired 7', 16-gauge leads and 90° connector, no flex. G2V: Power door swings

down for easy access or can be removed for servicing.

G3V: Uses four Philips flathead retaining screws for positive door retention. Overlapping flange kit available (GFKIT) for non-T-Bar applications.

Listings

UL Listed. CSA Certified. UL Listed for recessed mounting and damp locations.

**G2V
G3V**

Prismatic Lenses



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: G2V 400M FW T73 SCWA

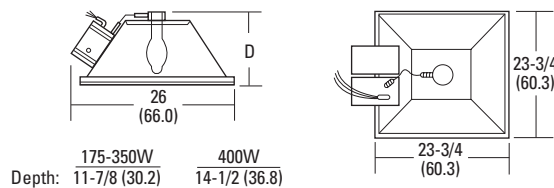
Series	Lamp type ¹	Door ⁸	Shielding	Voltage	Ballast
G2V	<u>Metal halide</u>	RW Regressed white aluminum	T73 Tempered prismatic glass lens	TB⁶	<u>Pulse start metal halide</u>
G3V	175M	FWS Flush white steel ²	84YGL Holophane® #8224Y acrylic lens with tempered glass overlay	120	For shipments to U.S. territories, SCWA must be specified to comply with EISA.
	200M	FW Flush white aluminum	A12GL Prismatic acrylic lens with tempered glass overlay	208 ^{4,5}	SCWA Super constant wattage autotransformer standard
	250M		T73/PCL Tempered prismatic glass lens with polycarbonate underlay ³	240 ^{4,5}	RLB Regulated lag ballast
	320M			277	<u>Non-EISA ballast⁷</u>
	350M			347	(blank) Standard magnetic ballast ⁹
	400M				CWI Constant wattage isolated ⁹
					SCWI Isolated SCWA ¹⁰

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
DOOR FRAMES	G2V	G3V
RW	Option	Option
FWS	Standard	N/A
FW	Option	Standard

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Mogul-base lamps required. Coated lamps recommended.
- Available with G2V luminaires only.
- Available with G3V luminaires only.
- Requires CWI or RLB option in Canada for metal halide. Available for 175-400W only.
- 220V and 240V 50Hz and 60Hz ballasts available for use with U.S. metal halide lamps.
- Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
- Available for shipments outside of U.S. only.
- See Configurations table for availability.
- 175-400W metal halide only.
- 400W metal halide only.

PRODUCT INFORMATION

KILOWATCH®



KWR



KWTXTD

Intended Use

KiloWatch® dual-level HID luminaire option provides capability to switch ballast between high-mode and low-mode operation. Choose from 100% to 50% power operation or 100% to 50% lumen output operation. Luminaires must be combined with motion sensors, photocells and/or control transformers for complete system. Ideal for energy reduction or light level control in warehouses, storage areas, parking garages, shipping docks and gymnasiums.

System Features**Components:**

KWTD: Time delay control. Solid-state, digital timing circuit automatically provides high mode startup of each lamp for 15 minutes, guaranteeing lamp stabilization. For 120V AC manually switched or 120V AC photocell (KWPC) applications.

KWTXTD: Time delay control voltage transformer. Provides 120V AC control circuit power for 208/240/277/347/480V AC applications controlled by photocells or manual switching*. Includes solid-state, digital timing circuit for automatic high mode start-up of each lamp for 15 minutes, guaranteeing lamp stabilization. One KWTXTD required for

each on/off control zone of up to 30 fixtures.

KWTX: Control voltage transformer. Provides 120V AC control circuit power for 208/240/347/480V AC applications in conjunction with KWIR motion sensors. High mode start-up of each lamp for 20 minutes performed by KWIR sensors. One KWTX required for each on/off control zone of up to 30 fixtures.

KWIR: Passive infrared motion sensor. Switches 120V or 277V control relays in each lighting fixture based on occupancy. Sensor detects moving temperature differentials against background radiation. When motion is detected, lighting system is switched to high mode for one to 20 minutes (field adjustable) after motion no longer is detected. Sensor includes timing circuit for automatic high mode start-up for 20 minutes. Sensor is factory-preset at optimum performance angle (43°) and can be field-adjusted. Sensor is designed for use in indoor applications with 15' to 35' mounting heights where a long and narrow coverage pattern is desired (14°F to 160°F).

KWIR WA: Passive infrared motion sensor. Same as KWIR sensor with wide angle lens

designed for use in indoor applications with 7' to 8' mounting heights where a short, wide coverage pattern is desired (14°F to 160°F).

KWIR LT: Passive Infrared motion sensor. Same as KWIR sensor designed for low temperature operation (-40°F to 160°F).

KWPC: Photo-diode sensors. Sensors switch luminaires to low output based on predetermined ambient illumination levels (field adjustable).

Luminaires:

KiloWatch options listed below only are available with CWA/SCWA ballast configurations. The desired option must be designated in the fixture catalog number.

KW1: Reduces wattage by 50% (light output reduces by 70-80%). Luminaire supplied with 120V AC control components for use with all manually switched*, KWPC photocell (120/208/240/277/347/480V) or KWIR sensor (120/208/240/347/480V) controlled systems.

KW150: Reduces light output by 50% (power reduces by 30-40%). Luminaire supplied with 120V AC control components

for use with all manually switched*, KWPC photocell (120/208/240/277/347/480V), or KWIR motion sensor (120/208/240/347/480V) controlled systems.

KW4: Reduces wattage by 50% (light output reduces by 70-80%). Luminaire supplied with 277V AC control components. For use with KWIR motion sensor controlled systems.

KW450: Reduces light output by 50% (power reduces by 30-40%). Luminaire supplied with 277V AC control components for use with KWIR motion sensor-controlled systems.

Consult factory when using RELOC® wiring with KiloWatch®.

Lamp manufacturers require 100 hours high-mode burn-in of new lamps prior to low-mode operation and 15 to 20 minutes of high-mode operation thereafter upon start-up.

Not for use with dual-wattage-rated lamps.

* Manual switches and wall boxes by others.

Consult factory for field start-up service.

**ORDERING INFORMATION**

Lead times will vary depending on options. Consult with your sales representative.

Example: TH 400MP A16 277 SCWA KW4

Series	Lamp type			Reflector	Voltage	Ballast	Options
TE	High pressure sodium	Protected metal halide	Metal halide	Consult individual product pages for reflector options.	120	Pulse start metal halide SCWA Super constant wattage autotransformer	KW1 ¹
TH	150S	175MP	175M		208		KW150 ²
TPG	250S	200MP	200M		240		KW4 ³
TPGE	400S	250MP	250M		277		KW450 ⁴
TX	100S	320MP	320M		347		
TGL		350MP	350M		480		
TGR		400MP	400M				
		450MP	450M				
		1000MP	1000M				

ADDITIONAL INFORMATION

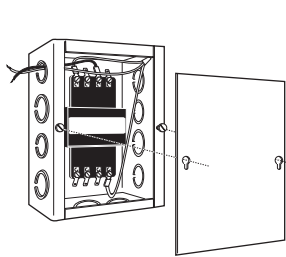
For additional product information, visit www.lithonia.com.

Notes

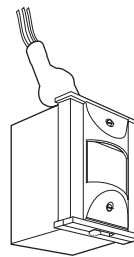
- 1 Manual control switches and boxes by others.
- 2 Consult factory when using RELOC® wiring.
- 3 Sensors have automatic timer to keep fixture in high mode for 20 minutes after start-up.
- 4 277V control relay for 277V sensor applications only. 50% light output.

ACCESSORIES/CONFIGURATIONS				
ORDER SEPARATELY				
	NOMENCLATURE	DESCRIPTION	SYSTEM FOR 120V AC (ONE COMPONENT)	SYSTEM FOR 208/240/277/347/480V AC (ONE COMPONENT)
MANUAL CONTROLS	KWTD	Time delay control, manually switched. Automatic timer keeps fixtures in high mode for 15 minutes after start-up. ¹	■ ⁴	
	KWTXTD	Control voltage transformer with time delay. Steps supply voltage down for 120V control. Automatic timer keeps fixture in high mode for 15 minutes after start-up. ¹		■ ⁴
MOTION SENSOR CONTROLS	KWIR	Passive infrared motion sensor. ^{2,3}	■ ^{4,5}	■ ⁴
	KWIR LT	Passive infrared motion sensor, low temperature (-30°C). ^{2,3}	■ ^{4,5}	■ ⁴
	KWIR WA	Passive infrared motion sensor, wide angle. ^{2,3}	■ ^{4,5}	■ ⁴
	KWTX	Control voltage transformer. Steps supply voltage down for 120V control.		■ ⁴
PHOTOTCELL CONTROLS	KWPC	Photocell.	■ ⁴	■ ⁴
	KWTD	Time delay control. Automatic timer keeps fixture in high mode for 15 minutes after start-up.	■ ⁴	
	KWTXTD	Control voltage transformer with time delay. Steps supply voltage down for 120V control. Automatic timer keeps fixture in high mode for 15 minutes after start-up. ¹		■ ⁴

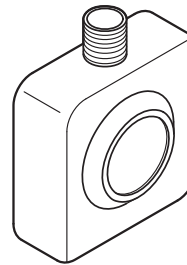
■ = Accessory available.



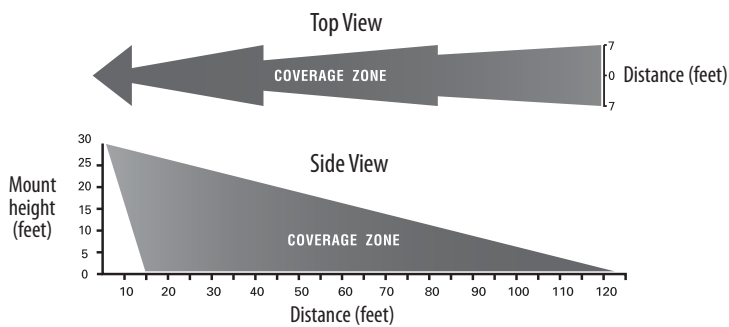
KWTD/KWTXTD



KWIR



KWPC



KWIR-WA Motion Detector Coverage

The sensor coverage shown is under ideal conditions.

Consult specification sheets for specific information.

The KWIR-WA mounted at 8' has coverage zone of 120° and distance of 40'.

Notes

- 1 Manual control switches and wall boxes by others.
- 2 Consult factory when using with RELOC® wiring.
- 3 Sensors have automatic timer to keep fixture in high mode for 20 minutes after start-up.
- 4 Must add KW1 or KW150 to fixture description – 120V control.
- 5 Must add KW4 or KW450 to fixture description – 277V control.

PRODUCT INFORMATION

KILOWATCH® II

**Intended Use**

The KiloWatch® II integral sensor system provides individual luminaire dual-level lighting control for maximum energy savings and flexibility. Each luminaire contains an integral sensor that mounts directly to the reflector. Application opportunities include warehouses or select storage areas within manufacturing facilities. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

System Features

Integral passive infrared motion sensor mounts to the reflector and connects to the ballast housing with

flexible metal conduit to control one luminaire based on occupancy. Sensor detects moving temperature differentials against background radiation. When motion is detected, luminaire is switched to high mode for 1.25 to 20 minutes (field adjustable) after motion no longer is detected. Sensor includes timing circuit for automatic high-mode start-up of lamp for 20 minutes. A self-timing, 100-hour high-mode burn function is field-activated for initial operation of a new lamp.

Sensor is designed for use in indoor applications with 15' to 45' mounting heights. Sensor provides 360° of coverage within the luminaire's lighting distribution. Standard

operating temperature range from 14°F to 131°F (-10°C to 55°C). Low temperature option (LT) range from -40°F to 131°F (-40°C to 55°C).

KiloWatch II options only are available with SCWA ballast configurations. The desired option must be designated at the end of the catalog number.

TH/TX Series with KW1S option: Reduces wattage by 50%. (Light output reduces by 70-80%.) Luminaire supplied with motion sensor control and sensor mounting bracket.

TH/TX Series with KW1S LT option: Reduces wattage by 50%. (Light output reduces by 70-80%.) Luminaire supplied with motion sensor control for low temperature and sensor mounting bracket.

SE/SH/SX/SPG Series with ISM option: Reduces wattage by 50%. (Light output reduces by 70-80%.) Luminaires supplied with motion sensor control and sensor mounting bracket. For GEB electronic ballast only.

Listings

UL Listed to U.S. and Canadian safety standards. Not for use with dual-wattage rated lamps. Lamp manufacturer requires 100 hours high-mode burn-in of new lamps prior to low-mode operation and 15 to 20 minutes of high-mode operation thereafter upon start-up.



ORDERING INFORMATION

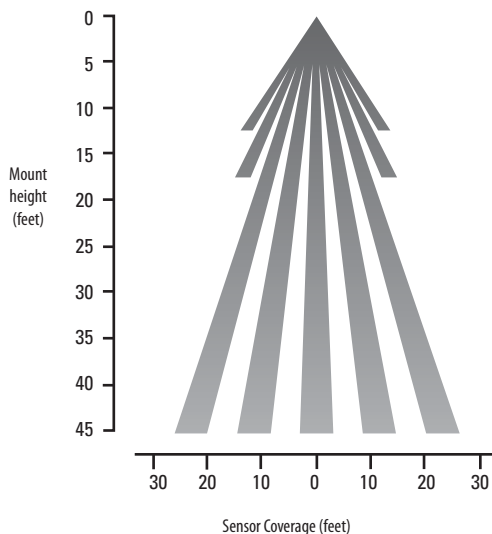
Lead times will vary depending on options. Consult with your sales representative.

Example: TH 400MP PA22 120 SCWA KW1S

Series	Lamp type	Reflector	Voltage	Ballast	Options				
SE	High pressure sodium ¹	Protected metal halide	Metal halide	E17	A20	120	HEB	Electronic ballast	For options and accessories, see pages 433-439.
SH	175MP	175M	E22	A125	208		Pulse start metal halide		
SPG	150S	200MP	200M	A15	A165	240	SCWA	Super constant wattage autotransformer	
SX	250S	250MP	250M	A16	PA16	277		Non-EISA ballast	
TE	400S	320MP	320M	A17	PA22	347		(blank) CWA ²	
TH	1000S	350MP	350M	A22	PA22C	480			
TX	400MP	400M	A14	PA25ALE	TVOLT				
	450MP	450M	A26	PA25D					
	1000MP	1000M	A30	PA22GLE					
			A23	PA22N					

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

**Notes**

- Not available in steel housing.
- For shipments outside U.S. territories only. 175-450W metal halide only.

Protected Sockets

Mogul Lamp Socket and Metal Halide Mogul Lamp Base Differences

Lithonia Lighting only accepts orders for indoor metal halide products that can use either ANSI Type-E (enclosed) or ANSI Type-S (suitable) rated lamps if those fixtures also have a tempered glass lens. This means **all indoor metal halide products with open reflectors OR with acrylic or polycarbonate lenses are only available with protected (pink) sockets.**

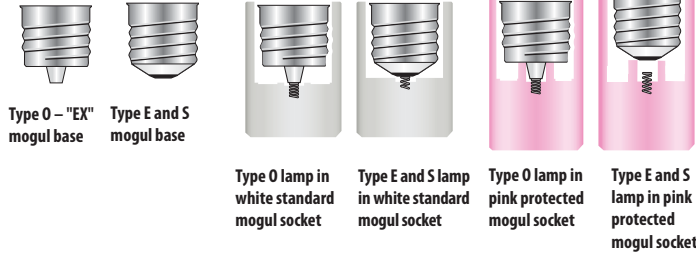
ANSI Type E – Type E metal halide lamps are enclosed-rated and only suitable for enclosed luminaires that have a glass lens or plastic lens rated for arc tube containment. These lamps have a standard mogul base design with a broad contact point as shown. Typical for 175-1500W metal halide lamps.

ANSI Type S – Type S metal halide lamps are rated suitable for use in enclosed luminaires or in open luminaires if certain lamp manufacturer operating conditions are followed. These lamps have a standard mogul base design with a broad contact point as shown. The Type S lamp rating is currently applied to metal halide lamps 350W or greater for replacement of existing lamps.

ANSI Type O – Type O metal halide lamps are open-rated protected lamps for use in open or enclosed luminaires. These lamps have "EX" style exclusionary bases designed specifically for operation with pink protected sockets. The mogul bases of these lamps have a narrow contact point designed for protected lamp sockets. Type O lamps most commonly have a cylindrical quartz barrier around the arc tube while some ceramic metal halide arc tubes are wrapped with wire. Typical for 175-1500W metal halide lamps.

Standard Mogul Base Sockets – Standard sockets are constructed of porcelain and are white in color. The center contact tab will accept ANSI Type E, S and O rated lamps. These sockets will continue to be used for metal halide HID lamps in indoor luminaires with enclosed optics.

Protected Mogul Base Sockets – Protected sockets are constructed of porcelain and are pink in color. The center contact tab is surrounded by a barrier that excludes ANSI Type E and S lamps by preventing contact between the center pin on the lamp base and center tab on the lamp socket. Type O rated lamps have a narrow center pin that fits in the barrier to make contact with the center tab. These sockets will be required for indoor HID metal halide luminaires with open optics to comply with 2005 NEC.



Fixture Weights

HOUSING	LAMP TYPE	REFLECTOR	WEIGHT (LBS)
TPG	150S, 200S, 250S, 400S	PG16	34
TPG	400S, 1000S	PG21	55
TPG	400M	PG16	34
TPG	400M, 1000M	PG21	55
TPG	150S, 200S, 250S, 400S	PG16A	36.2
TPG	400S, 1000S	PG21A	55
TPG	400M	PG16A	36.2
TPG	400M, 1000M	PG21A	55
TPGE	150S, 200S, 250S, 400S	PG16GLE	36.8
TPGE	400S, 1000S	PG21GLE	55
TPGE	175M, 250M, 400M	PG16GLE	36.8
TPGE	400M, 1000M	PG21GLE	55
TPGE	150S, 200S, 250S, 400S	PG16AGLE	38.8
TPGE	400S, 1000S	PG21AGLE	55
TPGE	175M, 250M, 400M	PG16AGLE	38.8
TPGE	400M, 1000M	PG21AGLE	55
TXF	250S	PA25ALEF	37
TXF	250S	A30F	29.5
TXF	400S	PA25ALEF	37
TXF	400S	A30F	29.5
TXF	250M	PA25ALEF	37
TXF	250M	A30F	29.5
TXF	400M	PA25ALEF	37
TXF	400M	A30F	29.5
TGR	70S		14
TGR	100S		14
TGR	150S		14
TGR	100M		14
TGL	70S		15
TGL	100S		15
TGL	150S		15
TGL	100M		15
TGL	175M		15
TGL	250M		15

HOUSING	LAMP TYPE	REFLECTOR	WEIGHT (LBS)
TX	250S	PA22GLE	35.8
TX	250S	PA25ALE	39
TX	400S	PA22GLE	35.8
TX	400S	PA25ALE	39
TX	250M	PA22GLE	35.8
TX	250M	PA25ALE	39
TX	400M	PA22GLE	35.8
TX	400M	PA25ALE	39
TX	250S	PA22C	31
TX	250S	PA25D	34
TX	400S	PA22C	31
TX	400S	PA25D	34
TX	250M	PA22C	31
TX	250M	PA25D	34
TX	350M	PA22C	31
TX	350M	PA25D	34
TX	400M	PA22C	31
TX	400M	PA25D	34
TX	50S, 70S, 100S	A20	17
TX	150S, 200S, 250S	A20	17
TX	250S, 400S	A26	32
TX	100M, 175M, 250M	A20	17
TX	250M, 400M	A26	32
TX	250S, 400S	A30	25.5
TX	250S, 400S	A23	21
TX	250M, 400M	A23	21
TX	70S, 100S, 150S	A125	23
TX	200S, 250S	A1250B	23
TX	200S, 250,	A165	30
TX	400S	A1650B	30
TX	100M	A125	23
TX	100M, 175, 250M	A165	30
TX	400M	A1650B	30
TX	70S, 100S, 150S	A121	23
TX	200S, 250S	A1210B	23
TX	200S, 250S	A162	30
TX	400S	A1620B	30
TX	100M	A121	23
TX	100M, 175M, 250M	A162	30
TX	400M	A1620B	30

HOUSING	LAMP TYPE	REFLECTOR	WEIGHT (LBS)
TH	250S	PA22N	31
TH	400S	PA22	31
TH	400S	PA22N	31
TH	1000S	PA25	48
TH	175M	PA22E	25
TH	250M	PA22E	25
TH	400M	PA22	31
TH	400M	PA22L	31
TH	400M	PA22N	31
TH	1000M	PA25	48
TH	70S, 100S, 150S	A17	25
TH	250S, 400S	A17	25
TH	1000S	A22	56
TH	400M	A17	25
TH	1000M	A22	56
TH	70S, 100S, 150S	A16	24.2
TH	250S, 400S	A16	24.2
TH	175M	A16	24.2
TH	250M	A16	24.2
TH	400M	A16	24.2
TH	250S	A16GL	25
TH	400S	A16GL	25
TH	175M	A16GL	25
TH	200M	A16GL	25
TH	250M	A16GL	25
TH	400M	A16GL	25
TH	250S	A15	21
TH	400S	A15	21
TH	400M	A15	21
TH	150S	A14	27
TH	200S	A14	27
TH	250S	A14	27
TH	400S	A14	27
TH	400M	A14	27
TE	70S, 100S, 150S, 200S	E17	31
TE	250S, 400S	E17	31
TE	400S, 1000S	E22	50
TE	175M, 250M, 400M	E17	31
TE	400M, 1000M	E22	50

HIGH BAYS (ADJUSTABLE)				
HOUSING	REFLECTOR	WATTAGE	STANDARD BALLAST	S/MH*
SH	A14	400MP	GEB	2.4
SH	A15	400MP	GEB	1.7
SH	A16, A16GL	400MP	GEB	1.2 - 1.9
SH	PA22	400MP	GEB	1.2 - 2.1
SH	PA22N	400MP	GEB	0.8 - 2.1
TH	A14	150S	HX-HPF	2.7
TH	A14	200S	HX-HPF	2.5
TH	A14	250S	CWA	2.5
TH	A14	400S	CWA	2.5
TH	A14	400MP	SCWA	2.4
TH	A15	250S	CWA	1.5
TH	A15	400S	CWA	1.5
TH	A15	400MP	SCWA	1.7
TH	A16, A16GL	70S	HX-HPF	0.9 - 1.8
TH	A16, A16GL	100S	HX-HPF	0.9 - 1.8
TH	A16, A16GL	150S	HX-HPF	0.9 - 1.8
TH	A16, A16GL	200S	CWA	1.1 - 1.9
TH	A16, A16GL	250S	CWA	1.1 - 1.9
TH	A16, A16GL	400S	CWA	1.1 - 1.9
TH	A16, A16GL	175MP	SCWA	1.2 - 2.1
TH	A16, A16GL	250MP	SCWA	1.2 - 2.1
TH	A16, A16GL	400MP	SCWA	1.2 - 1.9
TH	A17	70S	HX-HPF	0.9 - 1.8
TH	A17	100S	HX-HPF	0.9 - 1.8
TH	A17	150S	HX-HPF	0.9 - 1.8
TH	A17	200S	CWA	0.8 - 2.0
TH	A17	250S	CWA	0.8 - 2.0
TH	A17	400S	CWA	0.8 - 1.9
TH	A17	400MP	SCWA	0.8 - 1.8
TH	A22	1000S	CWA	0.8 - 1.6
TH	PA22N	250S	CWA	0.8 - 2.0
TH	PA22N	400S	CWA	0.8 - 2.0
TH	PA22N	400MP	SCWA	0.8 - 2.1
TH	PA22	400S	CWA	1.3 - 2.0
TH	PA22	400MP	SCWA	1.2 - 2.1
TH	PA22E	175MP	SCWA	1.3 - 2.0
TH	PA22E	250MP	SCWA	1.3 - 2.0
TH	PA25	1000S	CWA	1.3 - 2.2
TH	PA25	1000M	CWA	1.6 - 2.2

HIGH BAYS (NON-ADJUSTABLE)									
HOUSING	REFLECTOR	WATTAGE	STANDARD BALLAST	SPACING TO MOUNTING HEIGHT					
				N	C	M	S	W	
SPG	PG15	320MP	GEB	0.7	1.0	1.3	1.7	2.1	
SPG	PG15	350MP	GEB	0.7	1.0	1.3	1.7	2.1	
SPG	PG15	400MP	GEB	0.7	1.0	1.3	1.7	2.1	
TPG	PG16	150S	HX-HPF	0.7	1.0	1.3	1.7	2.0	
TPG	PG16	200S	CWA	N/A	0.8	1.2	1.6	1.9	
TPG	PG16	250S	CWA	N/A	0.8	1.2	1.6	1.9	
TPG	PG16	400S	CWA	N/A	0.8	1.2	1.7	2.0	
TPG	PG16	400MP	SCWA	0.7	1.0	1.3	1.7	2.0	
TPG	PG21	400S	CWA	N/A	1.1	N/A	N/A	N/A	
TPG	PG21	400MP	SCWA	0.7	N/A	N/A	N/A	N/A	
TPG	PG21	1000S	CWA	N/A	N/A	1.5	N/A	N/A	
TPG	PG21	1000M	CWA	N/A	0.9	N/A	N/A	N/A	
TPG	PG16A	150S	HX-HPF	0.7	0.8	1.1	1.4	1.6	
TPG	PG16A	200S	CWA	N/A	0.8	1.3	1.7	2.0	
TPG	PG16A	250S	CWA	N/A	0.8	1.3	1.7	2.0	
TPG	PG16A	400S	CWA	N/A	1.2	1.4	1.7	2.0	
TPG	PG16A	400MP	SCWA	0.7	1.0	1.3	1.7	2.1	
TPG	PG21A	400S	CWA	N/A	1.1	N/A	N/A	N/A	
TPG	PG21A	400MP	SCWA	0.8	N/A	N/A	N/A	N/A	
TPG	PG21A	1000S	CWA	N/A	N/A	1.6	N/A	N/A	
TPG	PG21A	1000M	CWA	N/A	1.2	N/A	N/A	N/A	
TPGE	PG16GLE	150S	HX-HPF	N/A	0.9	1.3	1.5	1.8	
TPGE	PG16GLE	200S	CWA	N/A	0.9	1.5	1.7	2.0	
TPGE	PG16GLE	250S	CWA	N/A	0.9	1.5	1.7	2.0	
TPGE	PG16GLE	400S	CWA	N/A	0.8	1.3	1.7	2.2	
TPGE	PG16GLE	175MP	SCWA	0.6	0.8	1.3	1.6	1.9	
TPGE	PG16GLE	250MP	SCWA	0.6	0.8	1.3	1.6	1.9	
TPGE	PG16GLE	400MP	SCWA	0.7	0.9	1.3	1.6	1.9	
TPGE	PG21GLE	400S	CWA	N/A	1.0	N/A	N/A	N/A	
TPGE	PG21GLE	400MP	SCWA	0.9	N/A	N/A	N/A	N/A	
TPGE	PG21GLE	1000S	CWA	N/A	1.4	N/A	N/A	N/A	
TPGE	PG21GLE	1000M	CWA	N/A	1.2	N/A	N/A	N/A	
TPGE	PG16AGLE	150S	HX-HPF	N/A	0.8	1.2	1.5	1.8	
TPGE	PG16AGLE	200S	CWA	N/A	1.6	1.8	2	2.2	
TPGE	PG16AGLE	250S	CWA	N/A	1.6	1.8	2	2.2	
TPGE	PG16AGLE	400S	CWA	N/A	1.0	N/A	N/A	N/A	
TPGE	PG16AGLE	175MP	SCWA	N/A	1.3	1.5	1.7	2.0	
TPGE	PG16AGLE	250MP	SCWA	N/A	1.3	1.5	1.7	2.0	
TPGE	PG16AGLE	400MP	SCWA	0.8	1.2	1.4	1.6	1.9	
TPGE	PG16AGLE	400S	CWA	N/A	1.0	N/A	N/A	N/A	
TPGE	PG16AGLE	400MP	SCWA	0.8	N/A	N/A	N/A	N/A	
TPGE	PG16AGLE	1000S	CWA	N/A	0.8	N/A	N/A	N/A	
TPGE	PG16AGLE	1000M	CWA	N/A	1.1	N/A	N/A	N/A	
TE	E17	70S	HX-HPF	N/A	1.0	1.3	1.5	1.9	
TE	E17	100S	HX-HPF	N/A	1.0	1.4	1.5	1.9	
TE	E17	150S	HX-HPF	N/A	1.0	1.3	1.6	1.8	
TE	E17	200S	CWA	0.8	1.1	1.3	1.5	1.9	
TE	E17	250S	CWA	0.8	1.1	1.3	1.5	1.9	
TE	E17	400S	CWA	N/A	N/A	1.2	1.5	1.9	
TE	E17	175MP	SCWA	N/A	1.0	1.4	1.6	2.0	
TE	E17	250MP	SCWA	N/A	1.0	1.3	1.6	1.9	
TE	E17	400MP	SCWA	N/A	N/A	1.4	1.6	1.9	
TE	E22	400S	CWA	0.8	1.1	N/A	N/A	N/A	
TE	E22	400MP	SCWA	0.8	1.0	N/A	N/A	N/A	
TE	E22	1000S	CWA	0.8	1.0	N/A	N/A	N/A	
TE	E22	1000M	CWA	N/A	N/A	1.0	1.3	1.6	

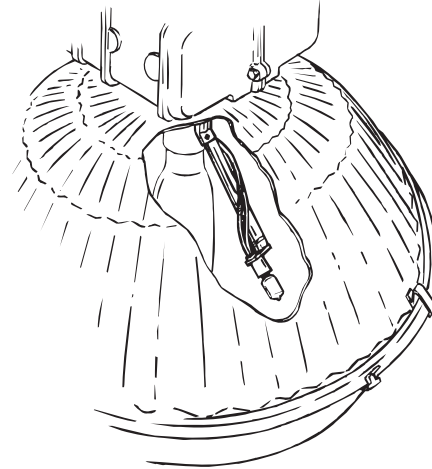
LOW BAYS				
HOUSING	REFLECTOR	WATTAGE	STANDARD BALLAST	S/MH*
SX	A23	400MP	GEB	1.7
TX	A20	50S	HX-HPF	1.9
TX	A20	70S	HX-HPF	1.8
TX	A20	100S	HX-HPF	1.9
TX	A20	150S	HX-HPF	1.9
TX	A20	200S	CWA	1.9
TX	A20	250S	CWA	1.7
TX	A20	100M	HX-HPF	1.8
TX	A20	175MP	SCWA	1.8
TX	A20	250MP	SCWA	1.7
TX	A23	250S	CWA	1.6
TX	A23	400S	CWA	1.6
TX	A23	250MP	SCWA	1.7
TX	A23	400MP	SCWA	1.7
TX	A26	250S	CWA	2.0
TX	A26	400S	CWA	2.0
TX	A26	250MP	SCWA	2.2
TX	A26	400MP	SCWA	2.2
TX	A30	250S	CWA	2.0
TX	A30	400S	CWA	2.0
TX	A30	250MP	SCWA	2.1
TX	A30	400MP	SCWA	2.1
TX	A121	100M	HX-HPF	1.8
TX	A125	70S	HX-HPF	1.8
TX	A125	100S	HX-HPF	1.8
TX	A125	150S	HX-HPF	1.8
TX	A125	200S	CWA	2.7
TX	A125	250S	CWA	2.6
TX	A162	100M	HX-HPF	1.3
TX	A162	175MP	SCWA	1.3
TX	A162	250MP	SCWA	1.3
TX	A162	400MP	SCWA	1.8
TX	A165	200S	CWA	1.9
TX	A165	250S	CWA	2.6
TX	A165	400S	CWA	1.8
TX	PA22GLE	250S	CWA	1.6
TX	PA22GLE	400S	CWA	1.6
TX	PA22GLE	250MP	SCWA	1.7
TX	PA22GLE	400MP	SCWA	1.7
TX	PA25ALE	250S	CWA	1.1
TX	PA25ALE	400S	CWA	1.1
TX	PA25ALE	250MP	SCWA	1.2
TX	PA25ALE	400MP	SCWA	1.2
TX	PA22C	250S	CWA	2.7
TX	PA22C	400S	CWA	2.7
TX	PA22C	250MP	SCWA	3.0
TX	PA22C	350MP	SCWA	2.8
TX	PA22C	400MP	SCWA	2.8
TX	PA25D	250S	CWA	2.4
TX	PA25D	400S	CWA	2.4
TX	PA25D	250MP	SCWA	2.8
TX	PA25D	350MP	SCWA	2.5
TX	PA25D	400MP	SCWA	2.8
TXF	A30F	250S	CWA	2.0
TXF	A30F	400S	CWA	2.0
TXF	A30F	250MP	SCWA	2.1
TXF	A30F	400MP	SCWA	2.1
TXF	PA25ALEF	250S	CWA	1.1
TXF	PA25ALEF	400S	CWA	1.1
TXF	PA25ALEF	250MP	SCWA	1.2
TXF	PA25ALEF	400MP	SCWA	1.2
TGL	A165	70S	HX-HPF	2.3
TGL	A165	100S	HX-HPF	2.3
TGL	A165	150S	HX-HPF	2.3
TGL	A165	100M	HX-HPF	1.2
TGL	A165	175MP	SCWA	1.7
TGL	A165	250MP	SCWA	1.7
TGR	A125	70S	HX-HPF	1.8
TGR	A125	100S	HX-HPF	1.7
TGR	A125	150S	HX-HPF	1.8
TGR	A125	100M	HX-HPF	1.7
TGR	A125	175MP	SCWA	1.8

* Spacing to mounting height.

See Options & Accessories table on page 439 for compatibility.

Quartz Lamp Options

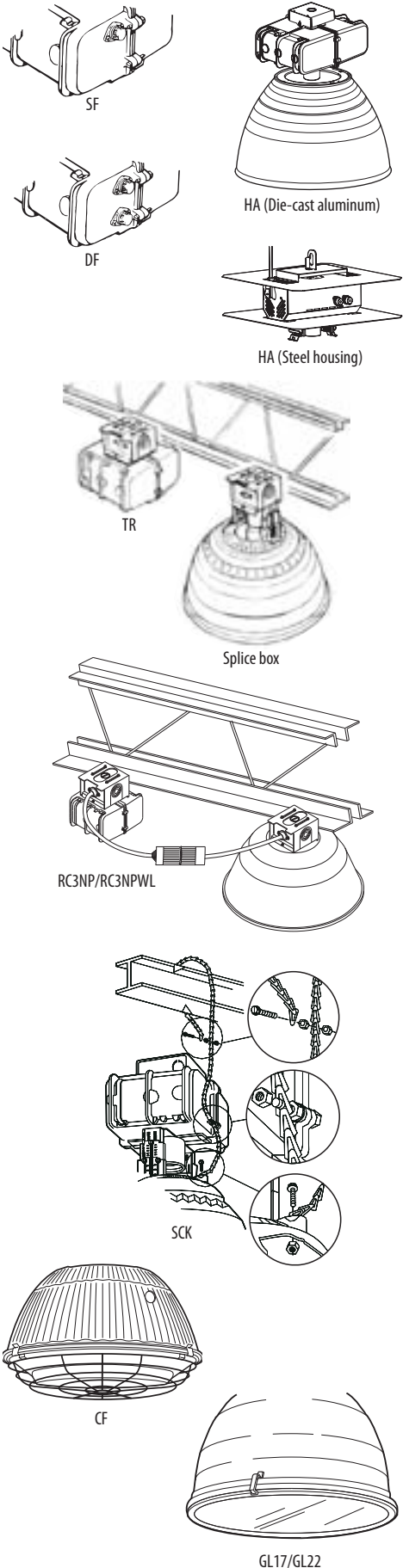
- EC *Emergency circuit.* Factory-installed, double-contact, 120V bayonet-base quartz socket with socket leads for use with separate external emergency power system. Reference Quartz Lamp Wattage table for maximum wattage. 120V quartz lamp not included.
- QRS *Quartz restrike system.* Factory-installed, double-contact, bayonet-base quartz socket with socket leads. Automatically switches quartz lamp on if there is a power interruption or brownout significant enough to cause the primary HID lamp to drop out. The quartz lamp stays on until the HID fixture restrikes. QRS does not energize during cold start of HID luminaires. Wiring for the quartz lamp is internal to the ballast assembly; the ballast supplies voltage required to operate the quartz lamp. The fixture must be energized for quartz lamp to operate. Reference Quartz Lamp Wattage table for maximum wattage. 120V quartz lamp not included.
- QRSTD *Quartz restrike system time delay.* Factory-installed, double-contact, bayonet-base quartz socket with socket leads. Functions same as QRS, but quartz lamp energizes under hot and cold starting conditions. Quartz lamp will come on when luminaire is energized and remain on for two minutes after startup or restrike. Wiring for the quartz lamp is internal to the ballast assembly; the ballast supplies voltage required to operate the quartz lamp. The fixture must be energized for quartz lamp to operate. Reference Quartz Lamp Wattage table for maximum wattage. 120V quartz lamp not included.



EC/QRS/QRSTD

QUARTZ LAMP WATTAGE TABLE														
(Maximum rating for EC, QRS and QRSTD options)														
HID MAX WATTAGE	QUARTZ MAXIMUM WATTAGE													
	TE E17 E22	TH A14 A15 A16 A17 A22 SH A15 A16	TH A16GL	TH PA22 PA22N SH PA22	TH PA22L PA22E	TH PA25	TX PA22GLE PA22C PA25D PA25ALE TXF PA25ALEF SX PA22GLE	TX A20 A23 A26 A30TXF A30F SX A23	TX A162 A165	TGR TGL	TPG PG16 PG21 PG16A PG21A SPG PG15	TPGE PG16GLE PG21GLE	TPGE PG16AGLE PG21AGLE	TX A121 A125
150M	N/A	N/A	N/A	N/A	N/A	N/A	100	100	100	100	N/A	N/A	N/A	100
175M	100	100	100	150	150	150	150	150	100	100	150	150	150	N/A
200M	150	150	100	150	150	150	150	150	100	N/A	150	150	150	N/A
250M	250	250	100	250	150	150	150	250	100	N/A	250	150	150	N/A
300M	250	250	100	250	150	150	150	250	100	N/A	250	150	150	N/A
320M	250	250	100	250	150	150	150	250	100	N/A	250	150	150	N/A
350M	250	250	100	250	150	150	150	250	100	N/A	250	150	150	N/A
400M	250	250	100	250	150	150	150	250	100	N/A	250	150	150	N/A
450M	250	250	100	250	150	150	150	250	100	N/A	250	150	150	N/A
750M	250	250	N/A	N/A	N/A	150	N/A	N/A	N/A	N/A	250	150	150	N/A
875M	250	250	N/A	N/A	N/A	150	N/A	N/A	N/A	N/A	250	150	150	N/A
1000M	150	250	N/A	N/A	N/A	150	N/A	N/A	N/A	N/A	250	150	150	N/A
50S	N/A	N/A	N/A	N/A	N/A	N/A	N/A	100	N/A	N/A	N/A	N/A	N/A	100
70S	100	100	N/A	N/A	N/A	N/A	N/A	100	100	100	N/A	N/A	N/A	100
100S	100	100	100	100	100	100	100	100	100	100	100	100	100	100
150S	150	150	150	150	150	150	150	150	100	100	150	100	100	100
200S	150	150	150	150	150	150	150	150	100	100	150	100	100	100
250S	250	250	150	250	150	150	150	250	100	100	250	250	250	100
400S	250	250	150	250	150	150	150	250	100	N/A	250	250	250	N/A
1000S	250	250	N/A	N/A	N/A	150	150	N/A	N/A	N/A	500	250	250	N/A

ORDERING INFORMATION



See Options & Accessories table on page 439 for compatibility.

Ballast Housing Options & Accessories

- SF *Single fuse.* Use with 120V, 277V, 347V. Externally accessible in-line fusing isolates luminaire from circuit. Specify tap voltage if combined with multi-tap ballast (TB1=120V, TB4=277V, TB5=347V) or five-tap ballast (TBV1=120V, TBV4=277V).
- DF *Double fuse.* Use with 208V, 240V, 480V. Externally accessible in-line fusing isolates luminaire from circuit. Specify tap voltage if combined with multi-tap ballast (TB2=208V, TB3=240V) or five-tap ballast (TBV2=208V, TBV3=240V, TBV6=480V).
- HA *High ambient.* Allows the industrial luminaires to be operated in higher ambient temperatures. TX low bay series is 55°C. TH, TE, TPG, TPGE high bay series is 65°C. Large die-cast aluminum ballast housing included for TH, TE, TX, TPG, TPGE. Steel housing SH, SX, SPG series is 55°C and includes external heat shield.
- WL *Wet location label.* Signifies that the luminaire meets all UL requirements for proper, safe operation in environments subject to spray of non-corrosive and nonflammable liquids. Fixture requires rigid pendant mounting or wet location HC3PC3RWT assembly.
- TR *Remote ballast luminaire.* Add TR to end of complete fixture catalog number. Includes ballast housing, optic and appropriate remote optical splice box. Does not include interconnecting wiring. Ballast, optic and splice box ship separately.
- RC3NP *Remote ballast luminaire with pre-wired cord.* Add RC3NP to end of complete fixture catalog number. Includes ballast housing, optic and appropriate remote optical mounting box and 3' of pre-wired cable harness with male and female 20A twist lock plug (C3NP) factory attached. Ballast, optic and splice box ship separately.
- RC3NPWL *Remote ballast luminaire with pre-wired cord for wet location.* Add RC3NPWL to end of complete fixture catalog number. Same as RC3NP except listed for wet location.
- SCK *Safety chain kit.* Kit includes chain and attachment hardware for field installation. Add SCK (5'), SCK84 (7'), SCK120 (10') to fixture catalog number or order separately as SCK (5'), SCK84 (7'), SCK120 (10').

Optic Options & Accessories

- CF *Charcoal filter.* Used with enclosed and gasketed luminaires. Filter prevents particulate contaminants from entering the optical assembly during start-up and cool-down periods. Filter consists of activated charcoal granules freely suspended between multiple layers of polyester filtering material.
- GL17/GL22 *Glass lens for TH A17/A22.* Frequent cleaning maintains performance. (Does not meet UL lamp rupture containment specifications.) RK1 MHINGE U kit must be specified when ordering lens separately for field modification.
- T73 *Corning C73.* Prismatic tempered glass lens.

	SF	DF	HA	WL	TR	RC3NP	RC3NPWL	SCK	CF	GL17/GL22	T73
SHIPS ATTACHED	■	■	■	■					■	■	■
SHIPS SEPARATELY					■	■	■	■		■	

ORDERING INFORMATION

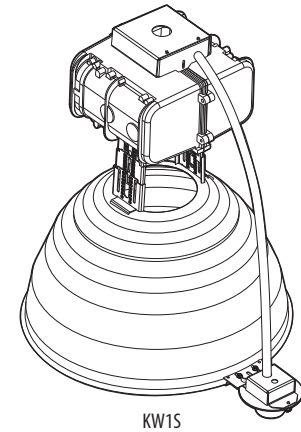
See Options & Accessories table on page 439 for compatibility.

HID Dimming Options

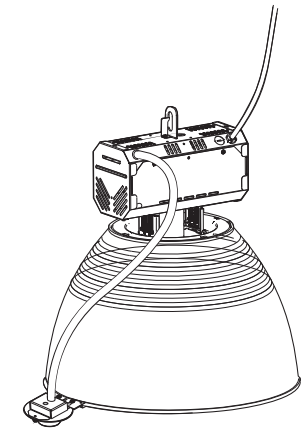
- KW1** *KiloWatch® 50% power reduction. 120V AC control circuit for dual-level control system. Requires additional system components. See KiloWatch® data (pages 428-429) or consult factory.*
- KW4** *KiloWatch® 50% power reduction. 277V AC control circuit for dual-level control system. Requires additional system components. See KiloWatch® data (pages 428-429) or consult factory.*
- KW150** *KiloWatch® 50% lumen reduction. 120V AC control circuit for dual-level control system. Requires additional system components. See KiloWatch® data (pages 428-429) or consult factory.*
- KW450** *KiloWatch® 50% lumen reduction. 277V AC control circuit for dual-level control system. Requires additional system components. See KiloWatch® data (pages 428-429) or consult factory.*
- KW1S** *KiloWatch® II 50% power reduction. Integral sensor unit for individually controlled dual-level system. See KiloWatch® II data (page 430) or consult factory.*
- KW1SLT** *KiloWatch® II 50% power reduction for low temperature. Integral low temperature sensor unit for individually controlled dual-level system. See KiloWatch® II data (page 430) or consult factory.*
- ISM** *Individually sensed motion detector. 50% power reduction for individually controlled HEB electronic dimming ballast. Consult factory for details.*

Cord Mounting Options & Accessories

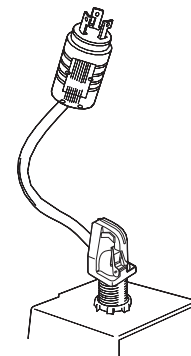
- HC3P** *Hook, 3' cord and NEMA twist-lock plug. For use where receptacle and support means are provided by others. Includes die-cast aluminum hook, 3' of 16-gauge, 105°C cord and NEMA configuration twist-lock plug. Add HC3P to fixture catalog number for factory installed or order separately as HC3P Lx-xxP (Lx-xxP denotes plug configuration. Specify from NEMA Plug Table below). Height 3-1/2".*
- HC3KP** *Hook, 3' cord and NEMA twist-lock plug for KiloWatch®. Identical in function to HC3P except with NEMA L23-20P plug configuration for KiloWatch®.*
- LC3P** *Loop, 3' cord and NEMA twist-lock plug. For use where receptacle and support means are provided by others. Includes die-cast aluminum loop, 3' of 16-gauge, 105°C cord and NEMA configuration twist-lock plug. Add LC3P to fixture catalog number for factory installed or order separately as LC3P Lx-xxP (Lx-xxP denotes plug configuration. Specify from NEMA Plug Table below). Height 3-1/2".*
- LC3KP** *Loop, 3' cord and NEMA twist-lock plug for KiloWatch®. Identical in function to LC3P except with NEMA L23-20P plug configuration for KiloWatch®.*



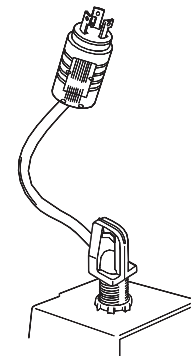
KW1S



ISM



HC3P/HC3KP

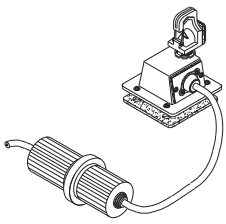


LC3P/LC3KP

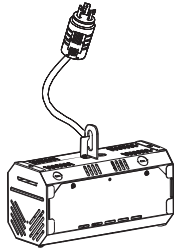
NEMA PLUG TABLE							
OPTIONS (SHIP ATTACHED)				ACCESSORIES (SHIP SEPARATELY)			
HOOK 3' CORD AND PLUG	LOOP 3' CORD AND PLUG	VOLTAGE	TB BALLAST	TBV BALLAST	CATALOG NUMBER	NEMA PLUG CONFIGURATION	AMP RATING
HC3P	LC3P	120	TB1	TBV1	HC3P L5-15P	L5-15P	15
HC3P	LC3P	208	TB2	TBV2	HC3P L6-15P	L6-15P	15
HC3P	LC3P	240	TB3	TBV3	HC3P L6-15P	L6-15P	15
HC3P	LC3P	277	TB4	TBV4	HC3P L7-15P	L7-15P	15
HC3P	LC3P	347	TB5	N/A	HC3P L37-20P	L37-20P	20
HC3P	LC3P	480	N/A	TBV6	HC3P L8-20P	L8-20P	20
HC3P20	LC3P20	120	TB1	TBV1	HC3P L5-20P	L5-20P	20
HC3P20	LC3P20	208	TB2	TBV2	HC3P L6-20P	L6-20P	20
HC3P20	LC3P20	240	TB3	TBV3	HC3P L6-20P	L6-20P	20
HC3P20	LC3P20	277	TB4	TBV4	HC3P L7-20P	L7-20P	20

	KW1	KW4	KW150	KW450	KW1S	KW1SLT	ISM	HC3P	HC3KP	LC3P	LC3KP
SHIPS ATTACHED	■	■	■	■	■	■	■	■	■	■	■
SHIPS SEPARATELY								■		■	

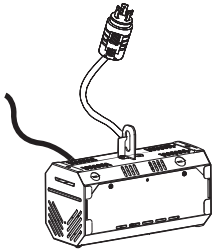
ORDERING INFORMATION



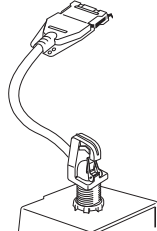
HC3PC3RWT



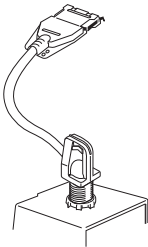
SC3P



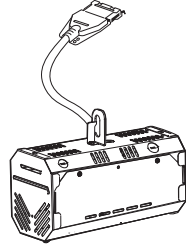
SC3PD



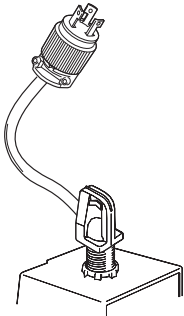
HOCS



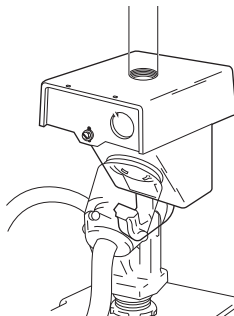
LOCS



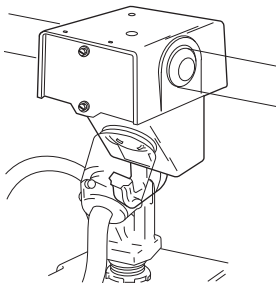
OCS



LCPP/LCKPP



PPH/PPHKR



TPH/TPHKR

See Options & Accessories table on page 439 for compatibility.

Cord Mounting Options & Accessories (continued)

- HC3PC3RWT** Hook, 3' cord, NEMA twist-lock and receptacle for wet location. For use where support means are provided by others. Includes grommeted die-cast aluminum safety hook, 3' of 16-gauge, 105°C cord and NEMA twist-lock 20A plug and compatible NEMA receptacle.
- SC3P** Steel hook, 3' cord and NEMA twist-lock plug. Used on steel ballast housing only. For use where receptacle and support means are provided by others. Includes steel hook, 3' of 16-gauge, 105°C cord and NEMA configuration twist lock plug. 15A plug standard for 120V, 208V, 240V, 277V; 20A plug standard for 347V, 480V. Height 2-5/8".
- SC3PD** Steel hook, 3' cord with NEMA twist-lock plug and 3' low voltage cord. Same as SC3P with 3' of low voltage control cord for 0-10VDC dimming. Used on steel ballast housing with GEB electronic ballast only.

RELOC® Mounting Options

- HOCS** Hook, cord and RELOC OCS connector. For use where support means are provided by others. Requires RELOC wiring system. Includes die-cast aluminum hook, 5' of 16-gauge, 105°C white cord and Lithonia RELOC module. Allows the desired hot conductors needed to energize the fixture to be selected in the field. Allows fixture to be removed from line without interruption of branch circuit. Factory prewired. Height 3-1/2". In Canada, available in 120V or 347V only. To order, specify voltage. For additional information, see RELOC OCS component on page 495.
- LOCS** Loop, cord and RELOC OCS connector. For use where support means are provided by others. Requires RELOC wiring system. Includes die-cast aluminum loop, 5' of 16-gauge, 105°C white cord and Lithonia RELOC module. Allows the desired hot conductors needed to energize the fixture to be selected in the field. Allows fixture to be removed from line without interruption of branch circuit. Factory prewired. Height 3-1/2". In Canada, available in 120V or 347V only. To order, specify voltage. For additional information, see RELOC OCS component on page 495.
- OCS** Hook, cord and RELOC OCS connector. For use where support means are provided by others. Requires RELOC wiring system. Includes steel hook, 5' of 16-gauge, 105°C white cord and Lithonia RELOC module. For SH/SX/SPG steel housing only. Allows the desired hot conductors needed to energize the fixture to be selected in the field. Allows fixture to be removed from line without interruption of branch circuit. Factory prewired. Height 3-1/2". In Canada, available in 120V or 347V only. To order, specify voltage. For additional information, see RELOC OCS component on page 495.

	HC3PC3RWT	SC3P	SC3PD	HOCS	LOCS	OCS
SHIPS ATTACHED	■	■	■	■	■	■

Power Hook Options & Accessories

- LCPP** Loop, cord and plug. Use with PPH and TPH only. Includes loop, 14" of 16-gauge, 105°C cord and twist-lock 14A non-NEMA plug configuration for power hooks. Receptacle is part of PPH or TPH accessory. Add LCPP to fixture catalog number for factory installed or order separately as LCPP.
- LCKPP** Loop, cord and plug for KiloWatch®. Use with PPHKR and TPHKR only. Includes loop, 14" of 16-gauge, 105°C cord and twist-lock NEMA L23-20P plug for power hooks for KiloWatch®. Receptacle is part of TPHKR and PPHKR accessory. Factory installed.
- PPH** Pendant power hook. UL listed as primary disconnect, load break device. Threaded 3/4" top entry. **Fixture requires LCPP option (loop, cord and plug).** Add PPH to fixture catalog number or order separately as PPH xxx. (xxx – denotes voltage. Specify 120, 208, 240, 277, 347, 480.) Height 5-1/8"; width and depth 4-1/2".
- PPHKR** Pendant power hook for KiloWatch® system. UL listed as primary disconnect, load break device. Threaded 3/4" top entry. **Fixture requires LCKPP option (loop, cord and plug for KiloWatch® system).** Add PPHKR to fixture catalog or order separately as PPHKR xxx. (xxx – denotes voltage. Specify 120, 208, 240, 277, 347, 480.) Height 5-1/8"; width and depth 4-1/2".
- TPH** Through-wire power hook. UL listed as primary disconnect, load break device. Permits side entry for 1-1/4" or 3/4" conduit through concentric knockouts. **Fixture requires LCPP option (loop, cord and plug).** Add TPH to fixture catalog number or order separately as TPH xxx. (xxx – denotes voltage. Specify 120, 208, 240, 277, 347, 480.) Height 6-1/4"; width and depth 4-1/2".
- TPHKR** Through-wire power hook for KiloWatch® system. UL listed as primary disconnect, load break device. Permits side entry for 1-1/4" or 3/4" conduit through concentric knockouts. **Fixture requires LCKPP option (loop, cord and plug for KiloWatch® system).** Add TPHKR to fixture catalog or order separately as TPHKR xxx. (xxx – denotes voltage. Specify 120, 208, 240, 277, 347, 480.) Height 6-1/4"; width and depth 4-1/2".

	LCPP	LCKPP	PPH	PPHKR	TPH	TPHKR
SHIPS ATTACHED	■	■				
SHIPS SEPARATELY	■		■	■	■	■

See Options & Accessories table on page 439 for compatibility.

Box Mounting Options & Accessories

- TOB** *Through-wire outlet box.* Combination outlet box and splice compartment. Permits side entry for 1-1/4" or 3/4" conduit or top entry for 3/4" conduit through concentric knockouts. May be suspension- or surface-mounted. Height 2-7/8"; width and depth 4-1/2".
- TOBP** *Through-wire outlet box plug-in.* Provides plug-in flexibility of conventional power hook and reduces overall height. Permits side entry for 1-1/4" or 3/4" conduit through concentric knockouts. Female receptacle part of TOBP box ships separately. Male plug is factory installed to ballast housing. Not rated as a load break device. Height 2-7/8"; width and depth 4-1/2".
- PBP** *Pendant box plug-in.* Pendant-mount plug-in outlet box provides plug-in flexibility of conventional power hook. Female receptacle part of PBP box ships separately. Male plug is factory-installed to ballast housing. Not rated as a load break device. Threaded 3/4" entry permits top entry of pendant stem. Height 4-1/2"; width and depth 4-1/2".
- PSB** *Pendant splice box.* Permits pendant mounting of TG and SH/SX/SPG steel housing series. TG box has 3/4" threaded top entry. SH/SX/SPG box has 3/4" top knockout.
- PM** *Pendant splice box.* Permits pendant mounting of TGL and TGR series. Die-cast aluminum box has 3/4" threaded top entry.

	TOB	TOBP	PBP	PSB	PM
SHIPS ATTACHED	■	■	■	■	■
SHIPS SEPARATELY		■	■		

Wireguards for DuraBay® Prismatic Glass High Bays

- WGPG** *Wireguard for open prismatic glass high bay reflectors.* Use with prismatic glass reflector high bay TPG PG16/PG21 and shrouded prismatic glass reflector high bay TPG PG16A/PG21A. Wireguard covers bottom opening of reflector. Field installed to bottom of reflector. Add WGxxxx to fixture catalog number or order separately as WGxxxx. (xxxxx – denotes reflector. Specify PG16, PG21, PG16A or PG21A.)
- GFWG** *Wireguard for enclosed prismatic glass high bay reflectors.* Use with enclosed prismatic glass reflector high bay TPGE PG16GLE/PG21GLE/PG16AGLE/PG21AGLE. Two-piece wireguard protects top reflector and bottom glass lens door. Top portion field installed to reflector neck casting. Bottom portion factory installed to glass lens door. Add GFWGxx to fixture catalog number or order separately as GFWGxx. (xx – denotes reflector size. Specify 16 or 21.) Optic, top wireguard and lens door with wireguard ship separately.

Wireguards for Acrylume® Prismatic Acrylic High Bays & Low Bays

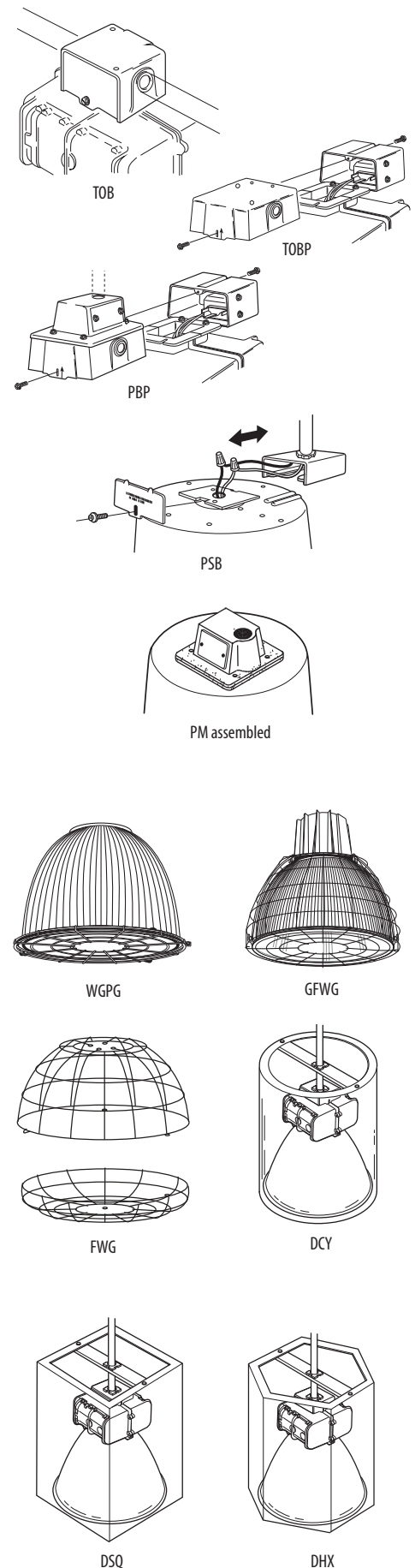
- FWG** *Full wireguard.* Use with the TH high bay or TX low bay Acrylume® fixtures. Attaches to bottom of ballast housing. Ships separately as: FWG U (Unit).

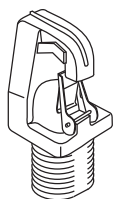
Decorative Shades

FIXTURE SERIES AND SIZE	CYLINDER DCY	SQUARE DSQ	HEXAGONAL DHX	DIAMETER	HEIGHT
TH A16 and TH A17	DCY19 400 (color)	DSQ19 400 (color)	DHX19 400 (color)	19"	30"
TH A17 with WGA, WGG	DCY22 400 (color)	DSQ22 400 (color)	DHX22 400 (color)	22-1/2"	30"
TH A22	DCY24 400 (color)	DSQ24 400 (color)	DHX24 400 (color)	24"	30"
TH A22 with WGA, WGG	DCY26 1000 (color)	DSQ26 1000 (color)	DHX26 1000 (color)	26"	30"
TE E17	DCY22 400 (color)	DSQ22 400 (color)	DHX22 400 (color)	22-1/2"	30"
TE E22	DCY26 1000 (color)	DSQ26 1000 (color)	DHX26 1000 (color)	26"	30"

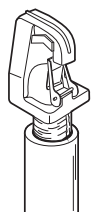
24-gauge steel construction with baked polyester enamel finish. Designed for pendant mounting on rigid conduit only. Not for use on swivel hangers or any self-leveling hanging device. Available in all architectural colors. Custom colors may involve substantial setup fees; consult factory. Mounting and fixture attachment hardware not included.

	WGPG	GFWG	FWG	DCY	DSQ	DHX
SHIPS SEPARATELY	■	■	■	■	■	■

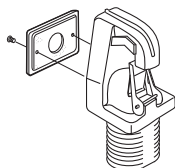




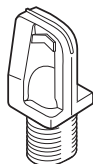
HKM



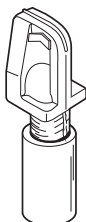
HKF



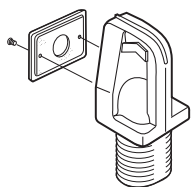
HKMG



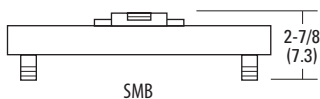
LPM



LPF

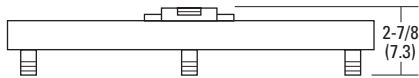


LPMG



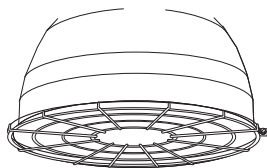
SMB

2-7/8
(7.3)

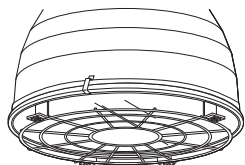


TMB

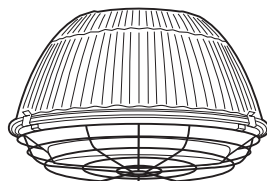
2-7/8
(7.3)



WGA



WGG



WG

See Options & Accessories table on page 439 for compatibility.

Mounting Hooks

- HKM Fixture hook male. Die-cast aluminum construction with spring steel safety clasp. Overall height is 3-3/4" including 1" of threaded nipple. Thread diameter is 3/4".
- HKF Fixture hook female. Die-cast aluminum construction with spring steel safety clasp with coupling added for female entry. Overall height is 5-1/4" including threaded coupling. Thread diameter is 3/4".
- HKMG Fixture hook male grommited. Die-cast aluminum construction with spring steel safety clasp. Gasketed cord exit design keeps dirt from entering hook/cord entry. Overall height is 3-3/4" including 1" of threaded nipple. Thread diameter is 3/4".
- LPM Fixture loop male. Die-cast aluminum construction with closed loop design. Overall height is 3-3/4" including 1" of threaded nipple. Thread diameter is 3/4".
- LPF Fixture loop female. Die-cast aluminum construction with closed loop design with coupling added for female entry. Overall height is 5-1/4" including threaded coupling. Thread diameter is 3/4".
- LPMG Fixture loop male grommited. Die-cast aluminum construction with closed loop design. Gasketed cord exit design keeps dirt from entering loop/cord entry. Overall height is 3-3/4" including 1" of threaded nipple. Thread diameter is 3/4".

Mounting Bars

- SMB Single mounting bar. White painted steel channel with 3/4" pipe couplings suspend remote ballast housing at one end with remote reflector assembly at the other. SMB includes end snap-in closure strips for wire access. Order as SMB18 for 18" (overall length) or SMB24 for 24" (overall length). Center line of pipe couplings are 3" from each end.
- TMB Twin mounting bar. White painted steel channel with 3/4" pipe couplings suspends two complete fixtures, one at each end. Order as TMB30 for 30" (overall length) or TMB48 for 48" (overall length). Centerlines of pipe couplings are 3" from each end.

Wireguards for Hi-Tek® Aluminum High Bays & Low Bays

- WGA Wireguard for Hi-Tek® open aluminum high bay reflectors. Use with TH A15/A16/A17/A22 and SH A15/A16 open aluminum reflector high bays. Add WG to fixture catalog number or order separately as WGxxx. (xxx – denotes reflector. Specify A15, A16, A17, A22.)
- WGG Wireguard for enclosed high bay reflectors. Use with TE E17/E22; TH A17 with GL17/A22 with GL22; TPGE PG16GLE/PG16AGLE/PG21GLE/PG21AGLE reflector high bays. Wireguard is factory installed to glass lens door. Must be ordered with fixture. Add WG to fixture catalog number.
- WG Wireguard for Hi-Tek® aluminum low bays. Use with TX A20/A23/A26/A30 or SX A23. Must be ordered with fixture. Add WG to fixture catalog number. Wireguard is factory attached to lens door. Add WG to fixture catalog number.

	HKM	HKF	HKMG	LPM	LPF	LPMG	SMB	TMB	WGA	WGG	WG
SHIPS ATTACHED										■	■
SHIPS SEPARATELY	■	■	■	■	■	■	■	■	■		

		HIGH BAYS											LOW BAYS																			
		SH A14	SH A15	SH A16	SH PA22	SPG PGT5	TE E17/E22	TH A14	TH A15	TH A16/A16GL	TH A17/A22	TH PA22/PA25	THD A15/A16	TPG	TPGE	SX A23	TGL	TGR	TX A125/A165	TX A20	TX A23	TX A26	TXD A23	TX A30	TXF A30F	TXF PA25/A16F	TX PA22C	TX PA22GLE	TX PA25/A16	TX PA25D		
BALLAST HOUSING	SF	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	DF	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	HA(55°C)						□	□	□	□	□	□	□	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	HA(65°C)												□	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	WL																									□	□					
	TR																															
	RC3NP																															
	RC3NPWL																															
	SCK	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SCK84	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
SCK120	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
OPTIC	CF																															
	GL17/GL22						□																									
	T73																															
QUARTZ LAMP	EC	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	QRS																															
	QRSTD	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
HID DIMMING	KW1						4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	KW4						4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	KW150						4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	KW450						4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	KW15						4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	KW15LT						4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	ISM	■	■	■	■	■																										
CORD MOUNTING	HC3P																															
	HC3KP																															
	LC3P																															
	LC3KP																															
	HC3PC3RWT																															
	SC3P	■	■	■	■	■																										
RELOC MOUNTING	HOCS						3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45		
	LOCS						3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45		
	OCS	■	■	■	■	■																										
POWER HOOK	LCPP																															
	LCKPP																															
	PPH																															
	PPHR																															
	TPH																															
	TPHKP																															
BOX MOUNTING	TOB	■	■	■	■	■																										
	TOBP						3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4		
	PBP						3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4		
	PSB	■	■	■	■	■	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	
MOUNTING HOOKS AND LOOPS	PM																															
	HKM	■	■	■	■	■																										
	HKF	■	■	■	■	■																										
	HKMG	■	■	■	■	■																										
	LPM	■	■	■	■	■																										
	LPF	■	■	■	■	■																										
MOUNTING BARS	LPMG	■	■	■	■	■																										
	SMB18						4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6		
	SMB24						4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6		
	TMB30						4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
WIRE GUARDS	TMB48						4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
	WGA	■	■																													
	WGG						3																									
	WG																															
	WPGG																															
DECORATIVE SHIELDS	GFWG																															
	FWG																															
	DCY						7		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
PAINT	DSQ						7		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
	DHX						7		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
LAMP	CR						8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
	CRT						8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
LAMP	LPI																															
	W/LAMP																															

Notes

- 1 Not available on all wattages and voltages. Consult factory.
- 2 Requires PM option.
- 3 Must specify voltage tap for TB and TBV in catalog number voltage field. (See NEMA PLUG Chart).

- 4 Cannot be combined with WL option.
- 5 Available in 120V or 347V in Canada.
- 6 Requires TR ballast option.
- 7 Pendant mount on rigid conduit. Not for use with any self-leveling hanger.

- 8 Consult factory for environmental compatibility.
- 9 Must be ordered with tempered glass(GL17/GL22) door enclosure.
- 10 Housing only.

□ = Standard
■ = Option available



LITHONIA EMERGENCY SYSTEMS

Lithonia Lighting manufactures a comprehensive selection of exit signs, emergency lighting units, fluorescent battery packs and emergency power systems for a wide range of commercial and industrial applications and special environments. Our extensive product offering includes architectural, commercial and industrial models in a choice of materials and light sources. A substantial range of remote heads, options and accessories also is available.



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PRODUCT INFORMATION

SOLO

SOLO™ Oval



Intended Use
Suitable for architectural applications where aesthetics and superior performance are required.

Construction
Injection-molded acrylic panels, ultrasonically welded to eliminate visible hardware.

Organically shaped features reduces visual disruption. Graphically enhanced letters and mirror background

optical design engineered to minimize light trespassing.

Chevron directional indicators.

Long-life white LEDs feature very low energy consumption and rated life up to 25 years. Dual-voltage input capability (120/277V).

Emergency operation exits use maintenance-free nickel-cadmium battery and self-diagnostics standard.

Recessed mounting. Rough-in section recessed into wall or ceiling for top, back or end mounting capability.

Special wording available; consult factory.

Listings
UL Listed. Meets UL924.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: SOLO W 1 RMR LA SD

Series	Housing	Number of faces	Letter color	Directional indicators	Operation	Mounting	Options
SOLO LED	(blank) Nickel	1 Single	RMR Red on mirror	(blank) No chevrons	(blank) Standard non-emergency	(blank) Ceiling or back	(blank) Complete exit panel and rough-in section
	W White	2 Double	GMR Green on mirror	LA Left ¹	SD Nickel-cadmium battery with self-diagnostics	EM End	PNL Panel assembly only
	B Black			RA Right ¹	X2 Lamps wired on two separate circuits		
	BZ Bronze			LRA Left and right			
				DA Double-face chevrons ²			

ADDITIONAL INFORMATION

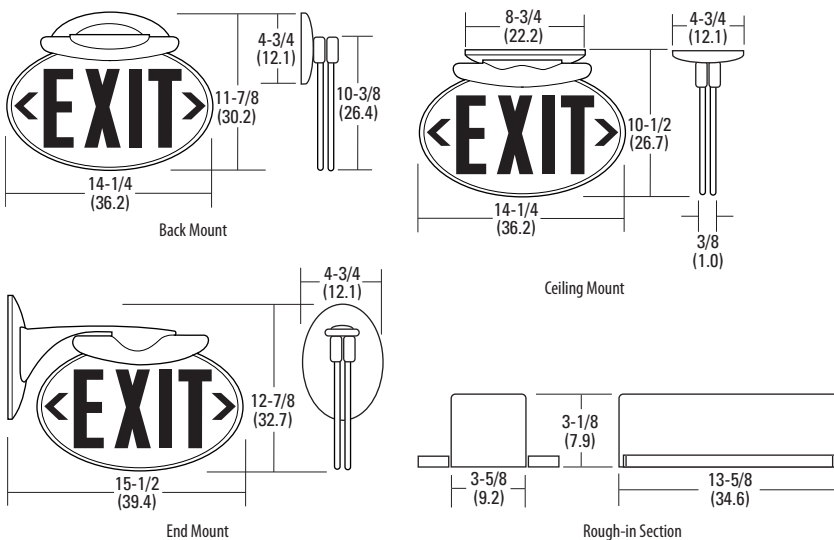
For additional product information, visit www.lithonia.com.

ELECTRICAL APPLICATION DATA				
TYPE	VOLTS	FACES	AMPS	WATTS
Standard LED	120	1	.087	1.5
Standard LED	120	2	.178	3.1
Standard LED	277	1	.089	1.8
Standard LED	277	2	.178	3.4
Emergency LED	120	1	.093	2.3
Emergency LED	120	2	.084	3.2
Emergency LED	277	1	.095	2.7
Emergency LED	277	2	.094	3.9

ACCESSORIES	
ORDER SEPARATELY	
ELA SOLORIS	SOLO rough-in section (supplied standard with fixture unless PNL suffix is specified) ships with mounting hardware only. Order ELA SOLO RIS if needed for rough-in phase of construction.
ELA W SOLOEMK	SOLO end-mount kit (supplied standard with fixtures designated EM). Must specify color.

Specification (add to catalog number)	Graphics	
	Back	Front
LA		
RA		
LRA (single face)		
LRA (double face)		
DA		

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Single-face exits only.
- 2 Double-face exit only.

Intended Use

Suitable for architectural applications where aesthetics and superior performance are required.

Construction

Injection-molded acrylic panels, ultrasonically welded to eliminate visible hardware.

Depth of molded letters increases toward bottom of

panel for better, more uniform illumination. Chevron directional indicators.

Long-life LEDs feature very low energy consumption and rated life up to 25 years.

Emergency operation exits use maintenance-free nickel-cadmium battery.

Recessed mounting. Rough-in section recessed into wall

or ceiling for top, back or end mounting capability.

Surface top-mount (TM) option available on non-emergency exits, and attaches directly to J-box. Can be used for pendant mounting.

Special wording available; consult factory.

Listings

UL Listed. Meets UL924. CSA or NOM Certified (see Options).

LRP
Precise® Edge-Lit



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: LRP 1 RC 120/277 EL N

Series	Housing	Number of faces	Letter color	Directional indicators	Voltage	Operation	Mounting	Options
LRP LED	(blank) Brushed aluminum	1 Single	RW Red on white	(blank) No chevrons	120/277 Dual voltage	(blank) Standard non-emergency	(blank) Ceiling or back	(blank) Complete exit panel and rough-in section
	W White	2 Double	RC Red on clear ¹	LA Left ¹	120/347 Dual voltage ⁴	EL N Nickel-cadmium battery ²	EM End	PNL Panel assembly only
	B Black		RMR Red on mirror ²	RA Right ¹		X2 Lamps wired on two separate circuits ^{3,5}	TM Top ⁶	CSA Meets Canadian standards
	BZ Bronze		GW Green on white ³	LRA Left and right		LDC6 6V DC input for LED lamp ⁴		NOM Meets Mexican standards
	BS Brass		GC Green on clear ^{1,3}	DA Double-face chevrons ²		LDC12/48 12-48V DC input for LED lamp ⁴		FI Fire alarm interface ³
	CR Chrome		GMR Green on mirror ^{2,3}					FA Flashing emergency operation and intermittent audible alarm ^{3,7}

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

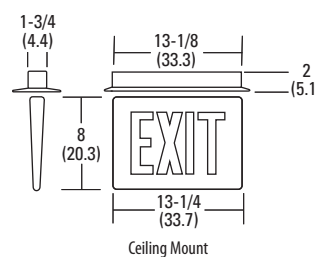
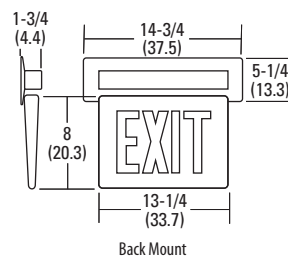
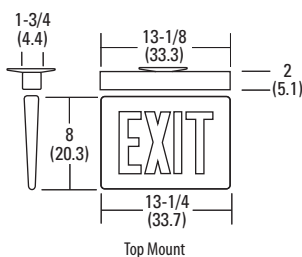
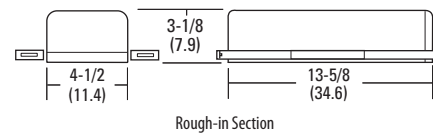
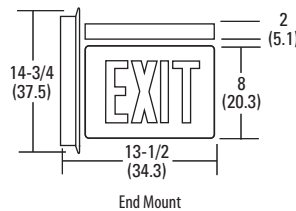
ELECTRICAL APPLICATION DATA				
TYPE	VOLTS	FACES	AMPS	WATTS
Standard LED Red	120	1	.087	1.5
Standard LED Red	120	2	.178	3.1
Standard LED Red	277	1	.089	1.8
Standard LED Red	277	2	.178	3.4
Emergency LED Red	120	1	.093	2.3
Emergency LED Red	120	2	.084	3.2
Emergency LED Red	277	1	.095	2.7
Emergency LED Red	277	2	.094	3.9
Standard LED Green	120	1	.064	1.2
Standard LED Green	120	2	.059	2.0
Standard LED Green	277	1	.062	1.3
Standard LED Green	277	2	.061	2.3
Emergency LED Green	120	1	.066	1.7
Emergency LED Green	120	2	.138	3.7
Emergency LED Green	277	1	.064	1.9
Emergency LED Green	277	2	.130	3.8

ACCESSORIES		
ORDER SEPARATELY		
LED ROUGH-IN SECTION ⁸		
Standard	ELA LCRIS	1 or 2 faces, red or green
Standard	ELA LRIS 120 X2	1 or 2 faces, 120V w/X2 option
Standard	ELA LRIS 277 X2	1 or 2 faces, 277V w/X2 option
Emergency	ELA R LRIS 120/277 EL N	1 face, red
Emergency	ELA R 2LRIS 120/277 EL N	2 faces, red
Emergency	ELA G LRIS 120/277 EL N	1 face, green
Emergency	ELA G 2LRIS 120/277 EL N	2 faces, green
Pendant mounting (top mount only)	ELA US12	12" pendant kit with brushed aluminum canopy

Specification (add to catalog number)	Graphics	
	Back	Front
LA		<EXIT
RA		EXIT>
LRA (single face)		<EXIT>
DA	<EXIT	EXIT>
LRA (double face)	<EXIT>	<EXIT>

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

Shipping weight: 5 lbs (2.3 kg)



Notes

- 1 Single-face exits only.
- 2 Mirror background simulates clear for double-face option.
- 3 Not available with CSA.
- 4 Only available with CSA. Consult specification sheet for further information.
- 5 Must specify input voltage 120 or 277.
- 6 Non-emergency exits only. No rough-in section required. Not available with LDC6 or LDC12/48.
- 7 Only available with EL N.
- 8 Supplied standard with exit unless PNL suffix is specified. Order separately only if necessary for early installation. When ordering rough-in separately, all options must be included with rough-in nomenclature (example: ELA LCRIS 120/277 FI).

PRODUCT INFORMATION

EDG

Surface-Mount Edge-Lit



Intended Use
Suitable for applications requiring attractive edge-lit exit signage, universal installation and low energy consumption.

Construction
Extruded aluminum or white finish lamp housing.

Clear thermoplastic panels with precision outline en-

graved letters measuring 6" high with 3/4" stroke. EDGNY and EDGRNY feature clear acrylic panels with letters measuring 8" high with 1" stroke and are New York City compliant.

Mirrored separator panel to simulate clear background. (Standard on double-face.)

Dual-input voltage capability (120/277V).

Expected LED life of more than 10 years.

Low energy consumption: less than five watts.

Universal (top, end or back) mounting. Double face available with top or end mounting only (canopy provided).

EDGRNY is for recessed top mounting only.

Universal directional indicators. Field selected and attached.

Listings
UL Listed. Meets UL924.



Example: EDG 1 R EL

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

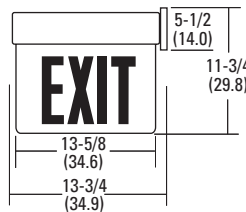
Series	Housing	Number of faces	Letter color	Operation
EDG Surface mount LED edge-lit	(blank) Aluminum	1 Single	R Red	(blank) Standard non-emergency
EDGNY Surface mount LED edge-lit 8" letters	W White ¹	2 Double	G Green ¹	EL Nickel-cadmium battery
EDGRNY Recess mount LED edge-lit 8" letters			RMR Red, mirror ²	SD Self diagnostics (available with EL option only) ¹
			GMR Green, mirror ^{1,2}	X2 Lamps wired on two separate circuits (available with green letters and AC operation only) ¹

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

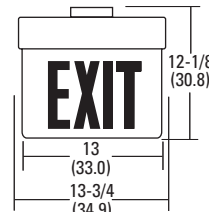
ELECTRICAL APPLICATION DATA			
TYPE	VOLTS	AMPS	WATTS
Standard LED Red	120 / 277	.021 / .010	2.52 / 2.77
Standard LED Green	120 / 277	.018 / .008	2.16 / 2.20
Emergency LED Red	120 / 277	.025 / .011	2.20 / 2.20
Emergency LED Green	120 / 277	.022 / .010	2.64 / 2.77
Standard LED Red (NY)	120 / 277	.025 / .011	3.00 / 3.00
Emergency LED Red (NY)	120 / 277	.025 / .011	3.00 / 3.00

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

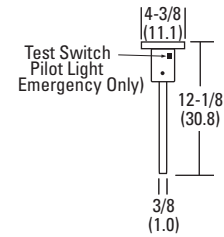
Shipping weight 4 lbs (1.8 kg)



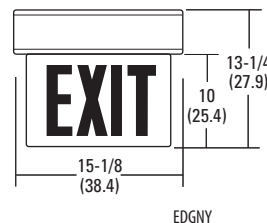
EDG End Mount



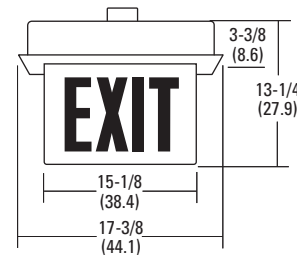
EDG Back Mount



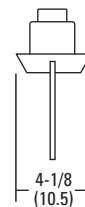
EDG Top Mount



EDGNY



EDGRNY



Notes

- Not available on EDGNY and EDGRNY.
- Available with EDG single-face only. Mirrored panel standard on double-face.

Intended Use

Ideal for applications requiring attractive die-cast aluminum signage, superior illumination and low energy consumption.

Construction

Solid, die-cast aluminum housing - smallest sign on the market. Standard finish is brushed aluminum face with matte black housing. Other finishes available.

LENY features 8" high letters with 1" stroke and are New York City compliant.

The self-diagnostic emergency signs comply with NFPA Life Safety Code® and automatically test the battery once a month for five minutes and once every six months for 30 minutes.

Completely concealed chevron directional indicator knockouts and mounting hardware.

Long-life LEDs feature very low energy consumption and rated life up to 25 years.

A non-emergency red LED exit consumes only .73 watts of electricity at 120V.

LEDs provide uniform graphics illumination. Meets 3/4" letter stroke requirements.

Dual-voltage capability (120/277V).

Emergency exits contain maintenance-free nickel-cadmium battery and reliable, solid-state charging system.

Universal (top, back or end) mounting. Double face avail-

able with top or end mounting only (canopy included).

US Patent No. 5,954,423.

Listings

UL Listed. Meets UL924. CSA or NOM Certified (see Options).

**LE
LRE**

Signature® Die-Cast Aluminum



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: LE S W 1 R 120/277 EL N

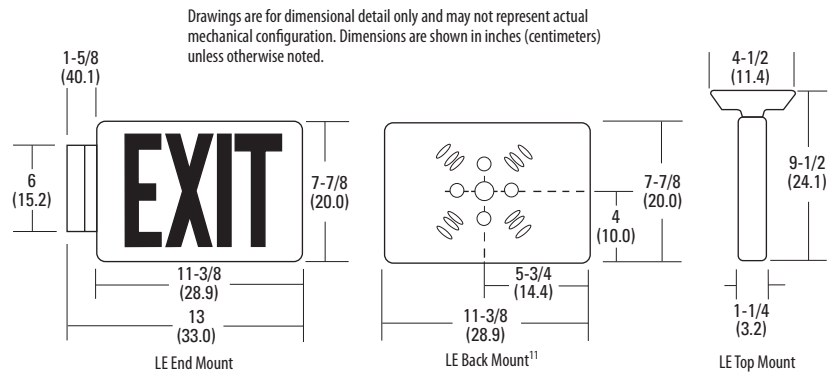
Series	Face type	Housing	Number of faces ²	Letter color	Voltage
LE LED	S Stencil ¹³	(blank) Brushed aluminum face and matte black housing	1 Single	R Red	120/277 Dual voltage ¹
LRE LED recessed ¹		BZ Dark bronze ^{1,4}	2 Double ⁵	G Green ^{1,4}	120/347 Dual voltage ^{4,7}
LENY LED 8-inch letters ^{1,2,3}		W White	3 Single with extra faceplate and color panel for field conversion to double-face ⁶		
		B Matte black ^{1,4}			
Operation			Options		
(blank)	Standard non-emergency		CSA	Meets Canadian standards ⁴	
EL	Nickel-cadmium battery ⁶		NOM	Meets Mexican standards ⁴	
EL N	Nickel-cadmium battery ^{1,5}				
EL N SD	Nickel-cadmium battery with self-diagnostics ^{4,8}				
LDC6	6V DC input for LED lamps ^{4,5,7}				
LDC12/48	12-48V DC input for LED lamps ^{4,5,7}				
X2	Lamps wired on two separate circuits ^{1,4,9}				

ADDITIONAL INFORMATION

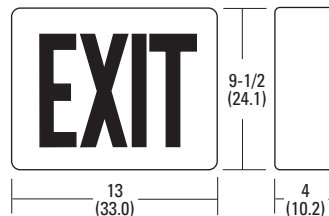
For additional product information, visit www.lithonia.com.

ELECTRICAL APPLICATION DATA					
	TYPE	VOLTS	FACES	AMPS	WATTS
PRIMARY CIRCUIT	Standard LED Red	120	1, 2	.04	.73
	Standard LED Red	277	1, 2	.05	.94
	Standard LED Red	347	1, 2	.06	1.2
	Standard LED Green	120	1, 2	.04	1.2
	Standard LED Green	277	1, 2	.05	1.5
	Emergency LED Red	120	1, 2	.05	1.2
	Emergency LED Red	277	1, 2	.06	1.3
	Emergency LED Red	347	1, 2	.01	2.9
	Emergency CSA LED Red	120	1, 2	.03	2.8
	Emergency CSA LED Red	347	1, 2	.01	2.9
	Emergency LED Green	120	1, 2	.05	1.6
	Emergency LED Green	277	1, 2	.06	1.8
EMERGENCY CIRCUIT	LDC6	6	1, 2	.20	1.2
	LDC12/48	12	1, 2	.12	1.5
	LDC12/48	24	1, 2	.06	1.5
	LDC12/48	32	1, 2	.05	1.5
	LDC12/48	48	1, 2	.04	1.6

ACCESSORIES	
ORDER SEPARATELY	
ELA WG1	Back-mount wireguard
ELA B US12	12" pendant kit with black canopy ^{4,10}
ELA LEHO 120/277 N	Remote-capable with black canopy; provides 90 minutes of 10.2W capacity for remote head ^{1,4,10,12}



Shipping weight: 5 lbs (2.3 kg)



LRE Recessed Mount

Shipping weight: 10 lbs (4.5 kg)

Notes

- 1 Not available with CSA.
- 2 LENY only available with single face with extra face plate and color panel (3).
- 3 LENY measures 12-3/4" (L) x 9" (H) x 2" (D).
- 4 Not available with LENY.
- 5 Not available with recessed exits.
- 6 Available with LENY only.
- 7 Only available with non-emergency CSA.
- 8 Must specify input voltage (120 or 347V) with CSA option.
- 9 Must specify input voltage (120 or 277V).
- 10 Add W for white canopy.
- 11 Canopy required for ELN SD, CSA or LDC option. (Measures 5-3/4" x 8" x 2-1/4")
- 12 For use with emergency exits only.
- 13 Standard for LENY – no specification required.

PRODUCT INFORMATION

LQC

Quantum® Die-Cast Aluminum



Intended Use
Ideal for applications requiring general-purpose emergency lighting exit sign.

Construction
Die-cast aluminum construction - compact housing. Brushed aluminum faceplate with matte black electrostatic polymeric trim. Clear lacquer finish on brushed face inhibits fingerprints and other surface contaminants. Also available in white housing and face.

Fully overlapping light seal prevents light leaks. Universal direction chevron knockouts are concealed and easily removed.

Provisions for conduit entry and pendant mounting.

U.S. Patent No. 5,739,639. Other patents pending.

Expected LED life of more than 10 years.

Universal (top, end or back mounting). Completely concealed, easily removed

mounting knockouts and hole plugs. No exposed hardware. Die-cast aluminum canopy provided. Faceplate accessory kit available for one-face to two-face field conversion.

Dual-voltage input capability 120 or 277 VAC. Emergency models provided with test-switch, status indicator and a battery that automatically recharges when normal power is restored.

Emergency models provided with maintenance-free, sealed

nickel-cadmium battery to provide 90 minutes of emergency power if necessary.

Listings
UL Listed. Meets UL924. Damp location listing 50° to 104°F (10° to 40°C) standard.

**ORDERING INFORMATION** For shortest lead times, configure products using **bolded options**.

Example: LQC 1 R EL N

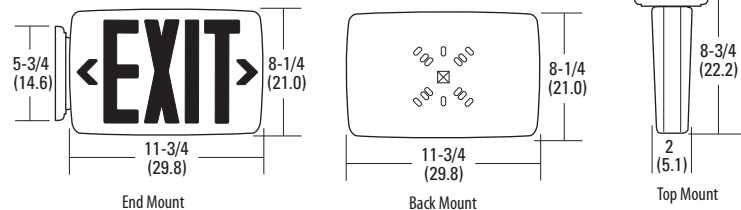
Series	Housing	Number of faces	Letter color	Options
LQC LED	(blank) Matte black, brushed aluminum face W White	1 Single face 2 Double face	R Red G Green	(blank) AC only 120/277V ELN 120/277 VAC input with nickel-cadmium battery back-up

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.**ELECTRICAL APPLICATION DATA**

TYPE	VOLTAGE	INPUT WATTS	MAXIMUM AMPS
Standard LED Red	120	.6	.05
Standard LED Red	277	.7	.06
Standard LED Green	120	1.0	.05
Standard LED Green	277	1.2	.06
Emergency LED Red	120	.6	.05
Emergency LED Red	277	.7	.06
Emergency LED Green	120	1.0	.05
Emergency LED Green	277	1.2	.06

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

Shipping weight 4.5 lbs (2.0 kg)

**ACCESSORIES****ORDER SEPARATELY**

ELA WG1	Back-mount wireguard
ELA WGEXT	Top-mount wireguard
ELA WGEXE	End-mount wireguard
ELA B US12	12" pendant-mount kit with black canopy. To order white canopy, replace B with W in catalog number. To order 24" or 36" lengths, replace 12 with 24 or 36.
ELA LQCFCP	Brushed/black faceplate kit with red and green sign panel for one-face to two-face field conversion
ELA W LQCFCP	White faceplate kit with red and green sign panel for one-face to two-face field conversion

Intended Use

Ideal for applications requiring attractive, quick-installation exit signs and low energy consumption.

Construction

Precision-molded thermoplastic housing is impact- and scratch-resistant, corrosion-proof and UV-stabilized to resist discoloration.

Innovative snap-together design allows installation in less than three minutes.

Long-life LEDs feature very low energy consumption and rated life up to 10 years. Consumes less than one watt of energy.

Fully assembled single-face exit with optional extra faceplate for easy field conversion to double-face standard.

Replaceable chevron directional indicator knockouts for choice of direction.

Universal (top, end or back) mounting with canopy included.

Automatic recharge after discharge.

Conveniently located test switch and status indicator provide visual and manual means of monitoring system operation.

The self-diagnostic emergency signs comply with NFPA Life Safety Code® and automatically test the battery once a month for five minutes and once every six months for 30 minutes.

U.S. Patent No. 5, 526, 251; 5, 611, 163; 5, 739, 639 and 5, 954, 423. Other patents pending.

Listings

UL Listed. Meets UL924. UL damp location listing 50° to 104°F (10°C to 40°C) standard. NOM Certified (see Options).

LQM
Quantum® Thermoplastic



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: LQM S W 3 R 120/277 EL N

Series	Face type	Housing	Number of faces	Letter color	Voltage	Options
LQM LED	S Stencil	(blank) Black W White	3 Single with extra faceplate and color panel for field conversion to double-face	R Red G Green	120/277 Dual voltage ¹	(blank) Standard non-emergency EL N Nickel-cadmium battery SD Self diagnostics ² X2 Lamps wired on two separate circuits ³ NOM Meets Mexican standards ⁴

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ELECTRICAL APPLICATION DATA

TYPE	VOLTS	AMPS	WATTS
Standard LED Red	120	.05	.62
Standard LED Red	277	.06	.69
Standard LED Green	120	.05	.62
Standard LED Green	277	.06	.74
Emergency LED Red	120	.05	.71
Emergency LED Red	277	.06	.92
Emergency LED Green	120	.05	.66
Emergency LED Green	277	.06	.70

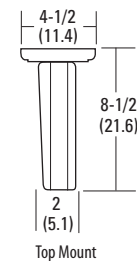
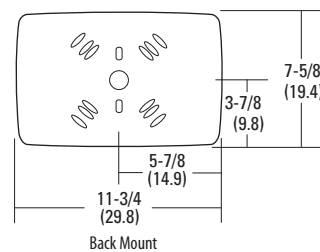
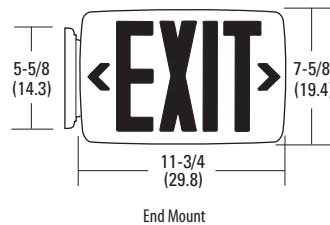
ACCESSORIES

ORDER SEPARATELY

ELA W US12	12" stem kit with white canopy ⁵
ELA WG1	Back-mount wireguard
ELA WGEXT	Top-mount wireguard
ELA WGEXE	End-mount wireguard

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

Shipping weight 2.6 lbs (1.2 kg)



Notes

- Some special voltages available. Consult factory.
- Available with EL N operation only.
- Available with AC operation only.
- Available with stencil or panel faces in white housing and red letters only.
- Replace W with B for black canopy.

PRODUCT INFORMATION

LV

Extreme® All-Conditions

**Intended Use**

Ideal for high-abuse, cold weather (down to -40°C with CW option) and wet location applications such as schools, security areas/prisons and parking garages.

Construction

Durable, cast-aluminum construction. Rugged housing is .250" to .525" thick.

Clear, UV-stable polycarbonate cover is .130" thick to prevent cracking or breaking.

Secured with four stainless steel TORX® T20 tamperproof screws with center pin.

Completely concealed chevron directional indicator knockouts.

Long-life LEDs feature very low energy consumption and a rated life up to 25 years.

Emergency exits contain maintenance-free nickel-cadmium battery and reliable, solid-state charging system.

Dual-voltage input capability (120/277V).

UM option offers conduit entry and top, end or back mounting. Double face available with top or end mounting only (canopy provided).

Self-diagnostics option automatically tests battery once a month for five minutes and once every six months for 30 minutes.

Vandal-resistant magnetic test switch and status indicator provide a safe, easy means of testing.

U.S. Patent No. D383,501 and 5,611,163.

Listings

UL Listed. Meets UL924. CSA or NOM Certified (see Options). 4X option is UL Listed, including wet location.

**ORDERING INFORMATION**

For shortest lead times, configure products using **bolded options**.

Example: LV S W 1 R 120/277 UM EL N

Series	Face type	Housing	Number of faces	Letter color	Voltage	Mounting
LV LED	S Stencil	(blank) Black faceplate on black housing W White on white WB White on black BW Black on white AB Aluminum on black ¹ AW Aluminum on white ¹	1 Single 2 Double ²	R Red G Green ¹	120/277 Dual voltage ¹ 120/347 Dual voltage ^{3,9}	(blank) Back mount ⁴ UM Universal mount ⁵

Operation

(blank)	Standard non-emergency
EL N	Nickel-cadmium battery ⁵
EL N SD	Nickel-cadmium battery with self-diagnostics ¹
LDC6	6V DC input for LED lamp ³
LDC12/48	12-48V DC input for LED lamp ³
X2	Lamps wired on two separate circuits ^{1,6}

Options

(blank)	None
CW	Cold weather and NEMA 4X wet location to -40°C ^{1,7,10}
4X	UL Listed for NEMA 4X for wet location ¹
CSA	Meets Canadian standards
NOM	Meets Mexican standards

ADDITIONAL INFORMATION

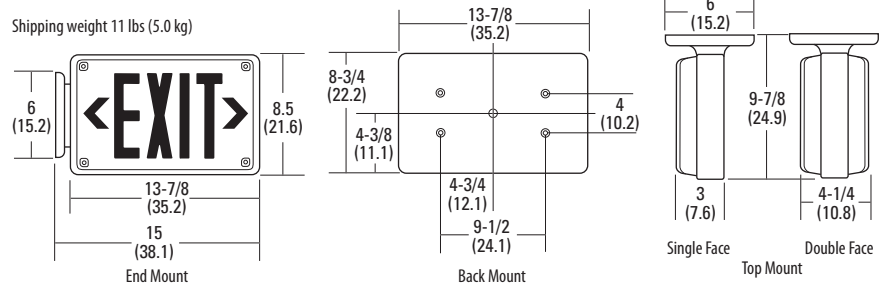
For additional product information, visit www.lithonia.com.

ELECTRICAL APPLICATION DATA¹⁰

TYPE	VOLTS	FACES	AMPS	WATTS
Standard LED Red / Green	120	1	.15/.09	2.3/1.7
Standard LED Red / Green	120	2	.30/.08	4.6/2.8
Standard LED Red / Green	277	1	.13/.09	2.2/1.9
Standard LED Red / Green	277	2	.26/.09	4.4/3.3
Emergency LED Red / Green	120	1	.14/.10	3.3/2.2
Emergency LED Red / Green	120	2	.13/.09	4.8/3.2
Emergency LED Red / Green	277	1	.13/.10	3.3/2.5
Emergency LED Red / Green	277	2	.13/.10	5.0/4.0
LED Standard (CSA) / Emergency (CSA)	120	1	.14/.11	2.23/13.27
LED Standard (CSA) / Emergency (CSA)	120	2	.13/.10	3.80/8.14
LED Standard (CSA) / Emergency (CSA)	347	1	.14/.04	1.92/12.65
LED Standard (CSA) / Emergency (CSA)	347	2	.13/.03	3.74/7.83

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

Shipping weight 11 lbs (5.0 kg)

**EMERGENCY CIRCUITS³**

TYPE	VOLTS	FACES	AMPS	WATTS
LDC6	6	1	.24	1.44
LDC6	6	2	.48	2.88
LDC12/48	12	1	.15	1.90
LDC12/48	12	2	.26	3.11
LDC12/48	24	1	.07	1.79
LDC12/48	24	2	.13	3.05
LDC12/48	32	1	.06	1.76
LDC12/48	32	2	.10	3.25
LDC12/48	48	1	.04	1.73
LDC12/48	48	2	.07	3.35

ACCESSORIES**ORDER SEPARATELY**

ELA TPS T20	TORX® tamperproof bit for T20 center-pin screw
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Notes

- Not available with CSA option.
- Available with universal mount only.
- Only available with CSA option.
- Not available on double face.
- Must specify input voltage (120 or 347V) with CSA option.
- Must specify input voltage (120 or 277V). UL listed as emergency lighting equipment.
- Available with emergency exits only.
- Universal mount standard with conduit entry (1/2"-14 UNC).
- Only available with standard, non-emergency exit.
- Add 24 input watts for CW battery heater option.

Intended Use

Ideal for applications where electrical power cannot be provided.

Construction

Tritium-filled gas tubes require no electrical input or external light source and are

rated for 10-year luminous life (20-year life option available).

Universal directional indicators and mounting (canopy included).

Completely sealed housing.

Suitable for wet locations.

Tamperproof mounting hardware included.

Listings

UL Listed. Meets UL924.



D
Self Luminous

ORDERING INFORMATION

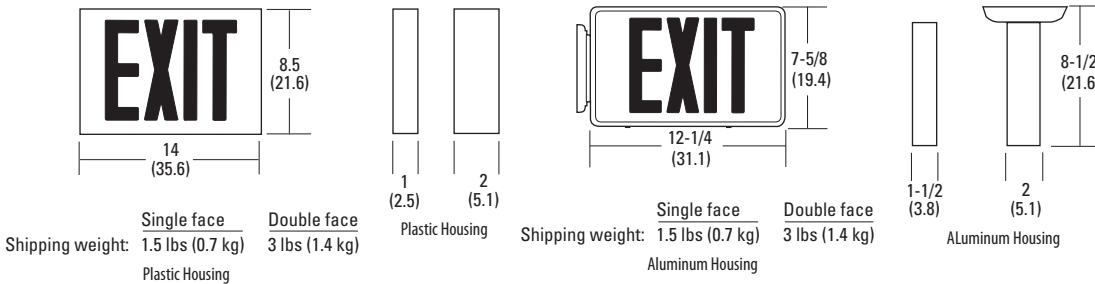
Lead times will vary depending on options selected. Consult with your sales representative.

Example: D S W 1 R

Series	Face type	Housing	Number of faces	Faceplate color	Luminous life	Options
D Self luminous	S Stencil	(blank) Black W White AL Aluminum ¹	1 Single 2 Double	R Red G Green	(blank) Luminous life rating of 10 years 20 Luminous life rating of 20 years	VR Vandal shield ^{2,3,4} AA Aluminum anodized frame ⁵ IF Institutional frame ⁴

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.



Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

Notes

- 1 Only available with AA option.
- 2 Only available in single face.
- 3 Only available with aluminum housing color.
- 4 Consult factory for dimensional details.
- 5 Available in all housing colors.

PRODUCT INFORMATION

Intended Use

LX is suitable for applications requiring heavy-duty steel exit signage such as a light industrial warehouse or manufacturing facility. LXNY and LHXNY are ideal for New York City applications where steel housing and 8" letter height are required.

Construction

Heavy-gauge, die-formed steel housing. Impact-resistant color panels. LXNY and LHXNY feature 8" high letters with 1" stroke and are New York City compliant.

Knockout chevrons for choice of direction.

LHXNY features three PAR36 style thermoplastic lamp heads.

Long-life LEDs feature very low energy consumption and rated life up to 25 years.

Dual-voltage capability (120/277V).

Universal (top, end or back) mounting with canopy included. Back mounting only for LHXNY.

Listings

UL Listed (standard).



LX
Titan® LED



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: LX S W 1 R 120/277 EL N

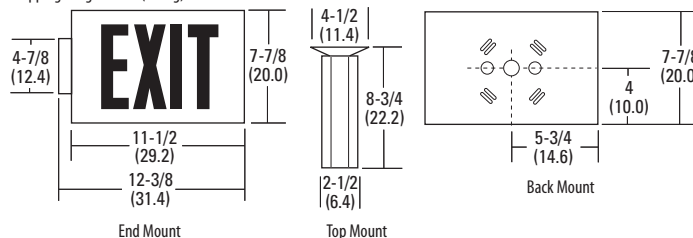
Series	Face type	Housing	Number of faces	Letter color	Voltage	Operation
LX LED	S Stencil ⁵	(blank) Matte black ¹	1 Single ²	R Red	120/277 Dual voltage ⁴	(blank) Standard non-emergency ³
LXNY LED		W White	3 Single with extra faceplate and color panel ³	G Green ¹		EL N Nickel-cadmium battery ³
LHXNY LED exit/unit						EL Nickel-cadmium battery ⁶

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ELECTRICAL APPLICATION DATA			
TYPE	VOLTS	AMPS	WATTS
Standard LED Red	120 / 277	.04 / .05	.57 / .68
Standard LED Green	120 / 277	.05 / .05	.62 / .72
Emergency LED Red	120 / 277	.04 / .05	.72 / .92
Emergency LED Green	120 / 277	.04 / .05	.72 / .92
Standard LED Red (LXNY)	120 / 277	.041 / .018	5.0 / 5.0
Emergency LED Red (LXNY)	120 / 277	.041 / .018	5.0 / 5.0
Emergency LED Red (LHXNY)	120 / 277	.115 / .056	12.7 / 14.3

Shipping weight: 5 lbs (2.3 kg)



Notes

- 1 Not available with LXNY or LHXNY.
- 2 Not available with LXNY.
- 3 Not available with LHXNY.
- 4 Voltage not required in catalog number for LXNY or LHXNY.
- 5 Standard for LXNY and LHXNY - no specification required.
- 6 Only available with LXNY.

PRODUCT INFORMATION

CUSTOM SIGNAGE

Lithonia Lighting offers special signage in the Signature® and Quantum® families. Most special signage is available with red or green LED lighting. See below for special wording ordering guide.



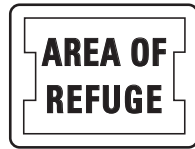
Signature® Sign



Quantum® Sign



Quantum® Sign/Unit Combo



SW01



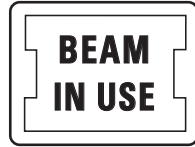
SW02



SW03



SW04



SW05



SW06



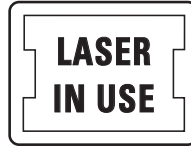
SW07



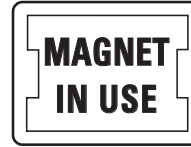
SW08



SW09



SW10



SW11



SW12



SW13



SW14



SW15



SW16

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: LE P W I R 120/277 EL N SW02

Family	Face type	Housing	Number of faces	Letter color	Voltage	Operation ³	Special wording
LE	Signature® die-cast aluminum sign	P Panel	(blank) Matte black, brushed aluminum base	1 Single face 2 Double face 3 Single with extra faceplate and color panel ²	R Red G Green	120/277 Dual voltage	(blank) AC only EL N Nickel-cadmium battery
LQM	Quantum® thermoplastic sign ¹	W White					SW01 AREA OF REFUGE SW02 AREA OF RESCUE SW03 AREA OF RESCUE ASSISTANCE SW04 AREA OF RESCUE ASSISTANCE with access pictogram SW05 BEAM IN USE ⁴ SW06 DARKROOM IN USE ⁴ SW07 EXIT Arabic/English SW08 EXIT with access pictogram
LHQM	Quantum® thermoplastic sign/unit combo ¹						SW09 IN USE ⁴ SW10 LASER IN USE ⁴ SW11 MAGNET IN USE ⁴ SW12 NO EXIT SW13 ON AIR ⁴ SW14 ROOM IN USE ⁴ SW15 SALIDA ⁵ SW16 X-RAY IN USE ⁴

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Notes

- 1 Only available in white housing.
- 2 Only available with LQM and LHQM family.
- 3 Not applicable to LHQM family.
- 4 Not available with LHQM family or EL N operation.
- 5 Only available in red letter color.

PRODUCT INFORMATION

Accessories

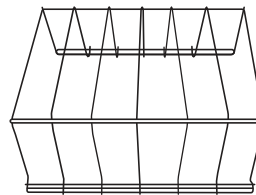
EXIT ACCESSORIES

WIREGUARDS

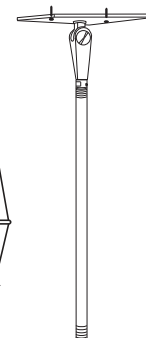
ELA WG1	Back-mount wireguard (shown)	13-1/2" H x 15" W x 6" D
ELA WGEXT	Top-mount wireguard	14" W x 11" H x 6-3/4" D
ELA WGEXE	End-mount wireguard	15" W x 11" H x 4-3/4" D
ELA WG3	Back mount for LHQM combo	13-1/2" H x 30" W x 6" D

STEM KITS¹

ELA US12	Signature® LE standard or emergency, Precise® LRP with TM option, Quantum®, Titan® LED
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ELA WG1



Notes

- 1 Stem color is brushed aluminum. Standard canopy color is brushed aluminum. To order white or black canopy, add W or B to catalog number. For other lengths, replace 12 with appropriate stem length in inches. Example: ELA W US24.

LHQM

Quantum® Thermoplastic



Intended Use
Suitable for applications requiring quick installation of both exit sign and unit equipment. Attractive 10" tall, streamlined design is great for above-the-door applications and other tight fits.

Construction
Precision-molded thermo-plastic housing is impact-resistant, corrosion-proof and UV-stabilized to resist discoloration.

Quick-Mount® installation. Innovative, snap-together

design allows for installation in less than three minutes.

Factory assembled and prewired.

Replaceable chevron directional indicator knockouts for choice of direction.

Side-mount lamp heads reduce overall height, allowing for easy fit over doorways.

Long-life LEDs feature very low energy consumption and rated life up to 10 years.

Dual-voltage input standard (120/277V).

Sealed, maintenance-free, lead-calcium battery standard. Nickel-cadmium battery optional.

Two 5.4W wedge-based krypton lamps offer 32% more light output than standard incandescent lamps.

Patented MR24, multifaceted reflector significantly improves photometric performance; 60-100% more light delivered to the path of egress.

Universal (top, end or back) mounting with canopy included.

Optional high-output battery (HO) to power a remote head or exit.

U.S. Patent No. 5, 611, 163; 5, 646, 502; 5, 526, 251; 5, 797, 673 and D379, 373. Other patents pending.

Listings

UL Listed. Meets UL924. UL damp location listed (50° to 104°F (10° to 40°C) standard. NOM Certified (see Options).



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: LHQM S W 3 R

Series	Face type	Housing	Number of faces	Letter color	Options
LHQM LED exit/unit	S Stencil	(blank) Black W White	3 Single with extra faceplate and color panel for field conversion to double-face	R Red G Green	N Nickel-cadmium battery ¹ HO High-output lead-calcium battery HO RO High-output lead-calcium battery, less lamp heads NOM Meets Mexican standards ²

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

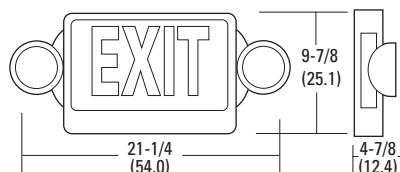
REMOTE OUTPUT CAPACITY				
FAMILY	STANDARD COMBO	COMBO/NI-CAD BATTERY (N)	COMBO/HIGH-OUTPUT BATTERY (HO)	COMBO/NO HEADS (RO) AND HIGH-OUTPUT BATTERY (HO)
LHQM	NA	NA	12W	24W

ELECTRICAL APPLICATION DATA									
AC LAMP	AC INPUT			OUTPUT VOLTS	OUTPUT WATTS			STANDARD LAMP	WATTS
	VOLTS	AMPS	WATTS		1-1/2 HRS	2 HRS	3 HRS		
LED Red/Green	120	.23	3.3	6	14	10	7	MR24 K0606	5.4
LED Red/Green	277	.23	3.3	6 (HO)	24	18	12	MR24 K0606	5.4

ACCESSORIES	
ORDER SEPARATELY	
ELA MR24 K0606	Compact MR24 remote head (6W, 6V krypton lamp)
ELA MR24 K0906	Compact MR24 remote head (9W, 6V krypton lamp)
ELA NX H0606	NEMA 4X sealed-beam remote fixture (6W, 6V halogen lamp)
ELA WG3	Wireguard (back mount only)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

Shipping weight 7.36 lbs (3.3 kg)



Notes

- 1 Not available with HO.
- 2 Available with stencil on panel faces in white housing and red letters only.

PRODUCT INFORMATION

AFN

Affinity®

**Intended Use**

Provides a minimum of 90 minutes illumination for the rated wattage upon loss of AC power. Ideal for applications requiring attractive unit equipment.

Construction

Compact, low-profile, architectural design with die-cast aluminum housing. Available finishes are textured polyester powder coat paint in nickel white, black and dark bronze.

The self-diagnostic emergency units comply

with NFPA Life Safety Code® and automatically test the battery once a month for five minutes and once every six months for 30 minutes.

U.S. Patent No. D468,046.

Standard optics provided with two 6W wedge-base xenon lamps offer 55% more light output than standard incandescent lamps.

Forward throw (FWD) option optics provided with two high-brightness white LEDs projecting a forward throw beam of light.

Patented reflector/refractor design features superior vac-metalized, die-casted reflectors and multi-faceted, highly transmissive refractors that significantly improve photometrics.

Maintenance-free lead-calcium battery (standard). Nickel-cadmium optional.

Dual-voltage input capability (120/277V).

Low-profile, integrated test switch/pilot light located below the lens.

Rigid conduit entry provision on top of the unit.

Remote version available for exterior use. Ideal for exit discharge applications.

Listings

UL Listed. Meets UL 924. Wet location (EXT) listed. Damp location (PREM, EXT) listed. Cold weather (EXT) listed. Meets NFPA 101, NFPA 70-NEC and OSHA illumination standards.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: AFN W EXT

Series	Voltage	Finish	Options
AFN	(blank) 120/277V	W White B Black BN Brushed nickel DB Dark bronze ¹	(blank) Lead-calcium battery PREM Nickel-cadmium battery, self-diagnostics and damp location 32° to 122°F (0° to 50°C) EXT High-temperature nickel-cadmium battery listed from 0° to 122°F (-18° to 50°C), time delay, self-diagnostics, damp and wet location FWD Forward throw optics

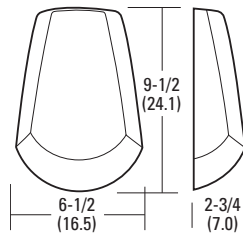
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ELECTRICAL APPLICATION DATA

TYPE	AC INPUT			OUTPUT VOLTS	OUTPUT WATTS 1-1/2 HRS
	VOLTS	AMPS	WATTS		
AFN	120	.11	1.1	6	12
AFN	277	.12	1.3	6	12
AFN PREM	120	.15	1.4	6	12
AFN PREM	277	.14	1.4	6	12
AFN EXT	120	.23	21	6	12
AFN EXT	277	.25	35	6	12

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Weight: 3.5 lbs (1.6 kg)

Notes

¹ Dark bronze can only be ordered with EXT. This finish is not available on other units.

For application guidelines and fixture performance data, see page 479.

PRODUCT INFORMATION

Intended Use

Provides 90 minutes of illumination for the rated wattage upon the loss of AC power. Ideal for applications that require ensconced emergency lighting in wall or ceiling.

Construction

Trim and door housing panels are finished in durable white textured powder coated paint. Can be wallpapered or field-painted. Trim and panel doors lay flush with mounting surface. No exposed hardware.

Low-profile recessed test switch and status indicator configuration minimizes exposed interfaces. Rugged, 22-gauge galvanized steel box with three 3/4" knock-outs. Galvanized bar hangers span up to 30" on center.

Two MR16 halogen 12W to 75W lamps are fully adjustable to meet aiming requirements. Lamps are ensconced until activated in the emergency mode.

Sealed, maintenance-free lead-calcium battery with

capacity of 24W to 150W for 90 minutes of emergency operation. Optional nickel-cadmium battery. Low-voltage disconnect prevents excessive deep discharge that can permanently damage the battery.

Dual-voltage input capability (120/277V). Precision-controlled motor and cam system ensures reliable extraction and retraction of light sources. Single, multi-chromatic LED indicator to display two-state charging, test activation and four-state

diagnostic status. Standard **self-diagnostic** feature tests the unit for 30 minutes every 28 days without turning lamps on. Provided with an **IR receiver** for remote testing. Requires the ELA RTVEL remote transmitter (see Accessories). Selectable 30-second or 90-minute manual testing.

Listings

UL Listed. Meets UL924.

VEL
Velare®



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: VEL1270 H3512 N

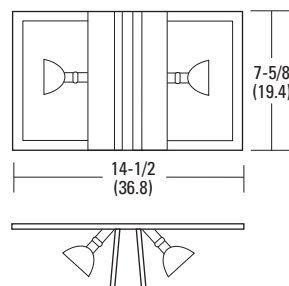
Series	Lamp type ³	Options
VEL1224 12V, 24W	H1212 12W/12V halogen MR16	(blank) Lead calcium battery
VEL1240 12V, 40W	H2012 20W/12V halogen MR16	N Maintenance-free nickel-cadmium battery
VEL1270 12V, 70W ¹	H3512 35W/12V halogen MR16	TD Time delay
VEL12100 12V, 100W ²	H5012 50W/12V halogen MR16	LRIS Less rough-in section ⁴
VEL12150 12V, 150W ²	H7512 75W/12V halogen MR16	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

TYPE	AC INPUT			OUTPUT VOLTS	OUTPUT WATTS 1-1/2 HRS
	VOLTS	AMPS	WATTS		
VEL1224	120	.20	30	12	24
VEL1224	277	.20	30	12	24
VEL1240	120	.20	30	12	40
VEL1240	277	.20	30	12	40
VEL1270	120	.20	30	12	70
VEL1270	277	.20	30	12	70
VEL12100	120	.20	30	12	100
VEL12100	277	.20	30	12	100
VEL12150	120	.20	30	12	150
VEL12150	277	.20	30	12	150

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



ACCESSORIES	
ORDER SEPARATELY	
ELA RTVEL	Remote transmitter with selectable 30-second or 90-minute testing ⁵
ELA VEL RIS	VEL rough-in section (supplied standard with fixture unless LRIS suffix is specified) ships with mounting hardware only; order ELA VEL RIS if needed for rough-in phase of construction

WEIGHT AND DIMENSIONS	
VEL1224 (12V,24W)	20lbs
VEL1240 (12V,40W)	20lbs
VEL1270 (12V,70W)	26lbs
VEL12100 (12V,100W)	26lbs
VEL12150 (12V,150W)	32lbs
ROUGH-IN OPENING	13-1/2 (341) X6-3/4 (170)
OVERLAP TRIM	14-7/16 (365) X7-5/8 (193)

Notes

- Not available with H1212 lamps.
- Not available with H1212 or H2012 lamps.
- Two lamps provided. Total lamp load cannot exceed the fixture capacity rating.
- VEL rough-in section ships standard with fixture unless LRIS suffix is specified. Requires ELA VEL RIS accessory for installation.
- Minimum one per job required.

For application guidelines and fixture performance data, see page 479.

PRODUCT INFORMATION

ELSQ

**Intended Use**

Provides a minimum of 90 minutes of illumination for the rated wattage upon loss of AC power. Ideal for applications requiring unobtrusive emergency lighting. Available surface, semi-recessed or recessed.

Construction

Maintenance-free lead-calcium (standard) or nickel-cadmium (optional) battery. Dual-voltage input capability (120/277V).

Push-to-test button and "ready" light behind lens.

One 10W or two 8W (with 2L option) halogen lamps provide high lumen output.

Listings

UL Listed. Meets UL924.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: ELSQ

Series	Options
ELSQ 6V, self-contained	2L Two 8W lamps with Lexan lens and high-charge indicator (ELSQM only) ¹
ELSQM 6V, 20W	LEX Lexan® lens (standard with 2L option)
	N Maintenance-free nickel-cadmium battery ¹

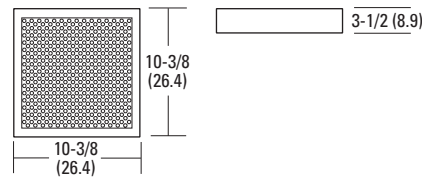
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ELECTRICAL APPLICATION DATA

TYPE	AC INPUT		OUTPUT WATTS	OUTPUT WATTS			
	VOLTS	AMPS		VOLTS	1-1/2 HRS	2 HRS	3 HRS
ELSQ	120	.167	20	6	10	-	-
ELSQ	277	.072	20	6	10	-	-
ELSQM	120	.167	20	6	20	16	10
ELSQM	277	.072	20	6	20	16	10

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Weight: $\frac{\text{ELSQ}}{5 \text{ lbs (2.3 kg)}}$ $\frac{\text{ELSQM}}{7 \text{ lbs (3.2 kg)}}$

ACCESSORIES

ORDER SEPARATELY

ELA SRK	Semi-recessed kit
ELA FRK	Fully-recessed kit
ELA SQR 6V	6V, 10W halogen
ELA SQR 12V	12V, 12W halogen

Notes

- ¹ 2L option is UL Listed for a two-hour run time. Not available with nickel-cadmium battery.

PRODUCT INFORMATION

ELCC

**Intended Use**

Provides a minimum of 90 minutes of illumination for 12W upon loss of AC power. Designed for environments requiring decorative emergency lighting fixtures.

Construction

Black 16-gauge steel backplate and housing.

Contemporary white cylinder shroud with UV-stabilized high-temperature plastic optical lens.

Sturdy, adjustable cast-aluminum swivel.

One 8W (single) or two 6W (twin) halogen wedge-base lamps.

Wall or ceiling mount.

Dual-voltage input capability (120/277V).

Sealed, maintenance-free lead-calcium battery provides 12W rated capacity.

Listings

UL Listed. Meets UL924.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: ELCC

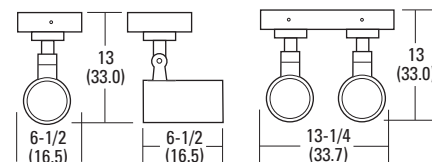
Series	Options
ELCC	(blank) Single lamp head
	T Twin lamp heads

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ELECTRICAL APPLICATION DATA

TYPE	AC INPUT		OUTPUT WATTS	OUTPUT VOLTS	OUTPUT WATTS
	VOLTS	AMPS			
ELCC/ELCC T	120	.052	5.8	6	12
ELCC/ELCC T	277	.023	5.9	6	12



Single Head
Weight: 9 lbs (4.1 kg)

Twin Heads
Weight: 14 lbs (6.6 kg)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

PRODUCT INFORMATION

Specification

Intended Use

Provides a minimum of 90 minutes of illumination for the rated wattage upon loss of AC power. Ideal for applications that require attractive unit equipment or when wall mounting is undesirable.

Construction

Heavy-duty recessed housing suitable for use in air-handling plenums.

PAR36 lamp heads standard.

Sealed, maintenance-free battery (lead-calcium standard,

nickel-cadmium optional) provides capacity for 90 minutes of emergency illumination.

Dual-voltage input capability (120/277V).

Sturdy T-bar clips secure unit to grid members.

Adjustable bar hangers for easy mounting in walls and exposed or concealed suspended ceilings.

Listings

UL Listed. Meets UL924.



ELR

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: ELR2

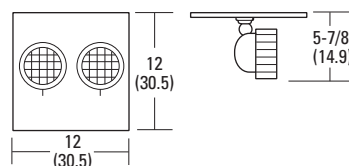
Series	Options
ELR2 6V, 16W	TD Integral time delay (18 minutes) ^{2,3}
ELR2P 6V, 24W ¹	AM Ammeter ²
ELR4 12V, 50W	VM Voltmeter ²
	H Two 8W halogen lamp heads
	N1812 Two 18W, 12V incandescent lamp heads ³
	N2512 Two 25W, 12V incandescent lamp heads ³
	H1212 Two 12W, 12V halogen lamps ³
	R0 Less lamp heads
	N Maintenance-free nickel-cadmium batteries ⁴
	SD Self diagnostics

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

	ELECTRICAL APPLICATION DATA							
	AC INPUT			OUTPUT		OUTPUT WATTS		
	VOLTS	AMPS	WATTS	VOLTS	1-1/2 HRS	2 HRS	3 HRS	4 HRS
ELR2	120	.167	20	6	16	12	8	6
ELR2	277	.072	20	6	16	12	8	6
ELR2P N	120	.167	20	6	24	18	12	9
ELR2P N	277	.072	20	6	24	18	12	9
ELR4	120	.250	30	12	50	37	25	18
ELR4	277	.108	30	12	50	37	25	18

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Weight: ELR2 16 lbs (7.3 kg) ELR4 22.5 lbs (10.2 kg)

Notes

- 1 Available with nickel-cadmium battery only.
- 2 Choice of two. Not available with AM, VM and TD on one unit.
- 3 ELR4 only.
- 4 Not available with ELR4.

For additional lamp heads, remote fixtures, options and accessories, see pages 464-465.

For application guidelines and fixture performance data, see page 476.

PRODUCT INFORMATION

Specification

Intended Use

Provides a minimum of 90 minutes of illumination for the rated wattage upon loss of AC power. Ideal for applications requiring unobtrusive emergency lighting.

Construction

Matte white, baked enamel finish. All-metal housing and gimbal assembly.

High-output, 8W halogen lamp. Lamp adjusts in two planes to 26°.

Dual-voltage input capability (120/277V).

Low-profile pilot light and test switch.

Approved for use in air-handling plenums.

Maintenance-free lead-calcium battery.

Mounts in 6" diameter opening.

Listings

UL Listed. Meets UL924.



ELRG

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: ELRG

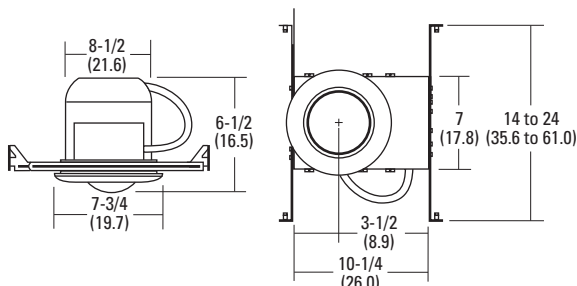
Series
ELRG 6V, self-contained recessed gimbal

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

TYPE	ELECTRICAL APPLICATION DATA		
	AC INPUT		
	VOLTS	AMPS	WATTS
ELRG	120	.052	5.8
ELRG	277	.023	5.9

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

ELM ELM2

Quantum® Thermoplastic



Intended Use

Provides a minimum of 90 minutes of illumination for the rated wattage upon loss of AC power. Ideal for applications requiring attractive unit equipment with quick installation.

Construction

White, compact, low-profile contemporary design with high-impact thermoplastic housing that is impact-resistant, corrosion-proof and UV-stable to resist discoloration from artificial light sources or sunlight.

Maintenance-free lead-calcium battery.

Two 5.4W wedge-based krypton lamps offer 32 % more light output than standard incandescent lamps.

Patented MR24, multi-faceted reflector (ELM2) significantly improves photometric performance; 60 -100% more light delivered to the path of egress. Dual-voltage input capability (120/277V). Edge connectors on printed circuit board ensure long-term durability.

Unique track-and-swivel design permits full range of lamp head adjustment (ELM2). Universal J-box mounting pattern. Tool-less access for maintenance. Flexible conduit entry provision on top of the unit.

Quick-Mount® snap-together construction permits installation in three easy steps in less than three minutes. Wall or ceiling mounted.

Listings

UL Listed. Meets UL924. NOM Certified (see Options).



Example: ELM2

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Series	Options
ELM 6V, 12W	SD Self diagnostics ¹
ELM2 6V, 12W	B Black housing
	CSR 6' cordset attached ²
	NOM Meets Mexican Standards ¹
	DL Damp location 50° to 104°F (10° to 40°C)

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

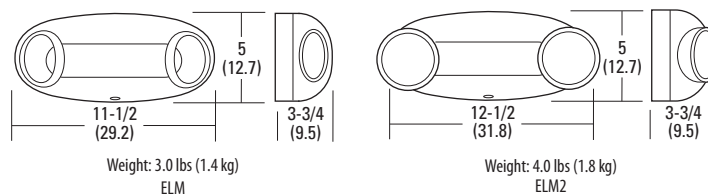
ELECTRICAL APPLICATION DATA

TYPE	AC INPUT		WATTS	OUTPUT VOLTS	OUTPUT WATTS	
	VOLTS	AMPS			1-1/2 HRS	2 HRS
ELM/ELM2	120	.11	1.2	6	12	9
ELM/ELM2	277	.12	1.5	6	12	9

ACCESSORIES

ORDER SEPARATELY	
ELA VS	Polycarbonate vandal shield
ELA WGST	Wireguard

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Available on ELM2 only.
 - Available on ELM 120V only.
- For application guidelines and fixture performance data, see page 478.

Intended Use

Provides a minimum of 90 minutes of illumination for the rated wattage upon loss of AC power. Ideal for applications requiring attractive unit equipment with quick installation.

Construction

White, compact, low-profile contemporary design with high-impact thermoplastic housing that is impact-resistant, corrosion-proof and UV-stable to resist discoloration from artificial light sources or sunlight.

Maintenance-free lead-calcium battery (standard).

Two 9W wedge-based krypton lamps offer 48% more light output than standard incandescent lamps.

Patented MR24, multi-faceted reflector significantly improves photometric performance; 60-100% more light delivered to the path of egress.

Universal voltage input capability (120 through 277V, 50 or 60Hz).

Unique track-and-swivel design permits full range of lamp head adjustment. Universal J-box mounting pattern. Tool-less access for maintenance. Flexible conduit entry provision on top of the unit.

Patent-pending Quick-Mount® features simplify installation.

Wall or ceiling bracket included as a standard feature. Quantum® Series ELM6-12 will power a variety of remote devices up to rated wattage of fixture.

Listings

UL Listed. Meets UL924. NOM Certified (see Options).

ELM 6-12

Quantum® Thermoplastic



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: ELM654

Series	Lamp type	Options
ELM618 6V, 18W	6V M24 composite	SD Self diagnostics ³
ELM627 6V, 27W	(blank) 9W/6V krypton ¹	B Black housing ⁶
ELM654 6V, 54W	H1206 12W/6V halogen ²	N Maintenance-free ni-cad battery ⁷
ELM1254 12V, 54W	H2006 20W/6V halogen ³	TD Time delay ⁵
ELM1272 12V, 72W	12V MR24 composite ⁴	RT Remote test capability. Remote tester sold as an accessory. ⁸
	(blank) 9W/12V krypton	RO Less heads ⁹
	H1212 12W/12V halogen	DL Damp location 50° to 104°F (10° to 40°C) ^{7,10}
	H2012 20W/12V halogen	NOM Meets Mexican Standards ¹¹

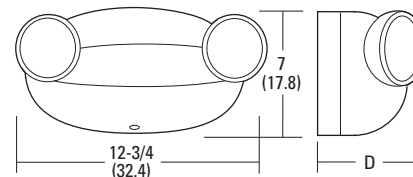
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ELECTRICAL APPLICATION DATA

TYPE	AC INPUT		OUTPUT WATTS	OUTPUT VOLTS	OUTPUT WATTS			
	VOLTS	AMPS			1-1/2 HRS	2 HRS	3 HRS	4 HRS
ELM618	120	.167	5.2	6	18	13.5	9	3
ELM618	277	.072	5.6	6	18	13.5	9	3
ELM627	120	.10	5.2	6	27	20	13.5	10
ELM627	277	.04	7.4	6	27	20	13.5	10
ELM654	120	.250	7.4	6	54	40.5	27	20
ELM654	277	.108	7.4	6	54	40.5	27	20
ELM1254	120	.250	11.0	12	54	40.5	27	20
ELM1254	277	.108	11.1	12	54	40.5	27	20
ELM1272	120	.250	11.0	12	72	54	36	27
ELM1272	277	.108	11.1	12	72	54	36	27

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	ELM618	ELM627	ELM654 ELM1254 ELM1272
Depth :	4-3/4 (12.1)	4-3/4 (12.1)	5-7/8 (14.9)
Weight:	6.8 lbs (3.1 kg)	8.0 lbs (3.6 kg)	13.0 lbs (5.9 kg)

ACCESSORIES	
ORDER SEPARATELY	
ELA LRT	Remote tester (laser)
ELA VS2	Polycarbonate vandal shield (1/8" thick)
ELA WG2M	Wireguard
ELA MR24	Compact MR24 remote lamp head
ELA MR24 K0606	(5.4W, 6V krypton)
ELA MR24 K0906	(9W, 6V krypton)
ELA MR24 H1206	(12W, 6V halogen)
ELA MR24 K0912	(9W, 12V krypton)
ELA MR24 H1212	(12W, 12V halogen)
ELA MR24 H2006	(20W, 6V halogen)
ELA MR24 H2012	(20W, 12V halogen)
ELP UM085	White lamp hole plugs (includes two)

Notes

- Available on ELM618, ELM627 and ELM 654 only.
- Available on ELM627 and ELM654 only.
- Available on ELM654 only.
- Available on ELM1254 and ELM1272 only.
- When ordering ELM618 and ELM1254, SD and TD must be ordered with the N option.
- Available on ELM627 and ELM1272 only.
- Available on ELM618, ELM627 and ELM1254 only.
- RT not available with SD. When ordering RT, an ELA LRT needs to be ordered separately.
- Not available with any other options.
- Damp location listed from 10° to 40°C (50° to 104°F) except ELM618N, ELM627N and ELM1254N which are listed from 15° to 32°C (60° to 90°F).
- NOM available with ELM618 and ELM1254 only (not available with any other option).

For additional lamp heads, remote fixtures, options and accessories, see pages 464-465. For application guidelines and fixture performance data, see page 478.

PRODUCT INFORMATION

IND

Indura® Industrial

**Intended Use**

Provides a minimum of 90 minutes of illumination for the rated wattage upon loss of AC power. Unique, innovative design for a variety of light and heavy industrial applications and heavy commercial environments. Superior-performance lamp heads are ideally suited for higher mounting heights. Perfect for pole and column mounting.

Construction

Rugged, .140" thick, injection-molded thermoplastic.

Vertical orientation is designed especially for pole or column mounting. Also suitable for wall and I-beam mounting. Ceiling and pendant mounting, with accessory equipment, available on selected models.

Easy-mount installation with one galvanized, 12-gauge steel mounting bracket shipped standard. Conduit entry points are located on top and both sides of the unit. Maintenance is made easy by tool-less re-lamp,

single tool entry, hinging front cover, printed circuit board mounting shelf and battery belt.

Non sealed-beam lamps feature unique field-adjustable beam spread.

Sealed maintenance-free, lead-calcium battery with wattage capacities from 18-450W for 90 minutes of emergency operation. Available in 6V, 12V and 24V.

Dual voltage input capability (120/277V). U.S. Patent

numbers. D419,097; 6,135,624 and 6,193,395.

Listings

UL Listed. Meets UL924. Damp location listing. Cold weather (ULT) listing. NFPA 101, NEC and OSHA illumination standards.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: IND1254 H2012 SEL

Series		Housing		Lamp type ¹		Options	
6V	IND12100 100W	(blank)	Navy back, gray front	6V	H2012 20W/12V halogen	(blank)	Damp location 50° to 103°F (10° to 40°C); except IND6100 and IND24450, which are listed 60° to 90°F (15° - 32°C).
IND618 18W	IND12150 150W	W	White	(blank)	H3512S 35W/12V halogen-sealed beam	XTRA	Extra package features remote test, time delay and damp location 50° to 104°F (10° to 40°C) ²
IND654 54W	IND12300 300W			H1206	12W/6V halogen	SEL	Select package features self diagnostics, time delay, audible failure indication and damp location 50° to 104°F (10° to 40°C)
IND6100 100W	IND12450 450W			H2006	20W/6V halogen	PREM	Premium package features high-temperature ni-cad battery (IND618 and IND1236 only) or high-ambient lead-calcium battery (IND12100 only), self diagnostics, time delay, audible failure indication and damp location; UL Listed for 32° to 131°F (0° to 55°C) ^{3,4}
12V	24V			12V	12W/12V halogen	ULT	Ultimate package features heater, thermostat, battery blanket with high-temperature ni-cad battery (IND618 and IND1236 only) or high-ambient lead-calcium battery (IND12100 only), self diagnostics, time delay, audible failure indication and damp location ^{4,5}
IND1236 36W	IND24100 100W			(blank)	9W/12V krypton		
IND1254 54W	IND24450 450W			H1212	12W/12V halogen		
					24V		
					(blank)	18W/24V incand.	
					H2024	20W/24V halogen	
					N5024S	50W/24V incand.-sealed beam	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

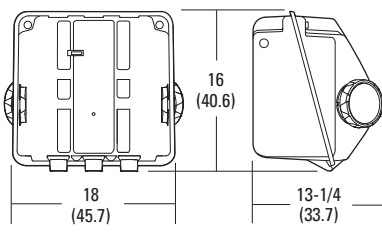
ELECTRICAL APPLICATION DATA

TYPE	AC INPUT ⁶		WATTS	OUTPUT VOLTS	OUTPUT WATTS			
	VOLTS	AMPS			1-1/2 HRS	2 HRS	3 HRS	4 HRS
IND618	120 / 277	.163 / .069	19.6 / 19.11	6 / 6	18 / 18	13.5 / 13.5	9 / 9	6 / 6
IND654	120 / 277	.172 / .075	20.64 / 20.78	6 / 6	54 / 54	40 / 40	27 / 27	20 / 20
IND6100	120 / 277	.171 / .064	20.5 / 17.7	6 / 6	100 / 100	75 / 75	50 / 50	37 / 37
IND1236	120 / 277	.174 / .078	20.9 / 21.61	12 / 12	36 / 36	27 / 27	18 / 18	13 / 13
IND1254	120 / 277	.174 / .078	20.88 / 21.6	12 / 12	54 / 54	40 / 40	27 / 27	20 / 20
IND12100	120 / 277	.174 / .074	20.88 / 20.49	12 / 12	100 / 100	75 / 75	50 / 50	37 / 37
IND12150	120 / 277	.359 / .168	43.08 / 46.54	12 / 12	150 / 150	112 / 112	75 / 75	56 / 56
IND12300	120 / 277	.290 / .130	34.8 / 36.1	12 / 12	300 / 300	225 / 225	150 / 150	112 / 112
IND12450	120 / 277	.33 / .15	39.96 / 43.77	12 / 12	450 / 450	337 / 337	225 / 225	168 / 168
IND24100	120 / 277	.33 / .15	39.6 / 41.55	24 / 24	100 / 100	75 / 75	50 / 50	37 / 37
IND24450	120 / 277	.773 / .327	92.76 / 90.58	24 / 24	450 / 450	337 / 337	225 / 225	168 / 168

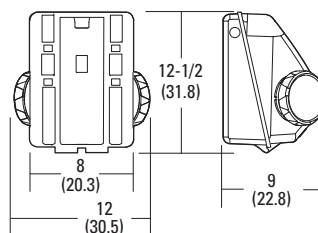
ACCESSORIES**ORDER SEPARATELY**

ELA RTT	Remote transmitter
ELA WG2M	Small wireguard
ELA BS	Banding strap
ELA IND R3	Pre-pack to install third head (does not include remote head)
ELA IND PM	Pendant-mount kit ⁷ (small housing only)
ELA IND CM1	Ceiling-mount kit for IND618
ELA IND CM2	Ceiling-mount kit for IND654/1236/1254
ELA IND CM3	Ceiling-mount kit for IND6100
ELA IND RH3	Remote head bracket for surface mount J-boxes
ELA WGLG	Large wireguard

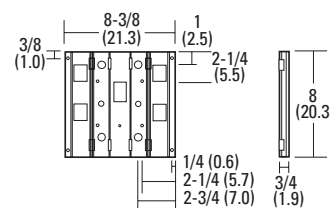
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Large Housing 160W PREM or ULT (150W - 450W)



Small Housing (18W-100W)



Universal Mounting Bracket

Notes

- All models provided with two lamp heads.
- Must order a remote transmitter (ELA RTT). One per job required.
- Only available on IND618, IND1236 and IND12100.
- IND12100 PREM and IND12100 ULT come in a larger housing size.
- UL Listed for -40° to 55° C (-40° to 131°F).
- Add 0.3 amps, 31watts for models with ULT option.
- ELA IND PM accessory cannot be used with the IND 12100 PREM or IND12100 ULT.

For additional lamp heads, remote fixtures, options and accessories, see pages 464-465.

For application guidelines and fixture performance data, see pages 477 and 480.

PRODUCT INFORMATION

Intended Use

Provides a minimum of 90 minutes of illumination for the rated wattage upon loss of AC power. Unique design for heavy and demanding industrial applications such as manufacturing plants, refineries, chemical plants, wastewater treatment facilities, food-processing facilities, breweries, loading docks and other applications subject to hosedown or industrial conditions. Superior-performance lamp heads are ideally suited

for higher mounting heights. Perfect for pole and column mounting.

Construction

Rugged, heavy-duty polycarbonate housing is sealed, gasketed and corrosion-resistant.

Vertical orientation - designed especially for pole or column mounting. Also suitable for wall and I-beam mounting.

Easy-mount installation with one epoxy-coated galvanized, 12-gauge steel mount-

ing bracket shipped standard. Conduit entry points are located on both sides of the unit. Maintenance is made easy by tool-less re-lamp, single tool entry, hinging front cover, printed circuit board mounting shelf and battery belt.

Non-sealed-beam lamps feature unique field-adjustable beam spread.

Sealed maintenance-free, lead-calcium battery with wattage capacities from 18W to 125W for 90 minutes of

emergency operation. Available in 6V, 12V and 24V.

Dual-voltage input capability (120/277V). U.S. Patent No. D419,097; 6,135,624 and 6,193,395.

Listings

UL Listed. Meets UL924. Cold weather (ULT) listing. NFPA 101, NEC and OSHA illumination standards. NEMA 4; 4X Rated. IP66 and NSF listed.

INDX

Indura® 4X



NSF

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: INDX1236 ULT

Series		Housing		Lamp type ²			Options		
<u>6V</u>	<u>24V</u>	(blank)	Gray	<u>6V</u>	H2012	20W/12V halogen	(blank)	UL listed to 4X standards.	
INDX618	18W	INDX24100	100W	W	White	(blank)	9W/6V krypton	XTRA	Extra package features remote test and time delay; UL Listed for 50° to 104°F (10° to 40°C) ³
INDX654	54W					H1206	12W/6V halogen	H5012S	50W/12V halogen sealed-beam
INDX6100	100W					H2006	20W/6V halogen	(blank)	18W/24V incandescent
<u>12V</u>						(blank)	9W/12V krypton	H2024	20W/24V halogen
INDX1236	36W					H1212	12W/12V halogen	N5024S	50W/24V incandescent sealed-beam
INDX1254	54W								
INDX12100	100W ¹								
INDX12125	125W								

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ELECTRICAL APPLICATION DATA

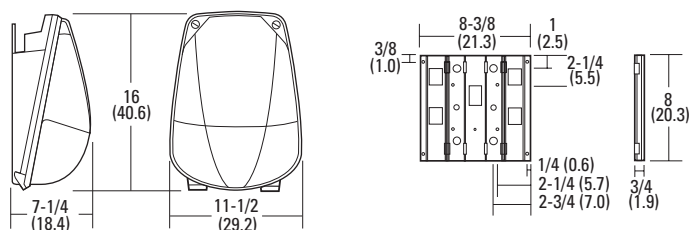
TYPE	AC INPUT ^a		WATTS	OUTPUT VOLTS	OUTPUT WATTS			
	VOLTS	AMPS			1-1/2 HRS	2 HRS	3 HRS	4 HRS
INDX618	120 / 277	.093 / .41	19.56 / 19.11	6 / 6	18 / 18	13.5 / 13.5	9 / 9	6 / 6
INDX654	120 / 277	.171 / .073	20.64 / 20.78	6 / 6	54 / 54	40 / 40	27 / 27	20 / 20
INDX6100	120 / 277	.144 / .062	20.52 / 20.22	6 / 6	100 / 100	75 / 75	50 / 50	37.5 / 37.5
INDX1236	120 / 277	.174 / .078	18.24 / 17.73	12 / 12	36 / 36	27 / 27	18 / 18	13 / 13
INDX1254	120 / 277	.174 / .078	20.88 / 21.61	12 / 12	54 / 54	40 / 40	27 / 27	20 / 20
INDX12100	120 / 277	.160 / .072	20.88 / 20.55	12 / 12	100 / 100	75 / 75	50 / 50	37.5 / 37.5
INDX12125	120 / 277	.160 / .072	20.88 / 20.55	12 / 12	125 / 125	93 / 93	62 / 62	46 / 46
INDX24100	120 / 277	.33 / .15	39.6 / 41.55	24 / 24	100 / 100	75 / 75	50 / 50	37 / 37

ACCESSORIES

ORDER SEPARATELY

ELA RTT	Remote transmitter
ELA BS	Banding strap
ELA INDX CM2	Ceiling-mount kit for INDX654/1236/1254
ELA WG4/8	Wireguard

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- 1 INDX12100 available with either the PREM or ULT package only.
- 2 All models provided with two lamp heads.
- 3 Must order a remote transmitter (ELA RTT). One per job required.
- 4 Only available on INDX618, INDX1236 or INDX12100.
- 5 UL Listed for -40° to 55°C (-40° to 131°F).
- 6 Add 0.3 amps, 31 watts for models with ULT option.

For additional lamp heads, remote fixtures, options and accessories, see pages 464-465.

For application guidelines and fixture performance data, see pages 477 and 480.

PRODUCT INFORMATION

ELT

Titan® Industrial Steel

**Intended Use**

Provides a minimum of 90 minutes of illumination for the rated wattage upon loss of AC power. Designed for general/light industrial environments requiring a steel housing.

Construction

Glass sealed-beam style lamps in polycarbonate lamp housings (metal housings standard on Chicago units).

Housing is die-formed steel, finished with corrosion-resistant instrument tan enamel.

Maintenance-free batteries. Lead-calcium standard; nickel-cadmium optional.

Titan® Series units will power a variety of remote devices up to rated wattage of unit.

Chicago compliant: ELT24C and ELT36C meet city of Chicago requirements.

New York City compliant: ELT618NY, ELT627NY and ELT1250NY meet New York City requirements. NY products feature 20-gauge, white steel housings and

two (ELT618NY) or three (ELT627NY and ELT1250NY) PAR36 style thermoplastic lamp heads. Dual voltage input capability (120/277V).

Listings

UL Listed. Meets UL924.



Example: ELT24

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Series	Housing ²	Number of lamps ²	Lamp type	Options
ELT16 16W/6V	Chicago compliant	NYC compliant	(blank) Instrument tan	(blank) Two heads
ELT24 24W/6V	ELT24C 24W/6V ¹	ELT618NY 18W/6V ¹	W White	RO Less lamp heads
ELT36 36W/6V	ELT36C 36W/6V ¹	ELT627NY 27W/6V ¹		MT Metal lamp heads
ELT50 50W/12V		ELT1250NY 50W/12V ¹		
ELT125 125W/12V				
ELT180 180W/12V				
ELT275 275W/12V				
			PAR36 sealed-beam	N2512 25W/12V incandescent
			6V³	H1212 12W/12V halogen
			(blank) 8W/6V incandescent	H3512 35W/12V halogen ⁵
			N1806 18W/6V incandescent	H5012 50W/12V halogen ⁵
			H1206 12W/6V halogen	
			12V⁴	
			(blank) 12W/12V incandescent	N Nickel-cadmium battery ²
				H 8W halogen lamps ⁶
				AM Ammeter ^{7,8}
				VM Voltmeter ⁸
				LD Load disconnect switch
				TD Integral time delay ^{8,9}

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.**ELECTRICAL APPLICATION DATA**

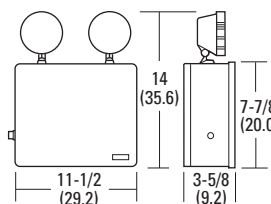
TYPE	AC INPUT			OUTPUT VOLTS	OUTPUT WATTS			
	VOLTS	AMPS	WATTS		1-1/2 HRS	2 HRS	3 HRS	4 HRS
ELT16	120	.167	20	6	16	12	8	6
ELT16	277	.072	20	6	16	12	8	6
ELT24	120	.167	20	6	24	24	16	12
ELT24	277	.072	20	6	24	24	16	12
ELT24C	120	.167	20	6	24	24	16	12
ELT24C	277	.072	20	6	24	24	16	12
ELT36	120	.167	20	6	36	36	24	18
ELT36	277	.072	20	6	36	36	24	18
ELT36C	120	.167	20	6	36	36	24	18
ELT36C	277	.072	20	6	36	36	24	18
ELT50	120	.250	30	12	50	37	25	18
ELT50	277	.108	30	12	50	37	25	18
ELT125	120	.250	30	12	125	93	67	46
ELT125	277	.108	30	12	125	93	67	46
ELT180	120	.287	50	12	180	135	90	67
ELT180	277	.125	50	12	180	135	90	67
ELT275	120	.287	50	12	275	206	137	103
ELT275	277	.125	50	12	275	206	137	103
ELT618NY	120	.066	7.10	6	18	-	-	-
ELT618NY	277	.031	8.0	6	18	-	-	-
ELT627NY	120	.066	7.10	6	27	-	-	-
ELT627NY	277	.031	8.0	6	27	-	-	-
ELT1250NY	120	.063	7.0	12	50	-	-	-
ELT1250NY	277	.033	8.4	12	50	-	-	-

ACCESSORIES

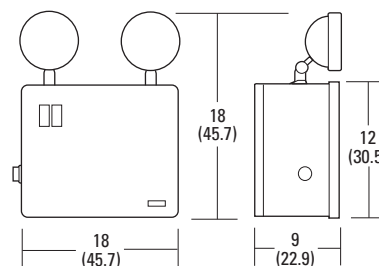
ORDER SEPARATELY

ELA WG2	Small wireguard (16-50W)
ELA WG 4/8	Large wireguard (50-275W)
ELA MSTS	Mounting shelf (50-275W) ¹⁰
ELA MST	Mounting shelf (16-50W) ¹⁰

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Weight: ELT 16/24/24C: 12.5 lbs (5.7 kg)
ELT 36/36C/50: 17 lbs (7.7 kg)



Weight: ELT 125: 43.5 lbs (19.7 kg)
ELT 180: 58.5 lbs (26.5 kg)
ELT 275: 61.5 lbs (27.9 kg)

Notes

- No options available.
- Only available on ELT16, ELT24 and ELT50.
- Only available on ELT16, ELT24 and ELT36.
- Only available on ELT125, ELT180 and ELT275.
- Must be ordered with the MT option.
- H option is a 6W lamp on the ELT24.
- AM and VM must be ordered together.
- ELT50 unit uses ELT125 housing when ordered with VM, AM or TD options.
- Only available on ELT50, ELT125, ELT180 and ELT275.
- Standard color instrument tan.

Intended Use

Provides a minimum of 90 minutes of illumination for the rated wattage upon loss of AC power. Designed for Class I, Division 2 environments.

Construction

Impact-resistant, fiberglass-reinforced polyester housing. Gray with stainless steel hardware. View-through window allows easy monitoring of AC indicator and optional voltmeter and ammeter.

Housing suitable for use in NEMA 4, 4X, 12 and 13 areas; Class I, Division 2, Groups A, B, C and D, Zone 2, Groups IIA, IIB + H2 and IIC and Class II, Division 2, Groups F and G.

Lamp heads are Class I, Div. 2 rated polycarbonate sealed-beam PAR36 tungsten or halogen lamps. 8W tungsten lamps for 6V units and 12W tungsten lamps for 12V units are standard.

Optional shatter-resistant shield is designed for use in food-service areas.

Listings

UL Listed. Meets UL924.

Z - CLASS I, DIV. 2

Hazardous Location



Example: Z650 N2506 SD

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Series	Voltage ⁵	Number of lamps	Lamp type	Options																																										
<table border="1"> <tr> <th>6V lead-calcium</th> <th>6V nickel-cadmium</th> <th>12V nickel-cadmium</th> </tr> <tr> <td>Z625 25W¹</td> <td>Z625N 25W^{1,4}</td> <td>Z1225N 25W^{1,4}</td> </tr> <tr> <td>Z650 50W¹</td> <td>Z650N 50W^{1,4}</td> <td>Z1250N 50W^{1,4}</td> </tr> <tr> <td>Z6100 100W^{2,3}</td> <td><u>12V lead-calcium</u></td> <td>Z1275N 75W^{1,4}</td> </tr> <tr> <td>Z6125 125W³</td> <td>Z1225 25W¹</td> <td>Z12100N 100W^{1,4}</td> </tr> <tr> <td></td> <td>Z1250 50W^{1,2}</td> <td>Z12125N 125W^{1,4}</td> </tr> <tr> <td></td> <td>Z12120 120W³</td> <td></td> </tr> </table>	6V lead-calcium	6V nickel-cadmium	12V nickel-cadmium	Z625 25W ¹	Z625N 25W ^{1,4}	Z1225N 25W ^{1,4}	Z650 50W ¹	Z650N 50W ^{1,4}	Z1250N 50W ^{1,4}	Z6100 100W ^{2,3}	<u>12V lead-calcium</u>	Z1275N 75W ^{1,4}	Z6125 125W ³	Z1225 25W ¹	Z12100N 100W ^{1,4}		Z1250 50W ^{1,2}	Z12125N 125W ^{1,4}		Z12120 120W ³		(blank) 120/277V	(blank) Two R1 One R0 None	<table border="1"> <tr> <th>PAR36 sealed-beam, 6V</th> <th>PAR36 sealed-beam, 12V</th> </tr> <tr> <td>(blank) 8W/6V incandescent</td> <td>(blank) 12W/12V incandescent</td> </tr> <tr> <td>N1806 18W/6V incandescent</td> <td>N1812 18W/12V incandescent</td> </tr> <tr> <td>N2506 25W/6V incandescent</td> <td>N2512 25W/12V incandescent</td> </tr> <tr> <td>N3006 30W/6V incandescent</td> <td>N3012 30W/12V incandescent</td> </tr> <tr> <td>H0806 8W/6V halogen</td> <td>H0812 8W/12V halogen</td> </tr> <tr> <td>H1206 12W/6V halogen</td> <td>H1212 12W/12V halogen</td> </tr> </table>	PAR36 sealed-beam, 6V	PAR36 sealed-beam, 12V	(blank) 8W/6V incandescent	(blank) 12W/12V incandescent	N1806 18W/6V incandescent	N1812 18W/12V incandescent	N2506 25W/6V incandescent	N2512 25W/12V incandescent	N3006 30W/6V incandescent	N3012 30W/12V incandescent	H0806 8W/6V halogen	H0812 8W/12V halogen	H1206 12W/6V halogen	H1212 12W/12V halogen	<table border="1"> <tr> <td>SD Self diagnostics³</td> </tr> <tr> <td>SDA Self diagnostics with alarm³</td> </tr> <tr> <td>AM Ammeter</td> </tr> <tr> <td>TD Time delay w/ SD or SDA</td> </tr> <tr> <td>TD1 Time delay 120 VAC w/o SD</td> </tr> <tr> <td>TD2 Time delay 277 VAC w/o SD</td> </tr> <tr> <td>SRS Shatter-resistant lamp head shield</td> </tr> </table>	SD Self diagnostics ³	SDA Self diagnostics with alarm ³	AM Ammeter	TD Time delay w/ SD or SDA	TD1 Time delay 120 VAC w/o SD	TD2 Time delay 277 VAC w/o SD	SRS Shatter-resistant lamp head shield
6V lead-calcium	6V nickel-cadmium	12V nickel-cadmium																																												
Z625 25W ¹	Z625N 25W ^{1,4}	Z1225N 25W ^{1,4}																																												
Z650 50W ¹	Z650N 50W ^{1,4}	Z1250N 50W ^{1,4}																																												
Z6100 100W ^{2,3}	<u>12V lead-calcium</u>	Z1275N 75W ^{1,4}																																												
Z6125 125W ³	Z1225 25W ¹	Z12100N 100W ^{1,4}																																												
	Z1250 50W ^{1,2}	Z12125N 125W ^{1,4}																																												
	Z12120 120W ³																																													
PAR36 sealed-beam, 6V	PAR36 sealed-beam, 12V																																													
(blank) 8W/6V incandescent	(blank) 12W/12V incandescent																																													
N1806 18W/6V incandescent	N1812 18W/12V incandescent																																													
N2506 25W/6V incandescent	N2512 25W/12V incandescent																																													
N3006 30W/6V incandescent	N3012 30W/12V incandescent																																													
H0806 8W/6V halogen	H0812 8W/12V halogen																																													
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ADDITIONAL INFORMATION

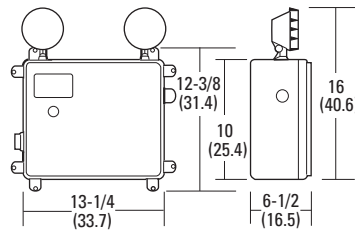
For additional product information, visit www.lithonia.com.

ELECTRICAL		
INPUT POWER REQUIREMENTS		
120 VAC	.58 amps max	.65W max
277 VAC	.27 amps max	.68W max

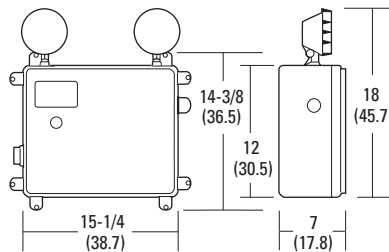
OPERATION DC VOLTAGE	UNIT	STANDARD LAMP HEAD	WATTS TO 87.5% OF RATED VOLTAGE			
			1-1/2 HRS	2 HRS	4 HRS	8 HRS
6	Z625	N0806	25	19	12	-
6	Z650	N0806	50	37.5	24	8.5
6	Z6100	N0806	100	75	48	17
6	Z6125	N0806	125	94	60	21.5
6	Z625N	N0806	25	19	12	-
6	Z650N	N0806	50	37.5	24	8.5
12	Z1225	N1212	25	19	12	-
12	Z1250	N1212	50	37.5	24	8.5
12	Z12120	N1212	120	90	58	20
12	Z1225N	N1212	25	19	12	-
12	Z1250N	N1212	50	37.5	24	8.5
12	Z1275N	N1212	75	56.5	28.5	15
12	Z12100N	N1212	100	75	48	17
12	Z12125N	N1212	125	94	60	21.5

SHIPPING WEIGHT	
Z625	18 lbs (8 kg)
Z650	18 lbs (8 kg)
Z6100	27 lbs (12 kg)
Z6125	29 lbs (13 kg)
Z625N	16 lbs (7 kg)
Z650N	18 lbs (8 kg)
Z1225	29 lbs (13 kg)
Z1250	29 lbs (13 kg)
Z12120	22 lbs (10 kg)
Z1225N	18 lbs (8 kg)
Z1250N	18 lbs (8 kg)
Z1275N	20 lbs (9 kg)
Z12100N	29 lbs (13 kg)
Z12125N	29 lbs (13 kg)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



25W-75W Units



100W-125W Units

Notes

- In addition to UL 924, units are listed to 844, 1203 and 1604.
- Includes temperature compensated charger.
- Self diagnostics not available on Z6100, Z6125 and Z12120.
- Nickel-cadmium units are the only units listed for Class II, Div. 2, Groups F and G applications.
- Special voltages available; consult factory.
- Option configurations may impact UL listing. Consult factory for specifics. For matching remote lamp head or other remote fixture options, see page 464.

PRODUCT INFORMATION

LZ/LHZ - CLASS I, DIV. 2

Hazardous Location



Intended Use

Combo and EL N exit provide 90 minutes of operation for the rated wattage upon loss of AC power. Both are designed for Class I, Division 2 and Class II, Division 2 environments.

Construction

Impact-resistant, fiberglass reinforced polyester housing. Gray with stainless steel

hardware and clear polycarbonate cover. Includes one-piece formed gasket and corrosion-resistant hardware. Standard internal or external mounting feet for installation flexibility.

Housing suitable for NEMA 4, 4X, 12 and 13 areas; Class I, Division 2, Groups A, B, C and

D, Zone 2, Groups IIA, IIB + H2 and IIC.

Lamp heads are Class I, Div. 2 rated polycarbonate sealed-beam PAR36 tungsten or halogen lamps. 6W halogen lamps standard.

Dual-voltage input capability (120/277V).

Optional shatter-resistant shield is designed for use in food-service areas.

Non-diffuse LEDs provide maximum face illumination.

LED life up to 25 years based on continuous operation.

Listings

UL Listed. Meets UL924.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

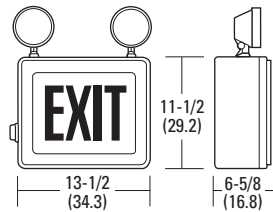
Example: LZ S 1 R 120/277 EL N SD

Series	Face type	Housing	Number of faces	LED color	Voltage	Lamp heads ²	Lamp type ²	Operation	Options ³
LZ	LED hazardous exit	S Stencil (blank) Gray	1 Single	R Red G Green	120/277 Dual-voltage	(blank) 2 heads	PAR36 sealed beam	(blank) Non-emergency	SD Self diagnostics
LHZ	6V, 6W lead-calcium battery ¹					R1 1 head	(blank) 6W/6V halogen	EL N Nickel-cadmium battery	SDA Self diagnostics with alarm
LHZ612	6V, 12W lead-calcium battery					RO No heads	N0806 8W/6V incand.		TD Time delay w/ SD or SDA
LHZ624	6V, 24W lead-calcium battery						N1806 18W/6V incand.		TD1 Time delay 120 VAC w/o SD or SDA
LHZ660	6V, 60W lead-calcium battery						N2506 25W/6V incand. N3006 30W/6V incand. H0806 8W/6V halogen H1206 12W/6V halogen		TD2 Time delay 277 VAC w/o SD or SDA SRS Shatter-resistant lamp head shield

ADDITIONAL INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Electrical (EXIT): input power requirements at 120V AC (red and green): AC only = 9.5W; emergency operation = 11W, .90 power factor

Electrical (Combo): input power requirements at 120V AC: Red or green = 25.2W max.

Notes

- LHZ has 6W total capacity. Will be shipped with one 6W lamp head unless RO option is selected.
- Not available with LZ.
- Some option configurations may impact UL listing; consult factory for details.

PRODUCT INFORMATION

ELA ZCD - CLASS II, DIV. 1

Hazardous Location



Intended Use

ELA ZCD model suitable for use in Class II and III, Division 1 environments.

Construction

Corrosion-resistant, cast aluminum alloy with epoxy polyester finish.

Top-mount fixture with single wall remote has universal junction box with four tapped holes for 3/4" rigid conduit (three close-up plugs provided).

Twin wall remote has junction box with two tapped

holes for 3/4" rigid conduit (one close-up plug provided).

Listings

UL Listed (standard). Meets UL 844 and 1203 illumination standards. UL Listed for use in Class II, Division 1, Groups E, F, G and Class III areas.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: ELA ZCD H1212 WM

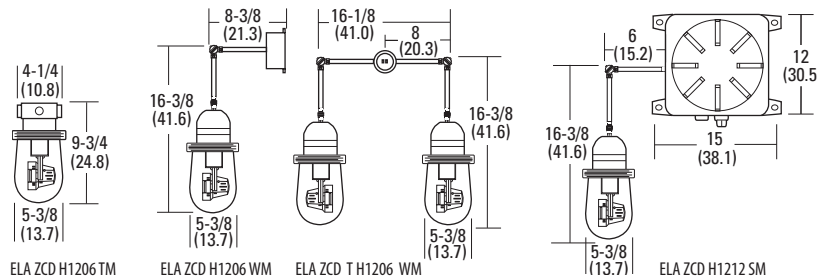
Series	Number of lamps	Lamp type	Mounting	Options
ELA ZCD Hazardous combustible dust	(blank) Single T Twin ¹	H1206 12W/6V halogen H1212 12W/12V halogen	WM Wall mount TM Top mount SM Side mount to ZX1250N unit	WGZCD Wireguard ²

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

Shipping weight: 18 lbs (8 kg)



Notes

- Only available with wall mount.
- Order separately ELA WGZCD.

Intended Use
Suitable for use in Class I, Div. 1, Groups C and D, Zones 0, 1 and 2, Groups IIA, IIB + H2 and IIC; Class I, Div. 2, Groups

C and D, Zone 2, Groups IIA, IIB + H2 and IIC; Class II, Div.1, Groups E, F and G; Class I, Div. 2, Groups F and G, and Class III hazardous location areas.

Construction
Copper-free cast-aluminum enclosure withstands explosions generated by internal arc without propagating

them into hazardous atmosphere. Dual-voltage input capability (120/277V).
Listings
UL Listed (standard).

ZX - CLASS I, DIV. 1

Hazardous Location



Example: ZX614N TD1

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Series			Options	
6V lead-cadmium	6V nickel-cadmium	12V nickel-cadmium	KLD	Key lock two-way, battery disconnect for servicing
ZX685 85W ¹	ZX614N 14W ²	ZX1250N 50W ¹	TD1	Time delay 120 VAC
	ZX628N 28W		TD2	Time delay 277 VAC

ADDITIONAL INFORMATION

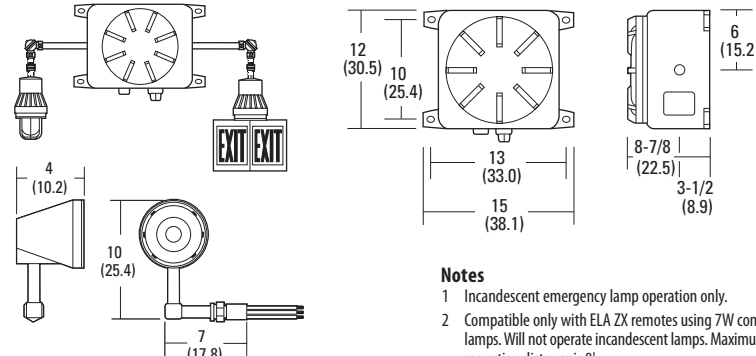
For additional product information, visit www.lithonia.com.

THE SAMPLE APPLICATION CONSISTS OF:

- (1) ZX614N - 14W power pack for exclusive use with compact fluorescent fixtures
- (2) ELA SEA - Elbow arms
- (2) ELA ZX CF0706 PM - 7W compact fluorescent lamp fixture
- (1) ELA EAK - Exit accessory kit

ACCESSORIES		SHIPPING WEIGHT	
ORDER SEPARATELY			
ELA ZX DRH	12W/12V directional head ³	ZX614N	63 lbs (28 kg)
		ZX628N	65 lbs (29 kg)
		ZX1250N	67 lbs (30 kg)
		ZX685	69 lbs (31 kg)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



ELA ZX DRH Accessory

Notes

- 1 Incandescent emergency lamp operation only.
- 2 Compatible only with ELA ZX remotes using 7W compact fluorescent lamps. Will not operate incandescent lamps. Maximum remote mounting distance is 8'.
- 3 Must be used with ZX1250N unit.

PRODUCT INFORMATION

Intended Use
Suitable for use in Class I, Div. 1, Groups C and D, Zones 0, 1 and 2, Groups IIA, IIB + H2 and IIC; Class I, Div. 2, Groups C and D, Zone 2, Groups IIA, IIB + H2 and IIC; Class II, Div. 1, Groups E, F and G; Class I, Div.

2, Groups F and G and Class III hazardous location areas.
Construction
Copper-free, cast-aluminum enclosure withstands pressure of explosions generated by internal arc without propagating

them into hazardous atmosphere. Enclosure has corrosion-resistant, epoxy powder coat finish.
Top- and wall-mount fixtures have a universal junction box with four tapped holes for

3/4" rigid conduit (three hole plugs provided).
Listings
UL Listed (standard). Meets UL 844 illumination standards.

ELA ZX - CLASS I, DIV. 1

Hazardous Location



Example: ELA ZX H0706 WM

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Series	Head style	Lamp type	Mounting	
ELA	ZX Explosion-proof	<u>Emergency only, halogen</u>	H1206	12W/6V halogen
		H0706	7W/6V halogen	H1212
		H1006	10W/6V halogen	<u>AC / emergency operation</u>
			CF0706	7W compact fluorescent ¹
			WM	Wall mount
			PM	Pendant mount
			TM	Top mount

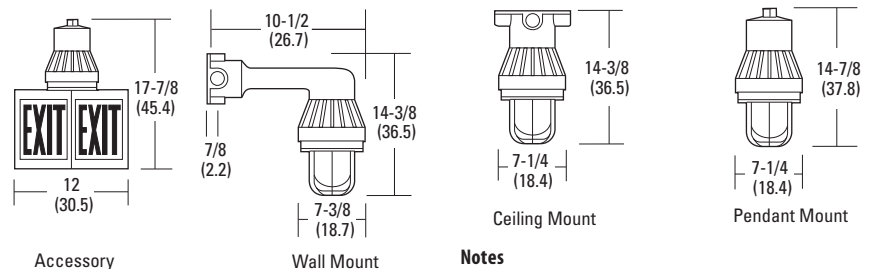
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ACCESSORIES	
ORDER SEPARATELY	
ELA 3CH	3-way explosion-proof 3/4" conduit hub.
ELA SEA	Swivel elbow arm for use with pendant-mount fixture to connect to ELA 3CH or ELA ZX unit.
ELA EAK	Exit accessory kit (red silk-screened letters on white background).
ELA SDR	Straight dome reflector.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

Shipping weight: 15 lbs (7 kg)



Accessory

Wall Mount

Ceiling Mount

Pendant Mount

Notes

- 1 Operates only with ZX614N power pack in AC and emergency modes. Maximum mounting distance from ZX 614N is 8'. See specification sheet UE-296 for details.

ELA

Remote Lamp Heads

Intended Use

To be powered by 6, 12 or 24V battery equipment as part of an emergency lighting system providing light for the path of egress. Order separately.



Standard PAR36



Multi-Faceted Reflector



Indura® Remote



Sealed and Gasketed PAR36



Metal PAR36



Hazardous PAR36

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: ELA IND H2012

Series	Finish	Number of lamps	Lamp head style	Lamp type ¹
ELA	(blank) Standard color	(blank) Single	(blank) Standard PAR36	Specify lamp type, see configuration tables below.
	B Black	T Twin	MR24 Multi-faceted reflector	
	W White		IND Indura ²	
	ITN Instrument tan (Titan® Series match)			
	TN Desert tan			
	Specify color, see availability table below			
			NX Sealed and gasketed PAR36	
			MT Metal PAR36	
			Z Hazardous PAR36 (Class I, Division II)	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

COMPOSITE LAMPS

	6V HALOGEN		6V KRYPTON		12V HALOGEN		12V KRYPTON	24V INCANDESCENT	24V HALOGEN
Wattage	12W	20W	6W	9W	12W	20W	9W	18W	20W
Lamp type	H1206	H2006	K0606	K0906	H1212	H2012	K0912	N1824	H2024
MR24	■	■	■	■	■	■	■		
IND	■	■		■	■	■	■	■	■

SEALED-BEAM LAMPS

	6V INCANDESCENT			6V HALOGEN			12V INCANDESCENT				12V HALOGEN				24V INCANDESCENT	120V PAR36		
Wattage	8W	12W	18W	6W	8W	12W	12W	18W	25W	35W	8W	12W	35W	50W	50W	15W	30W	50W
Lamp type	N0806	N1206	N1806	H0606	H0806	H1206	N1212	N1812	N2512	N3512	H0812	H1212	H3512	H5012	N5024	N15120	N30120	N50120
IND ²													■	■	■			
NX	■	■		■	■	■	■	■	■	■	■	■	■	■				
Standard PAR36	■	■		■	■	■	■	■	■		■	■						
MT	■	■	■	■	■	■	■	■	■		■	■	■	■		■	■	■
Z	■		■	■	■	■	■	■	■		■	■						

REMOTE HEAD AND DIMENSIONS³

SERIES	STANDARD COLOR	OTHER COLOR	WIDTH (SINGLE HEAD)	WIDTH (TWIN HEADS)	HEIGHT (SINGLE HEAD)	HEIGHT (TWIN HEADS)	DEPTH
Standard PAR36	Desert tan	White, black, instrument tan	4-3/4 (12.1)	13 (33)	7-3/4 (19.7)	7-3/4 (19.7)	5-1/16 (12.9)
MR24	White	Black	4-5/8 (11.7)	6-5/8 (16.8)	6-5/8 (16.8)	4-1/2 (11.4)	2-1/2 (6.3)
IND	Gray/blue	White	5-7/8 (14.9)	7-1/8 (18.1)	5-1/8 (13)	5-1/8 (13)	5-3/8 (13.7)
NX	Gray	White, black	4-3/4 (12.1)	13 (33)	7-3/4 (19.7)	7-3/4 (19.7)	5-1/16 (12.9)
MT	Brushed aluminum	N/A	4-5/8 (11.7)	10-1/2 (26.7)	5-1/8 (13)	5-1/8 (13)	6-1/2 (16.5)
Z	Gray	N/A	4-3/4 (12.1)	1" (33)	7-3/4 (19.7)	7-3/4 (19.7)	5-1/16 (12.9)

■ = Available

MOUNTING PLATE DIMENSIONS³

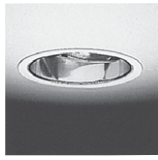
SERIES	WIDTH	HEIGHT
MT (single head)	2-3/4 (7.0)	4-1/2 (11.5)
MT (twin heads)	4-9/16 (11.6)	4-1/2 (11.5)
IND	5-1/8 (13)	4-11/16 (11.9)
MR24	6-7/8 (17.5)	4-5/8 (11.7)
All others	3-1/8 (7.9)	5 (12.7)

Notes

- Consult factory for additional lamp availability.
- For Indura sealed beam lamps, add suffix S to lamp nomenclature. Example: H3512S.
For photometric information, visit www.lithonia.com
- Dimensions are shown in inches (centimeters) unless otherwise noted.

Remote Fixtures

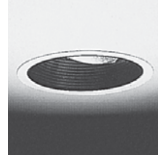
Open Cone¹



6" PAR36²
 ELA OC N0806 (6V/8W)
 ELA OC H0806 (6V/8W)
 ELA OC N1212 (12V/12W)
 3" MR16 LV3 Series
 ELA LV3 OC H1006
 ELA LV3 OC H1012

L = 11-3/8 (28.9), W = 8-3/8 (21.3), H = 8-1/2 (21.6)

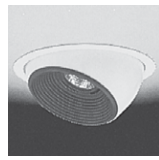
Stepped Baffle



6" PAR36²
 ELA SB N0806 (6V/8W)
 ELA SB H0806 (6V/8W)²
 ELA OC N1212 (12V/12W)
 3" MR16 LV3 Series
 ELA LV3 SB H1006
 ELA LV3 SB H1012

L = 11-3/8 (28.9), W = 8-3/8 (21.3), H = 8-1/2 (21.6)

Eyeball¹



6" PAR36²
 ELA EB N0806 (6V/8W)
 ELA EB N1212 (12V/12W)
 ELA EB H1212 (12V/12W)
 3" MR16 LV3 Series
 ELA LV3 EB H1006²
 ELA LV3 EB H1012²

L = 11-3/8 (28.9), W = 8-3/8 (21.3), H = 5-1/2 (14.0)

Recessed Rectangle



ELA RR
 S8 or S11 DC bayonet
 base lamp up to 25W
 (not included)

L = 8-1/4 (21.0), W = 4-1/2 (11.4), D = 3-3/8 (8.6)

Square Series



ELA SQR6V (6V/10W)
 ELA SQR12V (12V/12W)

Note: Order ELA FRK for fully recessed mounting or ELA SRK for semi-recessed mounting.

L = 10-5/8 (27.0), W = 10-5/8 (27.0), H = 3-1/2 (8.9)

Surface Gimbal



ELA SG N1212 (12V/12W)
 ELA SG N1812 (12V/18W)
 ELA SG N2512 (12V/25W)
 ELA SG H0812 (12V/8W)
 ELA SG H1212 (12V/12W)

Diameter = 7-7/8 (20.0), depth = 5 (12.7)

Recessed Gimbal



ELA RG N1212 (12V/12W)
 ELA RG N1812 (12V/18W)
 ELA RG N2512 (12V/25W)
 ELA RG H0812 (12V/8W)
 ELA RG H1212 (12V/12W)

Diameter = 8-1/4 (21.0), Depth = 5-1/4 (13.3)

Weatherproof



ELA AFNR
 Two 6W, 6V, Xenon lamps

L = 9-1/2 (24.1), W = 6-1/2 (16.5), D = 2-3/4 (6.9)

Outdoor Step Light



ELA OSL
 12W halogen bi-pin lamp
 (not included)

Outdoor Mini Cylinder³



MR11
 ELA OMC DDB
 ELA OMC DNA
 ELA OMC
 H1006 (6V/10)
 H2006 (6V/20W)
 H1012 (12V/10W)
 H2012 (12V/20W)

Round Outdoor Step Light



MR16
 ELA CL
 H1006 (6V/10W)
 H2006 (6V/20W)
 H1012 (12V/10W)
 H2012 (12V/10W)

Notes

- 1 Rough-in section same as Lithonia Lighting downlighting LV Series, less transformer.
- 2 Other lamps available.
- 3 Twin version available.

Dimensions are shown in inches (centimeters) unless otherwise noted.

WIREGUARD COMPATIBILITY / UL LISTED PRODUCTS

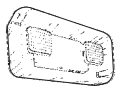
CATALOG NUMBER	ELT 50 ¹ (W/ OPTIONS), 125 ¹ , 180 ¹ , 250 ¹ , 275 ¹ , IND ^X	SINGLE REMOTE HEADS	TWIN REMOTE HEADS	ELT 50 (W/ OPTION), 125, 180, 250, 275	IND (18-100 W)	ELM618, ELM627, ELM654, ELM1254, ELM1272	ELM; ELM2; ELT 16, 24, 36, 50; ELSQ	IND (100W w/ PREM or ULT; 150 - 450W)	DIMENSIONS
ELA WGLG								■	21W x 20H x 18D
ELA WGLT				■					22-15/16W x 24-3/8H x 12-3/8D
ELA WGRH		■							11-15/16W x 12-3/8H x 9-3/8D
ELA WGST							■		15W x 15H x 6D
ELA WG2			■				■		15-1/8W x 14-3/8H x 8-5/8D
ELA WG2M					■	■			20-1/4W x 15H x 12D
ELA WG4/8	■			■					22-1/8W x 22-15/16H x 10D

■ = Available

Unit Accessories

Vandal Shield

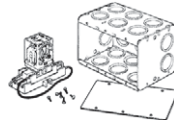
ELA VS2
 ELA VS



1/8" thick, (ELAVS2) high-impact or 3/16" thick (ELAVS) transparent polycarbonate shield. Fits all Lithonia Lighting Quantum[®] ELM and ELM2 (ELA VS), ELM618, ELM627, ELM654, ELM1254 and ELM1272 (ELA VS2) units. 10" H x 22" W x 9-3/4" D (ELA VS2); 8-1/2" H x 15" W x 4-3/4" D (ELA VS).

Low-Voltage Relay

ELA LVR

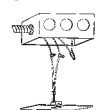


Converts any incandescent low-voltage (12V) downlight (75W maximum) to an emergency downlight when remotored from a 12V Lithonia Lighting emergency lighting unit (ELT125, etc.).

Remote Test Switch

Less Pilot Light

ELA RTL^P

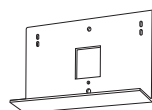


Provides remote testing capability to all Lithonia Lighting unit equipment, exit signs, fluorescent battery packs and emergency downlights. Mounts on standard J-box, ceiling or wall.

Mounting Shelves

ELA MST²

ELA MST^{S2}



ELT125, ELT180, ELT275

ELT16, ELT24, ELT24C,

ELT36, ELT36C, ELT50

Notes

- 1 Without heads.
- 2 Standard instrument tan.

PRODUCT INFORMATION

EXIT SIGNS



Intended Use
Ideal for applications requiring general-purpose emergency lighting.

Construction
Thermoplastic housing.

Dual voltage 120/277VAC.

LED illuminated exit features low energy consumption.

Fully assembled single-face exit with extra faceplate.

Universal (top, end or back) mounting with canopy included.

Battery back-up models provided with test switch and status indicator for visual and

manual means of monitoring system operation.

One-year warranty.

Listings
UL Listed.

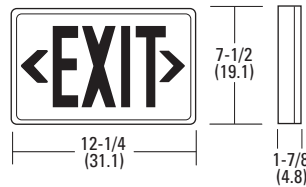
CONTRACTOR
SELECT lightquick **XD**

ORDERING INFORMATION

For additional product information, visit www.lithonia.com.

CATALOG NUMBER	DESCRIPTION	VOLTS	AMPS	WATTS	STANDARD CARTON QTY.
EXR M6	Red	120	.03	3.8	6
EXR M6	Red	277	.02	3.8	6
EXG M6	Green	120	.03	3.8	6
EXG M6	Green	277	.02	3.8	6
EXR EL M6	Red with backup battery	120	.03	3.8	6
EXR EL M6	Red with backup battery	277	.02	3.8	6
EXG EL M6	Green with backup battery	120	.03	3.8	6
EXG EL M6	Green with backup battery	277	.02	3.8	6

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

EXIT-UNIT COMBOS



Intended Use
Ideal for applications requiring general-purpose emergency lighting.

Construction
Thermoplastic housing.

Dual voltage 120/277VAC.

LED illuminated combo sign features low energy consumption.

Fully assembled single-face combo comes with optional extra faceplate.

Top or back mounting capabilities. Canopy provided.

Two 5.4W lamps to provide emergency lighting for 90 minutes, included. High-output option yields 12W extra capacity.

Provided with test switch and status indicator for visual and manual means of monitoring system operation.

One-year warranty.

Listings
UL Listed.

CONTRACTOR
SELECT lightquick **XD**

ORDERING INFORMATION

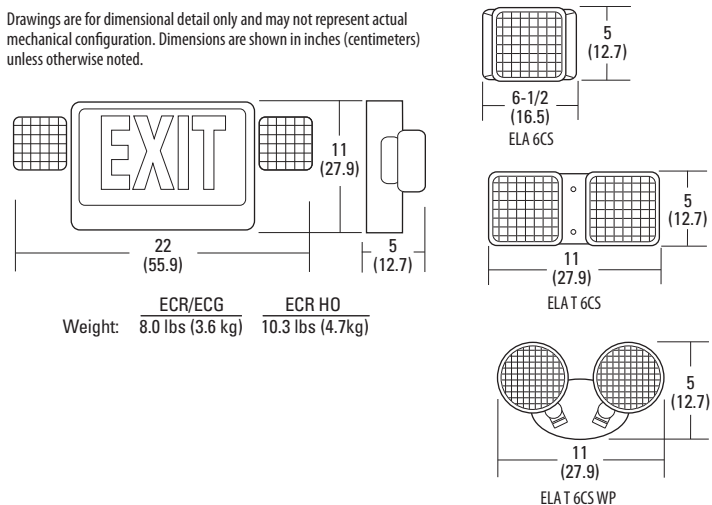
For additional product information, visit www.lithonia.com.

CATALOG NUMBER	DESCRIPTION	VOLTS	AMPS	WATTS ¹	STANDARD CARTON QTY.
ECR M6	Red	120	.1	5.4	6
ECR M6	Red	277	.05	5.4	6
ECG M6	Green	120	.1	5.4	6
ECG M6	Green	277	.05	5.4	6
ECR HO M6	Red, high output	120	.12	5.4	6
ECR HO M6	Red, high output	277	.06	5.4	6

ACCESSORIES
ORDER SEPARATELY

CATALOG NUMBER	DESCRIPTION	VOLTS	WATTS ¹	STANDARD CARTON QTY.
ELA 6CS M12	Single remote head	6	5.4	12
ELAT 6CS M12	Double remote head	6	5.4	12
ELAT 6CS WP M12	Double remote head, weather proof	6	5.4	12

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes
1 Per lamp head.

PRODUCT INFORMATION

Intended Use

Ideal for applications requiring general-purpose emergency lighting.

Construction

Injection-molded, V-0 flame-retardant, high-impact thermoplastic housing.

Dual voltage 120/277VAC.

Two 5.4W lamps provide emergency lighting for 90 minutes.

Test switch and status indicator provided for visual and manual means of monitoring system operation.

One-year warranty.

Listings

UL Listed. Meets UL924.

Indoor damp location listed standard.

EMERGENCY UNITS

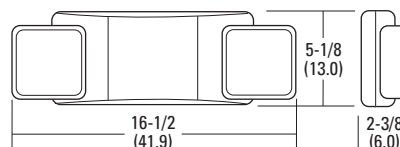


ORDERING INFORMATION

For additional product information, visit www.lithonia.com.

CATALOG NUMBER	DESCRIPTION	VOLTS	AMPS	WATTS ¹	STANDARD CARTON QTY.
EU2 M6	White thermoplastic 6-volt self-contained emergency lighting unit	120	.06	5.4	6
EU2 M6	White thermoplastic 6-volt self-contained emergency lighting unit	277	.03	5.4	6

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Max. weight: 4 lbs (1.8 kg)

Notes

1 Per lamp head.

PRODUCT INFORMATION

Intended Use

Operates most 2' or 4' linear or U-shaped single T8 or T12 fluorescent lamp for 90 minutes. Compatible with most electronic T8 and magnetic T12, instant-start, rapid-start and slimline ballasts. Field installable only.

Construction

Low-profile black, 20-gauge steel, permanently sealed housing.

Rated 500 lumens with one F32T8 linear 4' lamp. Other lamp lumen ratings will vary.

Patent integrated test switch pilot light. US PATENT No. 6, 522, 147.

Sealed, maintenance-free, high-temperature nickel-cadmium battery.

Dual-voltage input capability (120/277V).

Listings

UL Listed.

FLUORESCENT BATTERY PACKS

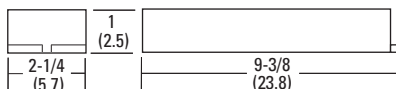


ORDERING INFORMATION

For additional product information, visit www.lithonia.com.

CATALOG NUMBER	DESCRIPTION	VOLTS	AMPS	WATTS	STANDARD CARTON QTY.
E1500 M12	500-lumen fluorescent battery pack	120	.27	2.3	12
E1500 M12	500-lumen fluorescent battery pack	277	.26	2.2	12

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

PS

Power Sentry®



Intended Use
 Factory- or field-installed inside or outside (field only) a fluorescent fixture to operate lamp(s) at an initial output of 10% to 95% of rated lamp lumens, providing optimum glare-free illumination for a minimum of 90 minutes upon interruption of normal power.

Construction
 Mounts concealed within fixture wireway for clean appearance and protection against vandalism.

Reduced-profile footprint fits in the tightest application. Durable thermoplastic/metal housing resists impact, scratches and corrosion.

Sealed, maintenance-free, high-temperature nickel-cadmium batteries.

Quick-disconnect connector system allows for quick and easy replacements at end of life without re-wiring.

Patents pending. U.S. patent No. 5, 814, 971.

Listings
 UL Listed. Damp location listing available.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**. **Example: PS1400QD SD**

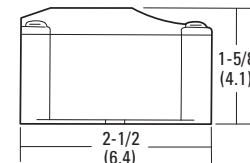
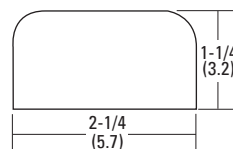
Series ¹	Options	Factory installation ^{4,5}
PS300QD Reduced profile, quick disconnect, 300-lumen output	SD Self diagnostics ²	EL PS300QD installed
PSQ500QD Reduced profile, quick disconnect, 15-minute installation, 500-lumen output	DW UL Listed for use inside damp or wet location listed fixtures 32° to 122°F (0° to 50°C) ³	EL5 PSQ500QD installed ⁶
PS600QD Reduced profile, quick disconnect, 600-lumen output		EL6 PS600QD installed ⁶
PS1400QD Reduced profile, quick disconnect, 1400-lumen output		EL61LP PS600QD one-lamp operation installed ⁶
		EL14 PS1400QD installed ⁶
		EL141LP PS1400QD one-lamp operation installed ⁶

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

ELECTRICAL APPLICATION DATA			
TYPE	AC INPUT		
	VOLTS	AMPS	WATTS
PS300QD	120/277	.29	2.5
PSQ500QD	120/277	.29	2.5
PS600QD	120/277	.29	3.0
PS1400QD	120/277	.29	3.5

ACCESSORIES	
ORDER SEPARATELY	
PSSD	Field installable self-diagnostic modules for PSQ500 DW, PSQ500QD, PS600 DW, PS600QD, PS1400 DW or PS1400QD
ELA TSPLP	Remote or replacement test switch/pilot light and mounting plate for PS300, PS300QD, PSQ500, PSQ500QD, PS600, PS600QD, PS1400 and PS1400QD.
ELA TSPLP SD	Remote or replacement test switch/pilot light and mounting plate for self-diagnostics PSQ500SD, PSQ500QSD, PS600SD, PS600QSD, PS1400SD and PS1400QSD
ELA PSTS	Double-pole, single-throw test switch (no pilot light)
ELA PSMK	External mounting kit ⁷
ELA PSMKSD	External mounting kit for self-diagnostics module
ELA PSDMT	External mounting tray
ELA PSRME	External mounting box for PS300QD, PSQ500QD, PS600QD and PS1400QD

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	PS300QD/ PS500QD	PS600QD	PS1400QD
Length :	9-1/2 (24.1)	9-1/2 (24.1)	13-7/8 (35.2)
Shipping weight:	1 lb (0.5 kg)	1.5 lbs (0.7 kg)	2 lbs (0.9 kg)

	PS300DW	PS500DW
Length :	9-1/2 (24.1)	9-1/2 (24.1)
Shipping weight:	1.4 lbs (0.6 kg)	1.0 lbs (0.5 kg)

	PS600DW	PS1400DW
Length :	9-1/2 (24.1)	13-7/8 (35.2)
Shipping weight:	1.8 lbs (0.8 kg)	4.0 lbs (1.8 kg)

Notes

- Lumen rating based on initial output of one 32W T8 lamp.
- Self-diagnostics (PSSD) module ships separately. See PSSD spec sheet for details. Not available on PS300QD.
- Not available with quick-disconnect wire harness. See housing dimensions.
- To order a factory-installed battery pack, add suffix to fluorescent fixture catalog number.
- Add DW to factory-installed suffix to receive as wet or damp location listed, depending on the fixture. Applies to EL, EL5, EL6, EL14. Example: EL14 DW.
- Add SD to suffix to receive self-diagnostics version. Example: EL5SD. Applies to EL5, EL6 and EL14.
- For DW option only.

For lamp/ballast compatibility, see page 474.

For application guidelines and fixture performance data, see page 475.

PS48 PS600C PS3000

Power Sentry®



Intended Use

Factory- or field-installed inside or outside (field only) a fluorescent fixture to operate lamp(s) at an initial output of 10% to 95% of rated lamp lumens, providing optimum glare-free illumination for a minimum of 90 minutes upon interruption of normal power.

Construction

Dual-voltage input capability (120/277V).
Sealed, maintenance-free, high-temperature nickel-cadmium batteries.
Housing is 20-gauge steel or permanently sealed steel.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: PS3000

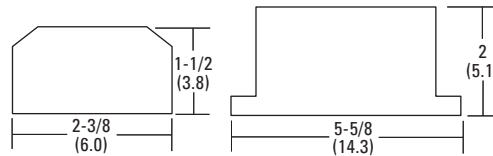
Series	Factory installation ²
PS600C Two-hour emergency operation	EL6C PS600C installed
PS3000 Full light output ¹	EL48 PS48 installed
PS48 Central 48VDC interface	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

TYPE	ELECTRICAL APPLICATION DATA		
	AC INPUT		
	VOLTS	AMPS	WATTS
PS600C	120	.28	3.5
PS600C	277	.28	3.5
PS3000	120	.09	9.6
PS3000	277	.04	10.2
PS48	120	.28	3.5
PS48	277	.09	0.5

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Length: 9-3/8 (23.8)
Weight: 2.5 lbs (1.1 kg)
PS48/PS600C

Length: 15-3/8 (39.1)
Weight: 10.3 lbs (4.7 kg)
PS3000

ACCESSORIES	
ORDER SEPARATELY	
ELA RTS2	Remote test switch and pilot light (PS3000)
ELA RTS3	Remote test switch and pilot light (PS600C)
ELA PSTS	Double-pole, single-throw test switch (no pilot light)
ELA PSDMT	External mounting tray (PS3000)

Notes

- Light output based on one 32W T8 lamp.
- To order a factory-installed battery pack, add suffix to fluorescent fixture catalog number.

PRODUCT INFORMATION

PSSD

Power Sentry®



Intended Use

Designed to perform self-diagnostic testing for five minutes every month and 30 minutes every six months. May be factory- or field-installed as part of the test switch/pilot light assembly with the PSQ500

DW, PSQ500QD, PS600 DW, PS600QD, PS1400 DW, PS1400QD and PSDL3.

Construction

Single multi-chromatic status indicator and audible beep to display three-state charging, test activation and four-state

diagnostic status. Audible beep can be permanently deactivated in the field. Quick-connect terminal allows for fast and easy installation.

Listings

UL Listed for use inside damp or wet location listed fixtures 32° to 122°F (0° to 50°C).



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: PSSD

Series	
PSSD	Self-diagnostic module for PSQ500 QD or DW, PS600 QD or DW, PS1400 QD or DW, and PSDL3 QD or DW. UL approved for use in wet and damp location listed fixtures 0°-50°C.

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ACCESSORIES	
ORDER SEPARATELY	
ELA TSPLP SD	Remote or replacement test switch/pilot light (with plenum-rated cable) for self-diagnostics
ELA PSMKSD	External mounting kit for self-diagnostics module

PRODUCT INFORMATION

PSL

Power Sentry® Low-Profile



Intended Use

Factory- or field-installed inside or outside (field only) a fluorescent fixture to operate lamp(s) at an initial output of 10% to 95% of rated lamp lumens, providing optimum glare-free illumination for a minimum of 90 minutes upon interruption of normal power.

Low-profile footprint and T5 lamp compatibility make the PSL550 and PSL600 battery pack ideal for use in T5 direct/indirect fixtures.

Construction

Dual-voltage input capability (120/277V).

Sealed, maintenance-free, high-temperature nickel-cadmium batteries.

Housing is 20-gauge steel or permanently sealed steel.

Listings

UL Listed.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: PSL600

Series

- PSL400 Low-profile, 350-450 lumen output - T8, T12
- PSL550 Low-profile, 390-700 lumen output - T5, T8
- PSL600 Low-profile, 725-1325 lumen output - T5, T8

Factory installation¹

- ELSC4 PSL400 installed
- EL55 PSL550 installed
- EL65 PSL600 installed

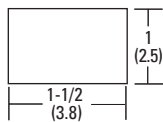
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

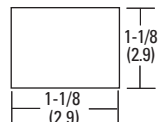
ELECTRICAL APPLICATION DATA

TYPE	AC INPUT		
	VOLTS	AMPS	WATTS
PSL400	120	.10	1.5
PSL400	277	.10	1.5
PSL550	120	.18	2.5
PSL550	277	.18	2.5
PSL600	120	.18	3.5
PSL600	277	.18	3.5

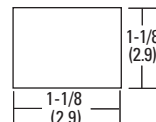
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Length: 14-1/8 (35.9)
Weight: 1.9 lbs (0.9 kg)
PSL400



Length: 18.5 (47.0)
Weight: 2.4 lbs (1.1 kg)
PSL550



Length: 21.5 (54.6)
Weight: 3.0 lbs (1.4 kg)
PSL600

ACCESSORIES

ORDER SEPARATELY

ELA RTS3	Remote test switch and pilot light for the PSL400, PSL550, PSL600 and PS600C
ELA PSTS	Double-pole, single-throw test switch (no pilot light)

Notes

¹ To order a factory-installed battery pack, add suffix to fluorescent fixture catalog number.

PSDL

Power Sentry®

Intended Use

Factory- or field-installed on fluorescent down lighting fixtures to operate lamps at an initial light output of 20% to 85% of full lumen rating, providing optimum glare-free illumination for a minimum of 90 minutes upon interruption of normal power.

Construction

PSDL1 operates one two-pin 18W or 26W quad-tube compact fluorescent lamp.

PSDL1 2LP operates two, two-pin (13-26W) quad-tube fluorescent lamps.

PSDL2 operates one, two-pin 7W, 9W or 13W compact fluorescent lamp. PSDL3 operates one or two, four-pin twin-tube (9-13W), triple-tube (18-42W*), quad-tube (13-26W) or 2D compact fluorescent lamp(s). *42W triple-tube is one-lamp only.

Dual-voltage input capability (120/277V).

Sealed, maintenance-free, high-temperature nickel-cadmium batteries.

Housing is permanently sealed steel enclosure.

Listings

UL Listed.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: PSDL3 SD

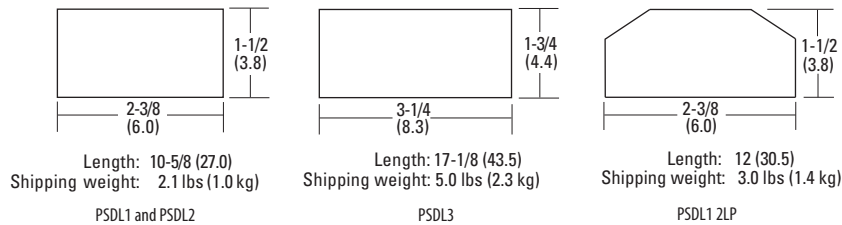
Series	Options	Factory installation ³
PSDL1 Bi-pin (18-26W) quad-tube lamps	SD Self diagnostics ¹	EL PSDL1/PSDL2/PSDL3 installed, compact fluorescent
PSDL2 Bi-pin (7-13W) twin-tube or quad-tube lamps	DL UL listed for damp location 0°-50°C (32°-122°F) ¹	ELR PSDL1/PSDL2/PSDL3 installed, compact fluorescent with remote pilot light/test switch
PSDL3 Four-pin (9-42W) quad-tube or triple-tube lamps	2LP Operates two, two-pin quad-tube lamps (PSDL1) ²	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

TYPE	ELECTRICAL APPLICATION DATA		
	AC INPUT		
	VOLTS	AMPS	WATTS
PSDL1	120	.275	3.5
PSDL1	277	.255	3.5
PSDL2	120	.275	3.5
PSDL2	277	.255	3.5
PSDL3	120	.270	3.3
PSDL3	277	.250	3.2

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



ACCESSORIES	
ORDER SEPARATELY	
PSSD	Field-installable self-diagnostic module for PSDL3
ELA TSPLP	Remote or replacement test switch/mounting plate for PSDL3
ELA PSTS	Double-pole, single-throw test switch (no pilot light)
ELA PSDMT	External mounting tray (PSDL1, PSDL2, PSDL3)
ELA RTS3	Remote test switch and pilot light for PSDL1 2LP

Notes

- Available on PSDL3. Self-diagnostics (PSSD) module ships separately.
- Must specify PSDL1 2LP for two-lamp version. The PSDL3 product may be wired for a two-lamp operation as a standard feature; see wiring diagrams. 2LP option does not need to be specified for the PSDL3.
- To order a factory-installed battery pack, add suffix to fluorescent downlighting fixture catalog number. PSDL1/PSDL2/PSDL3 will be determined automatically based on ballast and lamp type. Add 2LP (example: EL2LP) to suffix to specify two-lamp emergency operation for all four-pin or two-pin quad lamps. (Available for Gotham® downlighting and Lithonia Lighting® downlighting.)

PRODUCT INFORMATION

EAC ISS



Intended Use
Automatic standby AC power systems for incandescent and fluorescent emergency lighting loads that provide full light output for 90 minutes of operation.

Features
Microprocessor-controlled PWM inverter with IGBT technology allows for universal compatibility.

Standard RS232 interface allows communication with system from remote computer. Low-voltage

disconnect, short-circuit protection, current-limiting and brown-out protection.

Stackable, modular cabinet design enabling versatile installation.

Systems 4KVA - 4800 and below are self-contained. Larger systems require external, stackable battery cabinets.

Standard digital meter panel displays input/output voltage, battery voltage and output current.

24-hour battery recharge standard.

50-millisecond transfer time.

Listings

UL 924 Listed for 90 minutes of emergency operation.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

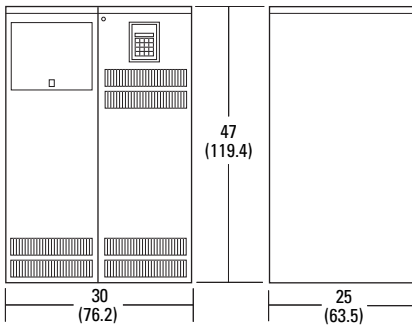
Example: EAC ISS 1500 120/120 OB

Series	Battery	System	VA rating ¹	Voltage ²	Options	
EAC Emergency AC power system	(blank) LC20 Lead-calcium battery, 20-year life	ISS Interruptible	1500	<u>Input/output</u>	(blank) None	<u>Input/output</u>
			2250	120/120	<u>Battery</u>	OB Output circuit breaker (specify quantity and amps) ³
			3000	277/277	12HR 12-hour battery recharge	OTA Output trip alarm
			3750	277/120	<u>Electronic</u>	<u>Miscellaneous</u>
			4800	120/120-277	TD Time delay (15 minutes)	FSP Factory start-up program
			6000	277/120-277		RMP Remote meter panel
			8000			MBYP Maintenance bypass switch
10000			MODEM External modem RS232			
12500			DFC Form "C" contact			
16700						

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EACISS

Notes

- ¹ Systems 4800 (5KVA) or larger require external battery cabinets.
- ² Consult factory for other voltages.
- ³ Standard 20-amp, normally on unless otherwise specified.

PRODUCT INFORMATION

Intended Use

An off-line AC power system for the emergency operation of HID, incandescent and fluorescent emergency lighting loads that provides full light output for 90 minutes of operation.

Construction

Free-standing NEMA Type 1 cabinet.

Microprocessor-controlled PWM inverter with IGBT technology allows for universal compatibility.

FT and 3FT have a 65K amp inrush current rating.

Sinusoidal output waveform has <3% THD.

Off-line uninterruptible power system has 2-millisecond transfer time.

Standard circuit protection: low-voltage disconnect, short-circuit protection, current-limiting, fused-battery protection, brownout protection, input circuit breaker.

Standard RS232 diagnostic interface on FT and 3FT.

Listings

UL Listed (standard) for 90 minutes of emergency operation.

EAC FTT output ranges: 500 VA to 2000 VA. Single-phase system. Field upgradable (500 VA system).

EAC FT output ratings: 1,500 VA to 16,700 VA. Single-phase system.

EAC 3FT output ratings: 4,800 VA to 50,000 VA. Three-phase system.

**EAC FT
EAC FTT
EAC 3FT**



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

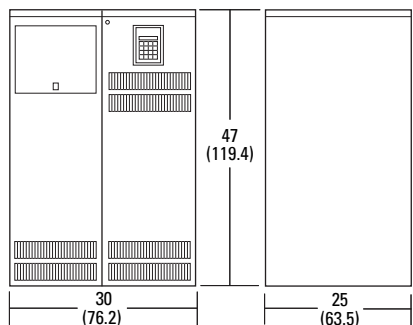
Example: EAC 3FT 6000 208 DFC

Series	Battery	System	VA rating	Voltage ⁶	Options	Miscellaneous		
EAC Emergency AC power system	(blank) Lead-calcium, 10-year life LC20 Lead-calcium, 20-year life ¹	FTT Compact fast transfer	500 ² 10000	Input/output	(blank) None	MBYP Maintenance bypass switch ⁷		
		FT Fast transfer	1000 ² 12500	120/120 ³	Battery	XMBYP External maintenance bypass switch	FSP Factory start-up program	
			1500 ² 16700	277/277 ³	12HR 12-hour battery recharge ¹	Input/output	DFC Form "C" contacts	
		3FT 3-phase fast transfer	2000 ² 24000 ⁵	277/120 ⁴	Supervisory	OB Output circuit breaker (specify quantity and amps) ⁸	OTA Output trip alarm	NOFF Normally OFF output circuit ⁹
			2250 ⁴ 33000 ⁵	120/120-277 ⁴				MODEM External modem for RS232
		3000 ⁴ 40000 ⁵	277/120-277 ⁴	RMP Remote meter panel				
		3750 ⁴ 50000 ⁵	208 ⁵					
4800	480 ⁵							
6000								
8000								

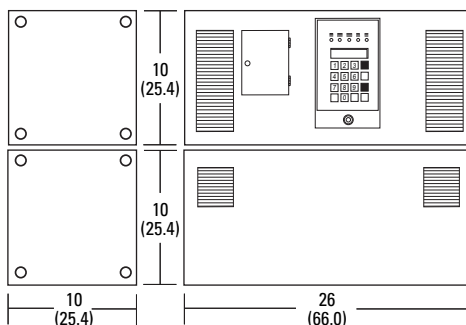
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EAC FT or EAC 3FT



EAC FTT

Notes

- 1 Available on FT and 3FT only.
- 2 Available on FTT only.
- 3 Available on FTT and FT only.
- 4 Available on FT only.
- 5 Available on 3FT only.
- 6 Consult factory for other voltage requirements. Special voltages may affect the weight, size and number of cabinets.
- 7 Standard on 3FT.
- 8 Standard 20-amp normally on unless otherwise specified.
- 9 Normally off load cannot exceed 20% of total VA rating with any combination of HID loads.

POWER SENTRY® BATTERY PACKS

Lamp/Ballast Compatibility Spacing Guidelines

POWER SENTRY® LAMP BALLAST COMPATIBILITY — UL LISTED PRODUCTS														
LAMP TYPE	WATTAGE	PS300QD	PSQ500QD	PS600QD	PS1400QD	PSL400	PSL550	PSL600	PS600C	PS3000	PS48	PSDL1	PSDL2	PSDL3
24" - 48" T5	14-28			■ ¹	■ ¹		■ ¹	■ ¹		■ ¹				
24" - 48" T5HO	24-54			■ ¹	■ ¹		■ ¹	■ ¹		■ ¹				
U-lamp T8	16-32	■ ¹	■ ¹	■ ^{1,2}	■ ^{1,2}	■ ¹				■ ^{1,2}	■ ^{1,2}			
24" - 48" T8	17-32	■ ¹	■ ¹	■ ^{1,2}	■ ^{1,2}	■ ¹		■ ¹	■ ³	■ ^{1,2}	■ ^{1,2}			
48" - 60" T8	32-40						■ ¹	■ ¹			■ ¹			
60" - 96" T8	40-59			■ ¹	■ ¹					■ ¹				
96" T8HO	86			■ ¹	■ ¹									
Circline T9	20-40	■ ¹		■ ¹	■ ¹					■ ^{1,2}	■ ¹			
U-lamp T12	34-40	■ ¹	■ ¹	■ ^{1,2}	■ ^{1,2}	■ ¹				■ ^{1,2}	■ ^{1,2}			
24" - 48" T12	20-40	■ ¹	■ ¹	■ ^{1,2}	■ ^{1,2}	■ ¹			■ ³	■ ^{1,2}	■ ^{1,2}			
60" - 96" T12	50-75			■ ¹	■ ¹					■ ¹	■ ¹			
24" - 48" T12HO	35-60			■ ¹	■ ¹					■ ¹	■ ¹			
60" - 96" T12HO	70-110			■ ¹	■ ¹					■ ¹	■ ¹			
24" - 48" T12VHO	74-115			■ ¹	■ ¹					■ ¹	■ ¹			
60" - 96" T12VHO	135-215			■ ¹	■ ¹					■ ¹	■ ¹			
PL Twin-Tube (2-Pin)	9-13												■ ¹	
PL Quad-Tube (2-Pin)	13-26											■ ^{1,4}		
PL Twin-Tube (4-Pin)	9-13				■ ¹						■ ^{1,2}			■ ¹
PL Quad-Tube (4-Pin)	13-26				■ ^{1,2}					■ ¹	■ ^{1,2}			■ ^{1,2}
Triple-Tube (4-Pin)	18-32				■ ^{1,2}	■ ¹				■ ¹	■ ¹			■ ^{1,2}
Triple-Tube (4-Pin)	42				■ ¹						■ ¹			■ ¹
Long Compact (4-Pin)	18-40	■ ¹	■ ¹	■ ¹		■ ¹				■ ¹	■ ^{1,2}			
Long Compact (4-Pin)	36-55						■ ¹	■ ¹			■ ^{1,2}			

■ = Available

POWER SENTRY® SPACING GUIDELINES ^{5,6,7}																							
		2X2										2X4						TURRET INDUSTRIALS					
		2GT8 2 U316		2SP8 2 U316		2AV 2 CF40		2PM3N 2 U316		2PMO 2 U31		2GT8 3 32		2SP8 3 32		2AV3 3 32		2PM3N3 3 32		2PMO3 3 32		AF 2 96	
CATALOG NUMBER		1FC		1FC		1FC		1FC		1FC		1FC		1FC		1FC		1FC		1FC		1FC	
		AVG.	MIN.	AVG.	MIN.	AVG.	MIN.	AVG.	MIN.	AVG.	MIN.	AVG.	MIN.	AVG.	MIN.	AVG.	MIN.	AVG.	MIN.	AVG.	MIN.	AVG.	MIN.
CORRIDOR	PS300QD	18	14	20	14	14	12	17	14	17	13	20	16	24	16	18	14	21	16	21	16	--	--
	PSQ500QD	32	18	31	18	24	17	27	18	27	16	32	22	35	22	28	20	32	22	32	19	--	--
	PS600QD	39	21	40	20	29	21	35	20	28	17	40	25	43	24	34	25	40	25	40	20	--	--
	PS1400QD	58	29	54	30	53	29	48	29	42	21	47	31	57	25	59	32	53	31	43 ⁸	25	--	--
OPEN OFFICE	PS300QD	16	13	16	13	14	12	14	12	14	12	16	13	16	14	13	11	17	14	18	14	--	--
	PS500QD	26	17	27	17	24	16	24	17	23	17	26	17	29	17	21	15	27	18	29	17	--	--
	PS600QD	32	19	33	18	29	18	29	16	28	19	32	18	35	19	26	17	34	20	35	18	--	--
	PS1400QD	26 ⁸	25	47	24	47	26	38	22	26 ⁸	22	47	24	47	24	47	25	45	27	33 ⁸	22	--	--
INDUSTRIAL	PS1400QD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	25	23

Notes

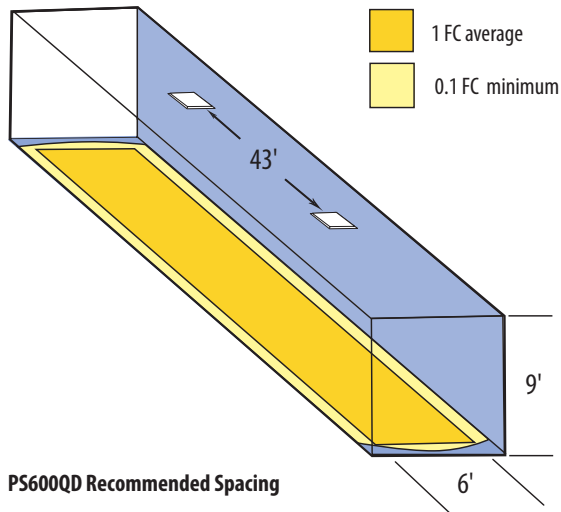
- One-lamp emergency operation for one-, two-, three- or four-lamp ballasts.
- Two-lamp emergency operation for two-, three- or four-lamp ballasts.
- One-lamp, two-hour emergency operation for two-, three- or four-lamp ballasts.
- 2LP option required for two-lamp emergency operation in fixtures with two or more lamps.
- All spacings are intended to be guidelines. Results will vary if application deviates from dimensions or assumptions stated below.

- Meets Life Safety Code® standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes a 1.0 FC minimum requirement. Assumes 3 T8 lamps in each fixture, 6' wide path of egress and a 9' ceiling height (exception: 18' ceiling on industrials).
- Assumptions to arrive at these spacings: Open office dimensions/reflectances: 100' L x 80' W x 9' H with 80/50/20 reflectances. Corridor dimensions/reflectances: 100' L x 8' W x 9' H with 80/50/20 reflectances. Industrial dimensions/reflectances: 200' L x 200' W x 18' H with 10/10/10 reflectances.
- Limited spacing due to 40:1 max-to-min ratio requirement by NFPA 101.

POWER SENTRY® BATTERY PACKS

Spacing Guidelines

Corridor Spacing

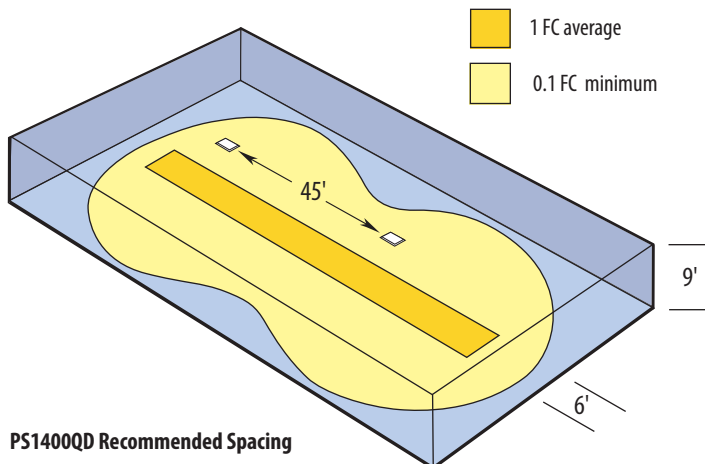


PS600QD Recommended Spacing

- Fluorescent battery pack: PS600QD
- Fluorescent fixture: Lensed troffer
- Lamp type: F32T8

POWER SENTRY® RECOMMENDED CENTER-TO-CENTER SPACING FOR CORRIDORS ¹			
ONE FOOTCANDLE AVERAGE SPACING GUIDELINES			
	T8 LENSED TROFFER	T8 DIRECT/INDIRECT	T8 PARABOLIC
PS300QD	24'	18'	21'
PSQ500QD	35'	28'	32'
PS600QD	43'	34'	40'
PS1400QD	57'	59'	53'

Open Office Spacing



PS1400QD Recommended Spacing

- Fluorescent battery pack: PS1400QD
- Fluorescent fixture: 2 x 4 parabolic
- Lamp type: F32T8

POWER SENTRY® RECOMMENDED CENTER-TO-CENTER SPACING FOR OPEN OFFICES ²			
ONE FOOTCANDLE AVERAGE SPACING GUIDELINES			
	T8 LENSED TROFFER	T8 DIRECT/INDIRECT	T8 PARABOLIC
PS300QD	16'	13'	17'
PSQ500QD	29'	21'	27'
PS600QD	35'	26'	34'
PS1400QD	47'	47'	45'

Notes

- 1 Meets Life Safety Code® standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes three T8 lamps in each fixture, 8'W X 100' L corridor, ceiling height of 9' and reflectances of 80/50/20.
- 2 Meets Life Safety Code® standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes three T8 lamps in each fixture, 100'W X 100' L open office, ceiling height of 9' and reflectances of 80/50/20.

EMERGENCY UNITS

Spacing Guidelines for Sealed-Beam Lamps and Composite Lamps

SEALED-BEAM LAMPS SPACING GUIDELINES ²																						
CATALOG NUMBER	VOLTS	WATTS	LAMP TYPE	LUMENS	LAMP NUMBER	BEAM H X V	7.5' MOUNTING HEIGHT		12' MOUNTING HEIGHT		14' MOUNTING HEIGHT		16' MOUNTING HEIGHT		18' MOUNTING HEIGHT		20' MOUNTING HEIGHT		25' MOUNTING HEIGHT			
							1FC		1FC		1FC		1FC		1FC		1FC		1FC		1FC	
							AVG.	MIN.	AVG.	MIN.	AVG.	MIN.	AVG.	MIN.	AVG.	MIN.	AVG.	MIN.	AVG.	MIN.	AVG.	MIN.
N0806S	6	8	Incandescent	54	7613-1	30 x 20	20	—	—	—	—	—	—	—	—	—	—	—	—			
N1206S	6	12	Incandescent	177	4042	45 x 20	20	—	22	—	20	—	18	—	17	—	15	—	—			
N1806S	6	18	Incandescent	184	4014	50 x 25	25	—	23	—	23	—	22	—	20	—	20	—	18			
N2506S	6	25	Incandescent	395	4510	80 x 20	25	—	38	—	38	—	36	—	34	—	32	—	27			
N1212S	12	12	Incandescent	177	4044-1	50 x 25	25	—	20	—	19	—	19	—	16	—	15	—	—			
N1812S	12	18	Incandescent	184	4414	50 x 25	25	—	23	—	23	—	22	—	20	—	20	—	18			
N2512S	12	25	Incandescent	238	4446	80 x 30	32	—	20	—	19	—	18	—	16	—	15	—	—			
N3512S	12	35	Incandescent	350	4411-1	Trapezoid	—	—	46	—	46	—	46	—	46	16	44	17	38	20		
N5012S	12	50	Incandescent	200	50PAR36NSP	Spot	—	—	32	—	32	—	32	—	32	—	32	16	32	17		
N5024S	24	50	Incandescent	420	4504	11 x 5	—	—	65	—	60	—	60	—	55	—	55	—	55	—		
H0606S	6	6	Halogen	110	H7556	30 x 20	—	—	28	—	26	—	26	15	24	16	22	16	20	15		
H0806S	6	8	Halogen	150	H7551	30 x 20	25	—	16	—	16	—	15	—	—	—	—	—	—	—		
H1206S	6	12	Halogen	263	H7553	30 x 20	28	—	28	—	26	—	26	15	24	16	22	16	20	15		
H2006S	6	20	Halogen	400	H7554	30 x 20	—	—	46	—	46	—	46	—	46	—	42	—	40	16		
H0812S	12	8	Halogen	150	H7555	30 x 20	25	—	16	—	16	—	15	—	—	—	—	—	—	—		
H1212S	12	12	Halogen	263	H7557	30 x 20	37	—	28	—	27	—	26	16	24	16	23	16	20	16		
H3512S	12	37.5	Halogen	706	H7600	9 x 4.5	—	—	75	—	70	—	70	—	70	—	70	—	70	—		
H5012S	12	50	Halogen	940	H7604	7 x 5	—	—	80	—	80	—	80	—	80	—	80	—	80	—		

MR24 LAMP HEAD RECOMMENDED CENTER-TO-CENTER SPACING							
CATALOG NUMBER	LAMP VOLTAGE/WATTAGE	QUANTUM® UNIT	7.5' MOUNTING HEIGHT	10' MOUNTING HEIGHT	12' MOUNTING HEIGHT	16' MOUNTING HEIGHT	20' MOUNTING HEIGHT
K0606	6V/5.4W	ELM2 ³	25'	N/A	N/A	N/A	N/A
K0906	6V/9W	ELM618 ³ , ELM27 ³ , ELM654 ³	25'	31'	29'	27'	23'
K0912	12V/9W	ELM1254 ³ , ELM1272 ³	25'	33'	30'	29'	28'
H1206	6V/12W	ELM627, ELM654	N/A	29'	N/A	22'	N/A
H1212	12V/12W	ELM1254, ELM1272	N/A	31'	33'	39'	41'
H2006	6V/20W	ELM654	N/A	35'	37'	52'	49'
H2012	12V/20W	ELM1254, ELM1272	N/A	43'	41'	38'	32'

Notes

- 1 Meets Life Safety Code® standard minimum illuminance of 0.1 FC, average illuminance of 1.0 FC, and 40:1 max/min ratio. Assumes 6'-wide path of egress in 15'-wide aisle of 200' X 200', open warehouse with reflectances of 10/10/10.
- 2 For Indura® spacing guidelines, see pages 477 and 480.
- 3 Standard lamp for this unit.

INDURA® INDURA 4X

Spacing Guidelines for Composite Lamps

INDURA/INDURA 4X SPACING GUIDELINES																		
	CATALOG NUMBER	VOLTS	WATTS	LAMP TYPE	LUMENS	BEAM	12' MOUNTING HEIGHT		14' MOUNTING HEIGHT		16' MOUNTING HEIGHT		18' MOUNTING HEIGHT		20' MOUNTING HEIGHT		24' MOUNTING HEIGHT	
							1FC		1FC		1FC		1FC		1FC		1FC	
							AVG.	MIN.	AVG.	MIN.	AVG.	MIN.	AVG.	MIN.	AVG.	MIN.	AVG.	MIN.
INDURA® COMPOSITE LAMPS	K0906	6	9	Krypton	180	Medium	26	–	26	–	23	–	20	–	20	–	10	–
	K0912	12	9	Krypton	190	Medium	24	–	24	–	22	–	22	–	22	–	20	–
	H1206	6	12	Halogen	238	Spot	32	–	32	–	32	–	30	–	30	–	28	–
	H1206	6	12	Halogen	238	Medium	28	16	28	16	26	16	24	18	22	18	20	15
	H1206	6	12	Halogen	238	Flood	17	–	16	–	15	–	–	–	–	–	–	–
	H2006	6	20	Halogen	402	Spot	46	16	46	16	45	16	43	16	41	16	39	16
	H2006	6	20	Halogen	402	Medium	35	22	34	24	33	24	31	23	29	22	24	18
	H2006	6	20	Halogen	402	Flood	22	15	21	15	20	15	18	15	17	–	–	–
	H1212	12	12	Halogen	276	Spot	38	–	38	–	38	–	38	–	37	–	33	15
	H1212	12	12	Halogen	276	Medium	35	16	35	17	33	19	31	20	30	21	26	21
	H1212	12	12	Halogen	276	Flood	22	–	21	–	21	–	20	15	18	–	–	–
	H2012	12	20	Halogen	314	Spot	38	–	38	–	36	–	36	–	34	–	30	15
	H2012	12	20	Halogen	314	Medium	26	19	26	19	23	19	23	18	21	18	17	15
	H2012	12	20	Halogen	314	Flood	15	–	15	–	–	–	–	–	–	–	–	–
	H2024	24	20	Halogen	300	Spot	38	–	38	–	37	–	35	–	33	–	30	–
	H2024	24	20	Halogen	300	Medium	38	–	38	–	37	15	35	16	33	17	29	19
H2024	24	20	Halogen	300	Flood	23	–	23	–	22	–	20	–	18	–	15	–	
INDURA® 4X COMPOSITE LAMPS	K0906	6	9	Krypton	180	Medium	22	–	21	–	21	–	20	–	18	–	16	–
	K0912	12	9	Krypton	190	Medium	20	–	20	–	19	–	19	–	18	–	16	–
	H1206	6	12	Halogen	238	Spot	25	–	25	–	25	–	25	–	25	–	25	–
	H1206	6	12	Halogen	238	Medium	25	16	22	16	22	16	20	18	19	18	15	15
	H1206	6	12	Halogen	238	Flood	17	–	16	–	14	–	13	–	12	–	10	–
	H2006	6	20	Halogen	402	Spot	38	16	38	16	38	16	38	16	38	16	38	16
	H2006	6	20	Halogen	402	Medium	35	22	33	24	33	24	32	23	31	22	28	18
	H2006	6	20	Halogen	402	Flood	26	15	24	15	22	15	20	15	18	–	16	–
	H1212	12	12	Halogen	276	Spot	30	–	30	–	30	–	30	–	30	–	26	15
	H1212	12	12	Halogen	276	Medium	28	16	27	17	25	19	24	20	22	21	20	21
	H1212	12	12	Halogen	276	Flood	18	–	16	–	15	–	14	15	12	–	10	–
	H2012	12	20	Halogen	314	Spot	33	–	33	–	33	–	33	–	33	–	29	15
	H2012	12	20	Halogen	314	Medium	26	19	26	19	23	19	23	18	21	18	17	15
	H2012	12	20	Halogen	314	Flood	15	–	15	–	–	–	–	–	–	–	–	–
	H2024	24	20	Halogen	300	Spot	34	–	34	–	34	–	33	–	32	–	30	–
	H2024	24	20	Halogen	300	Medium	35	–	34	–	34	15	34	16	33	17	31	19
H2024	24	20	Halogen	300	Flood	29	–	26	–	25	–	22	–	21	–	18	–	

Notes

1 All spacings are intended to be guidelines and meet Life Safety Code® standard minimum illuminance of 0.1 FC, average illuminance of 1.0 FC and 40:1 max/min ratio. The 1 FC minimum fixture spacing meets a 0.1 FC minimum illuminance, 1.0 FC average illuminance and a 40:1 max/min ratio. Results will vary if application deviates from dimensions or assumptions stated. Spacing guidelines assume 6'-wide path of egress in 15'-wide aisle of 200'x200'x30' open warehouse with reflectances of 10/10/10.

QUANTUM®

Spacing Guidelines

As Lithonia Lighting® continues to improve the performance of its emergency lighting products, we also continue to improve the manner in which we communicate our products' performance. Instead of relying on lamp iso-footcandle diagrams to compare one source to the next, we now perform point-by-point illuminance calculations to more accurately depict how our products will perform in real commercial or industrial applications.

Point-by-point calculations depict illuminance coverage of an individual unit and/or multiple units in a space. Graphical representation

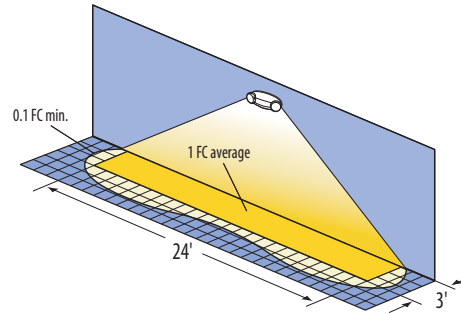
of point-by-point for both a 3' and 6' path of egress are highlighted throughout the next few pages.

In the graphical representation, the rectangle depicts the area where an average of one footcandle (FC) is maintained. The surrounding curve represents the minimum 0.1 FC isocontour along the floor. The coverage of an individual unit, as well as the maximum spacing that can be achieved with multiple units is depicted in feet. The footnotes detail all the relevant information necessary to replicate each layout using your own lighting analysis software and IESNA format photometrics.

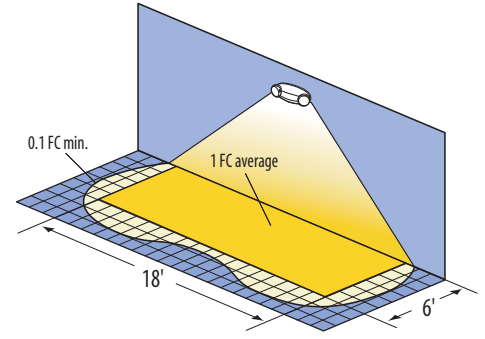
Quantum® ELM2 MR24 Lamp Head

ELM2 Performance Advantage — Single-Unit Coverage¹

- 6V, 5.4W krypton lamp
- Using a single unit at a typical 7.5' mounting height delivers an average illuminance of 1.0 FC over a distance of 24' on a 3' path of egress and 18' on a 6' path of egress.



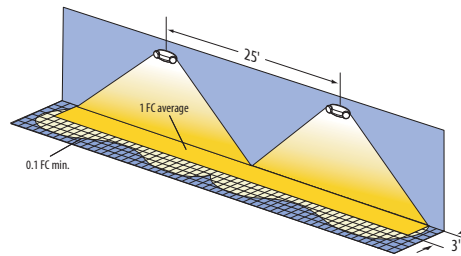
Example of single ELM2 unit illuminating a 3' path of egress.



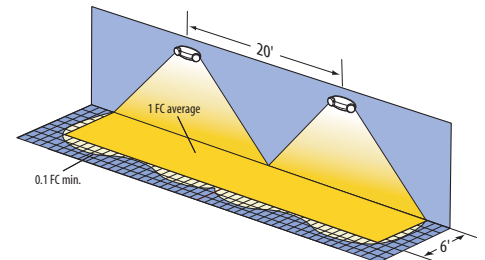
Example of single ELM2 unit illuminating a 6' path of egress.

ELM2 Performance Advantage — Multiple-Unit Coverage¹

- 6V, 5.4W krypton lamp
- Using multiple units at a typical 7.5' mounting height delivers 25' center-to-center spacing on a 3' path of egress and 20' center-to-center spacing on a 6' path of egress.

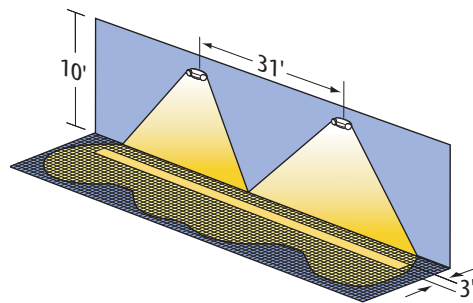


Example of multiple ELM2 units in a row illuminating a 3' path of egress.



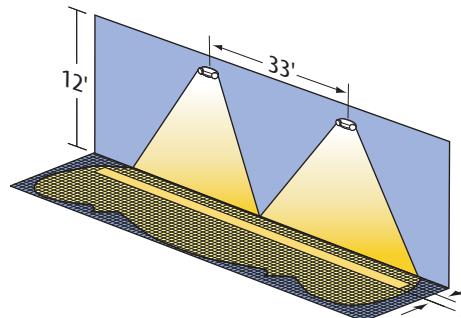
Example of multiple ELM2 units in a row illuminating a 6' path of egress.

High-Capacity Quantum® (ELM6 & ELM12) MR24 Lamp Head



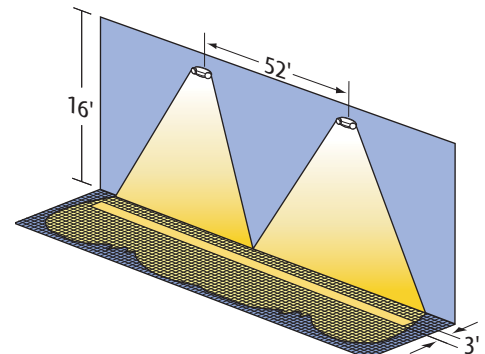
ELM6 Performance Advantage²

- 6V, 9W krypton lamp
- Typical 10' mounting height delivers 31' center-to-center spacing



ELM12 Performance Advantage²

- 12V, 9W krypton lamp
- Typical 12' mounting height delivers 33' center-to-center spacing



ELM6 Halogen Performance Advantage²

- 6V, 20W halogen lamp
- Higher mounting heights deliver 50'+ center-to-center spacing



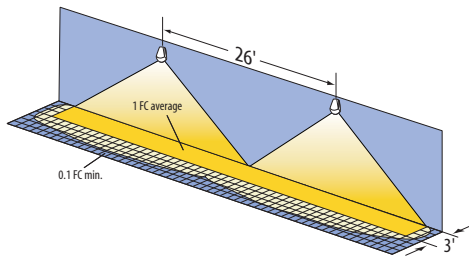
Notes

¹ Meets Life Safety Code® standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes open space with no obstructions, mounting height: 7.5', ceiling height: 9', and reflectances: 80/50/20. Analysis based on independently tested photometrics.

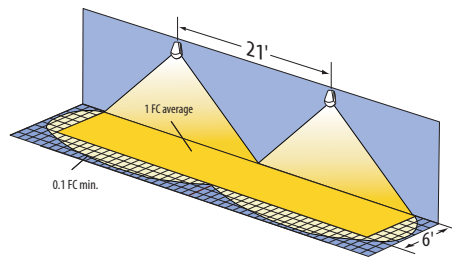
² Meets Life Safety Code® standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes open space with no obstructions, 3-foot-wide path of egress, and reflectances of 80/50/20.

AFFINITY®

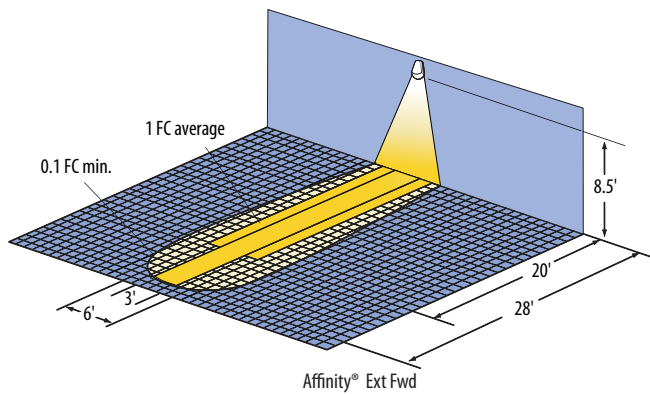
Spacing Guidelines



Example of multiple units in a row illuminating a 3' path of egress.



Example of multiple units in a row illuminating a 6' path of egress.



AFFINITY® RECOMMENDED CENTER-TO-CENTER SPACING ^{1,2}		
XENON LAMP	PATH OF EGRESS 3'-WIDE	PATH OF EGRESS 6'-WIDE
Center-to-center spacing	26'	21'

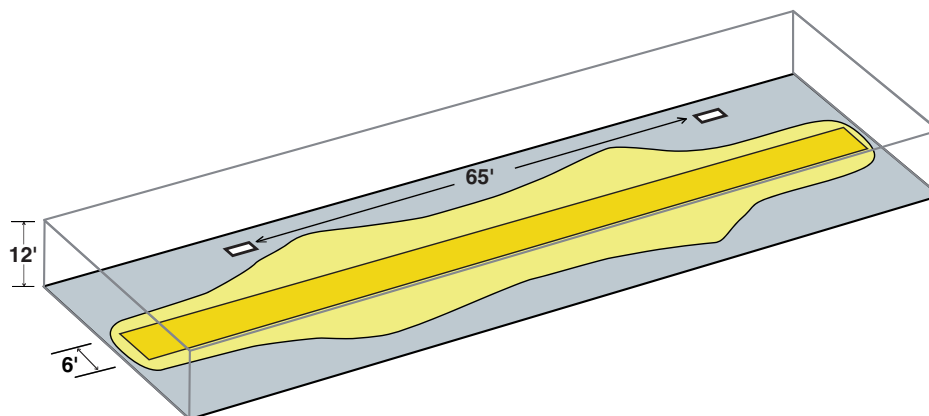


Notes

- 1 Meets Life Safety Code standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes open space with no obstructions, mounting height 8.5', ceiling height 9', and reflectances: 80/50/20.
- 2 All spacings are intended to be guidelines. Results will vary if application deviates from dimensions or assumptions stated.

VELARE®

Spacing Guidelines



Example of Velare® - 35W MR16 at a 12' ceiling height

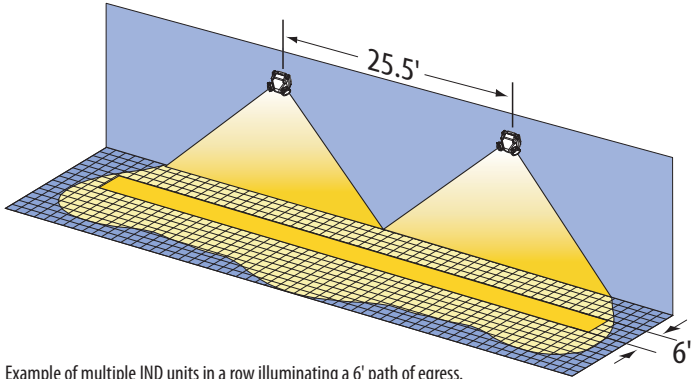
VELARE® RECOMMENDED CENTER-TO-CENTER SPACING ^{1,2}				
LAMP TYPE	10' CEILING HEIGHT	12' CEILING HEIGHT	16' CEILING HEIGHT	20' CEILING HEIGHT
H1212	17'	17'	16'	16'
H2012	36'	36'	34'	34'
H3512	65'	65'	58'	64'
H5012	70'	70'	70'	70'
H7512	130'	140'	134'	140'

Notes

- 1 Meets Life Safety Code standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes fixture is ceiling mounted in a 200'Wx200'L open area and reflectances of 80/50/20.
- 2 All spacings are intended to be guidelines. Results will vary if application deviates from dimensions or assumptions stated.

INDURA[®] INDURA 4X

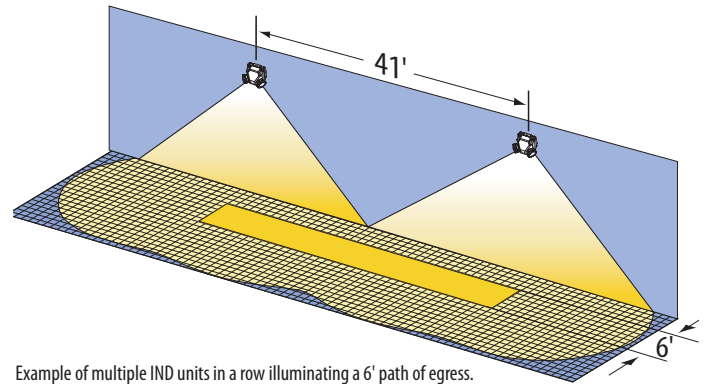
Spacing Guidelines



Example of multiple IND units in a row illuminating a 6' path of egress.

IND K0906 Performance Advantage^{1,2}

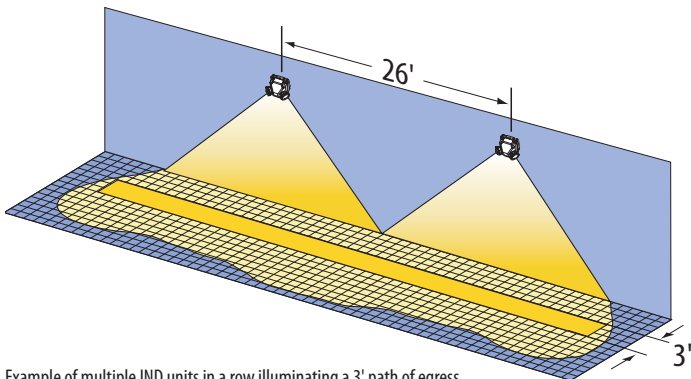
- Medium distribution



Example of multiple IND units in a row illuminating a 6' path of egress.

IND H2006 Performance Advantage^{1,2}

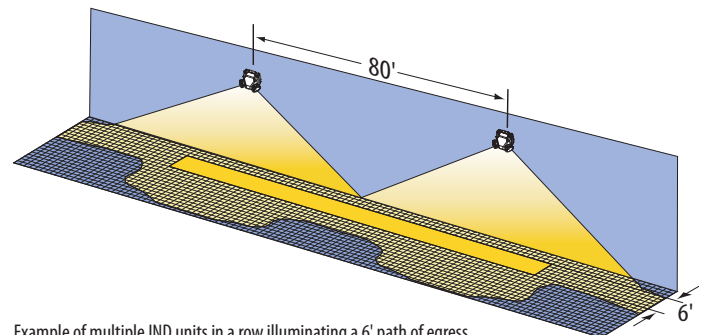
- Spot distribution
- Best suited for applications requiring mounting heights of 12'-14'



Example of multiple IND units in a row illuminating a 3' path of egress.

IND K0912 Performance Advantage^{1,2}

- Medium distribution



Example of multiple IND units in a row illuminating a 6' path of egress.

IND H5012S Performance Advantage^{1,2}

- Flood distribution
- Best suited for applications requiring mounting heights above 14'



Notes

- 1 Meets Life Safety Code[®] standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes space of 200'L X 200'W X 30'H, mounting height: 12', ceiling height 30', and reflectances 10/10/10. Analysis based on independently tested photometrics.
- 2 See page 477 for recommended spacing chart.

2009 INTERNATIONAL BUILDING CODE®

SECTION 1006

MEANS OF EGRESS ILLUMINATION

1006.1 Illumination required. The means of egress, including the exit discharge, shall be illuminated at all times the building space served by the means of egress is occupied.

Exceptions:

- (1) Occupancies in Group U.
- (2) Aisle accessways in Group A.
- (3) Dwelling units and sleeping units in Groups R-1, R-2 and R-3.
- (4) Sleeping units of Group I occupancies.

1006.2 Illumination level. The means of egress illumination level shall not be less than 1 foot-candle (11 lux) at the walking surface.

Exception: For auditoriums, theaters, concert or opera halls and similar assembly occupancies, the illumination at the walking surface is permitted to be reduced during performances to not less than 0.2 foot-candle (2.15 lux), provided that the required illumination is automatically restored upon activation of a premises' fire alarm system where such system is provided.

1006.3 Illumination emergency power. The power supply for means of egress illumination shall normally be provided by the premises' electrical supply.

In the event of power supply failure, an emergency electrical system shall automatically illuminate all of the following areas:

- (1) Aisles and unenclosed egress stairways in rooms and spaces which require two or more means of egress.
- (2) Corridors, exit enclosures and exit passageways located in buildings required to have two or more exits.
- (3) Exterior egress components at other than their levels of exit discharge until exit discharge is accomplished for buildings required to have two or more exits.
- (4) Interior exit discharge elements, as permitted in Section 1027.1, in buildings required to have two or more exits.
- (5) Exterior landings as required by Section 1008.1.6 for exit discharge doorways in buildings required to have two or more exits.

The emergency power system shall provide power for a duration of not less than 90 minutes and shall consist of storage batteries, unit equipment or an on-site generator. The installation of the emergency power system shall be in accordance with Chapter 27.

1006.4 Performance of system. Emergency lighting facilities shall be arranged to provide initial illumination that is at

least an average of 1 foot-candle (11 lux) and a minimum at any point of 0.1 foot-candle (1 lux) measured along the path of egress at floor level. Illumination levels shall be permitted to decline to 0.6 foot-candle (6 lux) average and a minimum at any point of 0.06 foot-candle (0.6 lux) at the end of the emergency lighting time duration. A maximum-to-minimum illumination uniformity ratio of 40 to 1 shall not be exceeded.

SECTION 1011

EXIT SIGNS

1011.1 Where required. Exits and exit access doors shall be marked by an approved exit sign readily visible from any direction of egress travel. The path of egress travel to exits and within exits shall be marked by readily visible exit signs to clearly indicate the direction of egress travel in cases where the exit or the path of egress travel is not immediately visible to the occupants. Intervening means of egress doors within exits shall be marked by exit signs. Exit sign placement shall be such that no point in an exit access corridor or exit passageway is more than 100 feet (30480 mm) or the listed viewing distance for the sign, whichever is less, from the nearest visible exit sign.

Exceptions:

- (1) Exit signs are not required in rooms or areas that require only one exit or exit access.
- (2) Main exterior exit doors or gates that are obviously and clearly identifiable as exits need not have exit signs where approved by the building official.
- (3) Exit signs are not required in occupancies in Group U and individual sleeping units or dwelling units in Group R-1, R-2 or R-3.
- (4) Exit signs are not required in dayrooms, sleeping rooms or dormitories in occupancies in Group I-3.
- (5) In occupancies in Groups A-4 and A-5, exit signs are not required on the seating side of vomitories or openings into seating areas where exit signs are provided in the concourse that are readily apparent from the vomitories. Egress lighting is provided to identify each vomitory or opening within the seating area in an emergency.

1011.2 Illumination. Exit signs shall be internally or externally illuminated.

Exception: Tactile signs required by Section 1011.3 need not be provided with illumination.

1011.3 Tactile exit signs. A tactile sign stating EXIT and complying with ICC A117.1 shall be provided adjacent to each door to an egress stairway, an exit ramp, an exit passageway and the exit discharge.

1011.4 Internally illuminated exit signs. Electrically powered, self-luminous and photoluminescent exit signs shall be listed and labeled in accordance with UL 924 and shall be

installed in accordance with the manufacturer's instructions and Chapter 27. Exit signs shall be illuminated at all times.

1011.5 Externally illuminated exit signs. Externally illuminated exit signs shall comply with Sections 1011.5.1 through 1011.5.3.

1011.5.1 Graphics. Every exit sign and directional exit sign shall have plainly legible letters not less than 6 inches (152 mm) high with the principal strokes of the letters not less than 3/4 inch (19.1 mm) wide. The word "EXIT" shall have letters having a width not less than 2 inches (51 mm) wide, except the letter "I," and the minimum spacing between letters shall not be less than 3/8 inch (9.5 mm). Signs larger than the minimum established in this section shall have letter widths, strokes and spacing in proportion to their height.

The word "EXIT" shall be in high contrast with the background and shall be clearly discernible when the means of exit sign illumination is or is not energized. If a chevron directional indicator is provided as part of the exit sign, the construction shall be such that the chevron directional indicator cannot be readily changed.

1011.5.2 Exit sign illumination. The face of an exit sign illuminated from an external source shall have an intensity of not less than 5 foot-candles (54 lux).

1011.5.3 Power source. Exit signs shall be illuminated at all times. To ensure continued illumination for a duration of not less than 90 minutes in case of primary power loss, the sign illumination means shall be connected to an emergency power system provided from storage batteries, unit equipment or an on-site generator. The installation of the emergency power system shall be in accordance with Chapter 27.

Exception: Approved exit sign illumination means that provide continuous illumination independent of external power sources for a duration of not less than 90 minutes, in case of primary power loss, are not required to be connected to an emergency electrical system.

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NFPA 101[®] LIFE SAFETY CODE[®] 2009

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7.8 Illumination of Means of Egress.

7.8.1 General.

7.8.1.1* Illumination of means of egress shall be provided in accordance with Section 7.8 for every building and structure where required in Chapters 11 through 43. For the purposes of this requirement, exit access shall include only designated stairs, aisles, corridors, ramps, escalators, and passageways leading to an exit. For the purposes of this requirement, exit discharge shall include only designated stairs, aisles, corridors, ramps, escalators, walkways, and exit passageways leading to a public way.

7.8.1.2 Illumination of means of egress shall be continuous during the time that the conditions of occupancy require that the means of egress be available for use, unless otherwise provided in 7.8.1.2.2.

7.8.1.2.1 Artificial lighting shall be employed at such locations and for such periods of time as are necessary to maintain the illumination to the minimum criteria values herein specified.

7.8.1.2.2 Automatic, motion sensor-type lighting switches shall be permitted within the means of egress, provided that the switch controllers are equipped for fail-safe operation, the illumination timers are set for a minimum 15-minute duration, and the motion sensor is activated by any occupant movement in the area served by the lighting units.

7.8.1.3* The floors and other walking surfaces within an exit and within the portions of the exit access and exit discharge designated in 7.8.1.1 shall be illuminated as follows: (1) During conditions of stair use, the minimum illumination for new stairs shall be at least 10 ft-candle (108 lux), measured at the walking surfaces. (2) The minimum illumination for floors and walking surfaces, other than new stairs during conditions of stair use, shall be to values of at least 1 ft-candle (10.8 lux), measured at the floor. (3) In assembly occupancies, the illumination of the walking surfaces of exit access shall be at least 0.2 ft-candle (2.2 lux) during periods of performances or projections involving directed light. (4)*The minimum illumination requirements shall not apply where operations or processes require low lighting levels.

7.8.1.4* Required illumination shall be arranged so that the failure of any single lighting unit does not result in an illumination level of less than 0.2 ft-candle (2.2 lux) in any designated area.

7.8.1.5 The equipment or units installed to meet the requirements of Section 7.10 also shall be permitted to serve the function of illumination of means of egress, provided that all requirements of Section 7.8 for such illumination are met.

7.8.2 Sources of Illumination.

7.8.2.1* Illumination of means of egress shall be from a source considered reliable by the authority having jurisdiction.

7.8.2.2 Battery-operated electric lights and other types of portable lamps or lanterns shall not be used for primary illumination of means of egress. Battery-operated electric lights shall be permitted to be used as an emergency source to the extent permitted under Section 7.9.

7.9 Emergency Lighting.

7.9.1 General.

7.9.1.1* Emergency lighting facilities for means of egress shall be provided in accordance with Section 7.9 for the following: (1) Buildings or structures where required in Chapters 11 through 43 (2) Underground and limited access structures as addressed in Section 11.7 (3) High-rise buildings as required by other sections of this Code (4) Doors equipped with delayed-egress locks (5) Stair shaft and vestibule of smokeproof enclosures, for which the following also apply: (a) The stair shaft and vestibule shall be permitted to include a standby generator that is installed for the smokeproof enclosure mechanical ventilation equipment. (b) The standby generator shall

be permitted to be used for the stair shaft and vestibule emergency lighting power supply. (6) New access-controlled egress doors in accordance with 7.2.1.6.2.

7.9.1.2 For the purposes of 7.9.1.1, exit access shall include only designated stairs, aisles, corridors, ramps, escalators, and passageways leading to an exit. For the purposes of 7.9.1.1, exit discharge shall include only designated stairs, ramps, aisles, walkways, and escalators leading to a public way.

7.9.1.3 Where maintenance of illumination depends on changing from one energy source to another, a delay of not more than 10 seconds shall be permitted.

7.9.2 Performance of System.

7.9.2.1* Emergency illumination shall be provided for not less than 1-1/2 hours in the event of failure of normal lighting. Emergency lighting facilities shall be arranged to provide initial illumination that is not less than an average of 1 ft-candle (10.8 lux) and, at any point, not less than 0.1 ft-candle (1.1 lux), measured along the path of egress at floor level. Illumination levels shall be permitted to decline to not less than an average of 0.6 ft-candle (6.5 lux) and, at any point, not less than 0.06 ft-candle (0.65 lux) at the end of the 1-1/2 hours. A maximum-to-minimum illumination uniformity ratio of 40 to 1 shall not be exceeded.

7.9.2.2 New emergency power systems for emergency lighting shall be at least Type 10, Class 1.5, Level 1, in accordance with NFPA110, *Standard for Emergency and Standby Power Systems*.

7.9.2.3* The emergency lighting system shall be arranged to provide the required illumination automatically in the event of any interruption of normal lighting due to any of the following: (1) Failure of a public utility or other outside electrical power supply (2) Opening of a circuit breaker or fuse (3) Manual act(s), including accidental opening of a switch controlling normal lighting facilities.

7.9.2.4 Emergency generators providing power to emergency lighting systems shall be installed, tested, and maintained in accordance with NFPA 110, *Standard for Emergency and Standby Power Systems*. Stored electrical energy systems, where required in this Code, other than battery systems for emergency luminaires in accordance with 7.9.2.5, shall be installed and tested in accordance with NFPA 111, *Standard on Stored Electrical Energy Emergency and Standby Power Systems*.

7.9.2.5 Unit equipment and battery systems for emergency luminaires shall be listed to UL 924, *Standard for Emergency Lighting and Power Equipment*.

7.9.2.6* Existing battery-operated emergency lights shall use only reliable types of rechargeable batteries provided with suitable facilities for maintaining them in properly charged condition. Batteries used in such lights or units shall be approved for their intended use and shall comply with NFPA70, *National Electrical Code*.

7.9.2.7 The emergency lighting system shall be either continuously in operation or shall be capable of repeated automatic operation without manual intervention.

7.9.3 Periodic Testing of Emergency Lighting Equipment.

7.9.3.1 Required emergency lighting systems shall be tested in accordance with one of the three options offered by 7.9.3.1.1, 7.9.3.1.2, or 7.9.3.1.3.

7.9.3.1.1 Testing of required emergency lighting systems shall be permitted to be conducted as follows: (1) Functional testing shall be conducted monthly with a minimum of 3 weeks and a maximum of 5 weeks between tests, for not less than 30 seconds, except as otherwise permitted by 7.9.3.1.1(2). (2) The test interval shall be permitted to extend beyond 30 days with the approval of the authority having jurisdiction. (3) Functional testing shall be conducted annually for not less than 1-1/2 hours if the emergency

lighting system is battery powered. (4) The emergency lighting equipment shall be fully operational for the duration of the tests required by 7.9.3.1.1(1) and 7.9.3.1.1(2). (5) Written records of visual inspections and tests shall be kept by the owner for inspection by the authority having jurisdiction.

7.9.3.1.2 Testing of required emergency lighting systems shall be permitted to be conducted as follows: (1) Self-testing/self-diagnostic battery-operated emergency lighting equipment shall be provided. (2) Not less than once every 30 days, self-testing/self-diagnostic battery-operated emergency lighting equipment shall automatically perform a test with a duration of a minimum of 30 seconds and a diagnostic routine. (3) Self-testing/self-diagnostic battery-operated emergency lighting equipment shall indicate failures by a status indicator. (4) A visual inspection shall be performed at intervals not exceeding 30 days. (5) Functional testing shall be conducted annually for not less than 1-1/2 hours. (6) Self-testing/self-diagnostic battery-operated emergency lighting equipment shall be fully operational for the duration of the 1-1/2 hour test. (7) Written records of visual inspections and tests shall be kept by the owner for inspection by the authority having jurisdiction.

7.9.3.1.3 Testing of required emergency lighting systems shall be permitted to be conducted as follows: (1) Computer-based, self-testing/self-diagnostic battery operated emergency lighting equipment shall be provided. (2) The emergency lighting equipment shall automatically perform not less than once every 30 days a test for not less than 30 seconds and a diagnostic routine. (3) The emergency lighting equipment shall automatically perform annually a test for not less than 1-1/2 hours. (4) The emergency lighting equipment shall be fully operational for the duration of the tests required by 7.9.3.1.3(2) and 7.9.3.1.3(3). (5) The computer-based system shall be capable of providing a report of the history of tests and failures at all times.

7.10 Marking of Means of Egress.

7.10.1 General.

7.10.1.1 Where Required. Means of egress shall be marked in accordance with Section 7.10 where required in Chapters 11 through 43.

7.10.1.2 Exits.

7.10.1.2.1* Exits, other than main exterior exit doors that obviously and clearly are identifiable as exits, shall be marked by an approved sign that is readily visible from any direction of exit access.

7.10.1.2.2* Horizontal components of the egress path within an exit enclosure shall be marked by approved exit or directional exit signs where the continuation of the path of egress is not obvious.

7.10.1.3 Exit Door Tactile Signage. Tactile signage shall be provided to meet the following criteria, unless otherwise provided in 7.10.1.4: (1) Tactile signage shall be located at each exit door requiring an exit sign. (2) Tactile signage shall read as follows: EXIT. (3) Tactile signage shall comply with ICC/ANSI A117.1, *American National Standard for Accessible and Usable Buildings and Facilities*.

7.10.1.4 Existing Exemption. The requirements of 7.10.1.3 shall not apply to existing buildings, provided that the occupancy classification does not change.

7.10.1.5 Exit Access.

7.10.1.5.1 Access to exits shall be marked by approved, readily visible signs in all cases where the exit or way to reach the exit is not readily apparent to the occupants.

7.10.1.5.2* New sign placement shall be such that no point in an exit access corridor is in excess of the rated viewing distance or 100 ft (30 m), whichever is less, from the nearest sign.

7.10.1.6* Floor Proximity Exit Signs. Where floor proximity exit signs are required in Chapters 11 through 43, such signs shall comply with 7.10.3, 7.10.4, 7.10.5, and 7.10.6 for externally illuminated signs and 7.10.7 for internally illuminated signs. Such signs shall be

located near the floor level in addition to those signs required for doors or corridors. The bottom of the sign shall be not less than 6 in. (150 mm), but not more than 18 in. (455 mm), above the floor. For exit doors, the sign shall be mounted on the door or adjacent to the door, with the nearest edge of the sign within 4 in. (100 mm) of the door frame.

7.10.1.7* Floor Proximity Egress Path Marking. Where floor proximity egress path marking is required in Chapters 11 through 43, an approved floor proximity egress path marking system that is internally illuminated shall be installed within 18 in. (455 mm) of the floor. Floor proximity egress path marking systems shall be listed in accordance with ANSI/UL 1994, *Standard for Luminous Egress Path Marking Systems*. The system shall provide a visible delineation of the path of travel along the designated exit access and shall be essentially continuous, except as interrupted by doorways, hallways, corridors, or other such architectural features. The system shall operate continuously or at any time the building fire alarm system is activated. The activation, duration, and continuity of operation of the system shall be in accordance with 7.9.2. The system shall be maintained in accordance with the product manufacturing listing.

7.10.1.8* Visibility. Every sign required in Section 7.10 shall be located and of such size, distinctive color, and design that it is readily visible and shall provide contrast with decorations, interior finish, or other signs. No decorations, furnishings, or equipment that impairs visibility of a sign shall be permitted. No brightly illuminated sign (for other than exit purposes), display, or object in or near the line of vision of the required exit sign that could detract attention from the exit sign shall be permitted.

7.10.1.9 Mounting Location. The bottom of new egress markings shall be located at a vertical distance of not more than 6 ft 8 in. (2030 mm) above the top edge of the egress opening intended for designation by that marking. Egress markings shall be located at a horizontal distance of not more than the required width of the egress opening, as measured from the edge of the egress opening intended for designation by that marking to the nearest edge of the marking.

7.10.2 Directional Signs.

7.10.2.1* A sign complying with 7.10.3 with a directional indicator showing the direction of travel shall be placed in every location where the direction of travel to reach the nearest exit is not apparent.

7.10.2.2 Directional exit signs shall be provided within horizontal components of the egress path within exit enclosures as required by 7.10.1.2.2.

7.10.3* Sign Legend.

7.10.3.1 Signs required by 7.10.1 and 7.10.2 shall read as follows in plainly legible letters, or other appropriate wording shall be used:

EXIT

7.10.3.2* Where approved by the authority having jurisdiction, pictograms in compliance with NFPA 170, *Standard for Fire Safety and Emergency Symbols*, shall be permitted.

7.10.4* Power Source. Where emergency lighting facilities are required by the applicable provisions of Chapter 11 through Chapter 42 for individual occupancies, the signs, other than approved self-luminous signs and listed photoluminescent signs in accordance with 7.10.7.2, shall be illuminated by the emergency lighting facilities. The level of illumination of the signs shall be in accordance with 7.10.6.3 or 7.10.7 for the required emergency lighting duration as specified in 7.9.2.1. However, the level of illumination shall be permitted to decline to 60 percent at the end of the emergency lighting duration.

7.10.5 Illumination of Signs.

7.10.5.1* General. Every sign required by 7.10.1.2, 7.10.1.5, or 7.10.8.1, other than where operations or processes require low lighting levels, shall be suitably illuminated by a reliable light source. Externally and internally illuminated signs shall be legible in both the normal and emergency lighting mode.

7.10.5.2* Continuous Illumination.

7.10.5.2.1 Every sign required to be illuminated by 7.10.6.3, 7.10.7, and 7.10.8.1 shall be continuously illuminated as required under the provisions of Section 7.8, unless otherwise provided in 7.10.5.2.2.

7.10.5.2.2* Illumination for signs shall be permitted to flash on and off upon activation of the fire alarm system.

7.10.6 Externally Illuminated Signs.

7.10.6.1* Size of Signs.

7.10.6.1.1 Externally illuminated signs required by 7.10.1 and 7.10.2, other than approved existing signs, unless otherwise provided in 7.10.6.1.2, shall read EXIT or shall use other appropriate wording in plainly legible letters sized as follows: (1) For new signs, the letters shall be not less than 6 in. (150 mm) high, with the principal strokes of letters not less than 3/4 in. (19 mm) wide. (2) For existing signs, the required wording shall be permitted to be in plainly legible letters not less than 4 in. (100 mm) high. (3) The word EXIT shall be in letters of a width not less than 2 in. (51 mm), except the letter I, and the minimum spacing between letters shall be not less than 3/8 in. (9.5 mm). (4) Sign legend elements larger than the minimum established in 7.10.6.1.1(1) through 7.10.6.1.1(3) shall use letter widths, strokes, and spacing in proportion to their height.

7.10.6.1.2 The requirements of 7.10.6.1.1 shall not apply to marking required by 7.10.1.3 and 7.10.1.6.

7.10.6.2* Size and Location of Directional Indicator.

7.10.6.2.1 Directional indicators, unless otherwise provided in 7.10.6.2.2, shall comply with the following:

- (1) The directional indicator shall be located outside of the EXIT legend, not less than 3/8 in. (9.5 mm) from any letter.
- (2) The directional indicator shall be of a chevron type, as shown in Figure 7.10.6.2.1.
- (3) The directional indicator shall be identifiable as a directional indicator at a distance of 40 ft (12 m).
- (4) A directional indicator larger than the minimum established for compliance with 7.10.6.2.1(3) shall be proportionately increased in height, width, and stroke.
- (5) The directional indicator shall be located at the end of the sign for the direction indicated.



FIGURE 7.10.6.2.1 Chevron-Type Indicator.

7.10.6.2.2 The requirements of 7.10.6.2.1 shall not apply to approved existing signs.

7.10.6.3* Level of Illumination. Externally illuminated signs shall be illuminated by not less than 5 ft-candles (54 lux) at the illuminated surface and shall have a contrast ratio of not less than 0.5.

7.10.7 Internally Illuminated Signs.

7.10.7.1 Listing. Internally illuminated signs shall be listed in accordance with UL 924, *Standard for Emergency Lighting and Power Equipment*, unless they meet one of the following criteria: (1) They are approved existing signs. (2) They are existing signs having the required wording in legible letters not less than 4 in. (100 mm) high. (3) They are signs that are in accordance with 7.10.1.3 and 7.10.1.6.

7.10.7.2* Photoluminescent Signs. The face of a photoluminescent sign shall be continually illuminated while the building is occupied. The illumination levels on the face of the photoluminescent sign shall be in accordance with its listing. The charging illumination shall be a reliable light source as determined by the authority having jurisdiction. The charging light source shall be of a type specified in the product markings.

7.10.8 Special Signs.

7.10.8.1 Sign Illumination.

7.10.8.1.1 Where required by other provisions of this Code, special signs shall be illuminated in accordance with 7.10.5, 7.10.6.3, and 7.10.7.

7.10.8.1.2 Where emergency lighting facilities are required by the applicable provisions of Chapter 12 through Chapter 43, the required illumination of special signs shall additionally be provided under emergency lighting conditions.

7.10.8.2 Characters. Special signs, where required by other

provisions of this Code, shall comply with the visual character requirements of ICC/ANSI A117.1, *American National Standard for Accessible and Usable Buildings and Facilities*.

7.10.8.3* No Exit.

7.10.8.3.1 Any door, passage, or stairway that is neither an exit nor a way of exit access and that is located or arranged so that it is likely to be mistaken for an exit shall be identified by a sign that reads as follows:

**NO
EXIT**

7.10.8.3.2 The NO EXIT sign shall have the word NO in letters 2 in. (51 mm) high, with a stroke width of 3/8 in. (9.5 mm), and the word EXIT in letters 1 in. (25 mm) high, with the word EXIT below the word NO, unless such sign is an approved existing sign.

7.10.8.4 Elevator Signs. Elevators that are a part of a means of egress (see 7.2.13.1) shall have the following signs with a minimum letter height of 5/8 in. (16 mm) posted in every elevator lobby: (1)*Signs that indicate that the elevator can be used for egress, including any restrictions on use (2)*Signs that indicate the operational status of elevators.

7.10.8.5* Evacuation Diagram. Where a posted floor evacuation diagram is required in Chapters 11 through 43, floor evacuation diagrams reflecting the actual floor arrangement and exit locations shall be posted and oriented in a location and manner acceptable to the authority having jurisdiction.

7.10.9 Testing and Maintenance.

7.10.9.1 Inspection. Exit signs shall be visually inspected for operation of the illumination sources at intervals not to exceed 30 days or shall be periodically monitored in accordance with 7.9.3.1.3.

7.10.9.2 Testing. Exit signs connected to or provided with a battery-operated emergency illumination source, where required in 7.10.4, shall be tested and maintained in accordance with 7.9.3.

NFPA 70 NATIONAL ELECTRICAL CODE® 2008

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ARTICLE 700 Emergency Systems

I. General

700.1 Scope

The provisions of this article apply to the electrical safety of the installation, operation, and maintenance of emergency systems consisting of circuits and equipment intended to supply, distribute, and control electricity for illumination, power, or both, to required facilities when the normal electrical supply or system is interrupted.

Emergency systems are those systems legally required and classed as emergency by municipal, state, federal, or other codes, or by any governmental agency having jurisdiction. These systems are intended to automatically supply illumination, power, or both, to designated areas and equipment in the event of failure of the normal supply or in the event of accident to elements of a system intended to supply, distribute, and control power and illumination essential for safety to human life.

FPN No. 1: For further information regarding wiring and installation of emergency systems in health care facilities, see Article 517.

FPN No. 2: For further information regarding performance and maintenance of emergency systems in health care facilities, see NFPA 99-2005, Standard for Health Care Facilities.

FPN No. 3: Emergency systems are generally installed in places of assembly where artificial illumination is required for safe exiting and for panic control in buildings subject to occupancy by large numbers of persons, such as hotels, theaters, sports arenas, health care facilities, and similar institutions. Emergency systems may also provide power for such functions as ventilation where essential to maintain life, fire detection and alarm systems, elevators, fire pumps, public safety communications systems, industrial processes where current interruption would produce serious life safety or health hazards, and similar functions.

FPN No. 4: For specification of locations where emergency lighting is considered essential to life safety, see NFPA 101®-2006, Life Safety Code®.

FPN No. 5: For further information regarding performance of emergency and standby power systems, see NFPA 110-2005, Standard for Emergency and Standby Power Systems.

700.8 Signs

(A) **Emergency Sources** A sign shall be placed at the service entrance equipment, indicating type and location of on-site emergency power sources.

Exception: A sign shall not be required for individual unit equipment as specified in 700.12(F).

(B) **Grounding** Where the grounded circuit conductor connected to the emergency source is connected to a grounding electrode conductor at a location remote from the emergency source, there shall be a sign at the grounding location that shall identify all emergency and normal sources connected at that location.

II. Circuit Wiring

700.9 Wiring, Emergency System

(A) **Identification** All boxes and enclosures (including transfer switches, generators, and power panels) for emergency circuits

shall be permanently marked so they will be readily identified as a component of an emergency circuit or system.

(B) **Wiring** Wiring of two or more emergency circuits supplied from the same source shall be permitted in the same raceway, cable, box, or cabinet. Wiring from an emergency source or emergency source distribution overcurrent protection to emergency loads shall be kept entirely independent of all other wiring and equipment, unless otherwise permitted in (1) through (4):

(1) Wiring from the normal power source located in transfer equipment enclosures

(2) Wiring supplied from two sources in exit or emergency luminaires (lighting fixtures)

(3) Wiring from two sources in a common junction box, attached to exit or emergency luminaires (lighting fixtures)

(4) Wiring within a common junction box attached to unit equipment, containing only the branch circuit supplying the unit equipment and the emergency circuit supplied by the unit equipment

(5) Wiring from an emergency source to supply any combination of emergency, legally required, or optional loads in accordance with (a), (b), and (c):

(a) From separate vertical switchboard sections, with or without a common bus, or from individual disconnects mounted in separate enclosures

(b) The common bus or separate sections of the switchboard or the individual enclosures shall be permitted to be supplied by single or multiple feeders without overcurrent protection at the source

Exception to (5)(b): Overcurrent protection shall be permitted at the source or for the equipment, provided the overcurrent protection is selectively coordinated with the downstream overcurrent protection.

(c) Legally required and optional standby circuits shall not originate from the same vertical switchboard section, panelboard enclosure, or individual disconnect enclosure as emergency circuits

(C) **Wiring Design and Location** Emergency wiring circuits shall be designed and located so as to minimize the hazards that might cause failure due to flooding, fire, icing, vandalism, and other adverse conditions.

(D) **Fire Protection** Emergency systems shall meet the additional requirements in 700.9(D)(1) and (D)(2) assembly occupancies for not less than 1000 persons or in buildings above 23 m (75 ft) in height with any of the following occupancy classes: assembly, educational, residential, detention and correctional, business, and mercantile.

(1) **Feeder-Circuit Wiring** Feeder-circuit wiring shall meet one of the following conditions:

(1) Be installed in spaces or areas that are fully protected by an approved automatic fire suppression system

(2) Be a listed electrical circuit protective system with a minimum 1-hour fire rating

FPN: UL guide information for electrical circuit protection systems (FHIT) contains information on proper installation requirements to maintain the fire rating.

(3) Be protected by a listed thermal barrier system for electrical system components

(4) Be protected by a listed fire-rated assembly that has a minimum

fire rating of 1 hour and contains only emergency wiring circuits

(5) Be embedded in not less than 50 mm (2 in.) of concrete

(6) Be a cable listed to maintain circuit integrity for not less than 1 hour when installed in accordance with the listing requirements

(2) **Feeder-Circuit Equipment** Equipment for feeder circuits (including transfer switches, transformers, and panelboards) shall be located either in spaces fully protected by approved automatic fire suppression systems (including sprinklers, carbon dioxide systems) or in spaces with a 1-hour fire resistance rating.

FPN: For the definition of occupancy classification, see Section 6.1 of NFPA 101-2003, Life Safety Code.

(3) **Generator Control Wiring** Control conductors installed between the transfer equipment and the emergency generator shall be kept entirely independent of all other wiring and shall meet the conditions of 700.9(D)(1).

V. Emergency System Circuits for Lighting and Power

700.15 Loads on Emergency Branch Circuits

No appliances and no lamps, other than those specified as required for emergency use, shall be supplied by emergency lighting circuits.

700.16 Emergency Illumination

Emergency illumination shall include all required means of egress lighting, illuminated exit signs, and all other lights specified as necessary to provide required illumination.

Emergency lighting systems shall be designed and installed so that the failure of any individual lighting element, such as the burning out of a lamp, cannot leave in total darkness any space that requires emergency illumination.

Where high-intensity discharge lighting such as high- and low-pressure sodium, mercury vapor, and metal halide is used as the sole source of normal illumination, the emergency lighting system shall be required to operate until normal illumination has been restored.

Exception: Alternative means that ensure emergency lighting illumination level is maintained shall be permitted.

700.17 Circuits for Emergency Lighting

Branch circuits that supply emergency lighting shall be installed to provide service from a source complying with 700.12 when the normal supply for lighting is interrupted. Such installations shall provide either of the following:

(1) An emergency lighting supply, independent of the general lighting supply, with provisions for automatically transferring the emergency lights upon the event of failure of the general lighting system supply

(2) Two or more separate and complete systems with independent power supply, each system providing sufficient current for emergency lighting purposes

Unless both systems are used for regular lighting purposes and are both kept lighted, means shall be provided for automatically energizing either system upon failure of the other. Either or both systems shall be permitted to be a part of the general lighting system of the protected occupancy if circuits supplying lights for emergency illumination are installed in accordance with other sections of this article.

700.18 Circuits for Emergency Power

For branch circuits that supply equipment classed as emergency, there shall be an emergency supply source to which the load will be transferred automatically upon the failure of the normal supply.

VOLTAGE DROP TABLES

The following information is provided to assist in planning layouts for emergency lighting systems. The National Electrical Code® limits voltage drop to a maximum of 5% of nominal. Thus, circuit runs must be of sufficient size to maintain operating voltage when remote fixtures and/or exit signs are connected to the emergency lighting equipment. The table below shows the length of wire run based on system voltage, wire gauge and total wattage on the run.

Formula: As per NEC® standards,

$$V_d = \frac{2 \times L \times I \times R}{1000}$$

Where: L = length of run in feet

I = current

R = resistance of material at 75°C

V_d = voltage drop

Example 1:

A 12V system using a 10-gauge wire will operate four 12W lamps. Total watts on the wire run is 48, length of run from table is 70 feet.

Longer Wire Runs

If loads are uniformly spaced along circuit path (equal watts, equal distances), lengths in the table can be increased by certain values.

Example 2:

Remote heads from *Example 1* will be uniformly spaced. Multiplier is 1.6 for four fixtures. Maximum permissible length of wire run is 70' x 1.6, or 112'.

Number of fixtures:	2	3	4	5
Multiplier:	1.33	1.5	1.6	1.67

To determine multiplier for six or more fixtures, use the following formula:

Number of fixtures = n

$$\text{Multiplier} = \frac{2n}{n+1}$$

6V SYSTEM					
TOTAL WATTS	WIRE SIZE LENGTH OF WIRE RUN (FEET)				
	12	10	8	6	4
8	67	106	169	268	350
10	53	85	135	214	280
12	44	70	112	178	234
13	41	65	110	165	216
14	38	60	96	153	200
16	33	53	84	134	175
18	30	47	75	120	156
20	26	42	67	107	140
21	25	40	64	102	134
24	22	35	56	89	117
25	21	32	54	86	112
30	18	28	45	71	93
35	15	24	39	62	80
36	15	24	38	61	97
40	13	21	33	53	70
48	11	17	28	44	58
50	10	17	27	43	56
54	10	16	26	41	65
60	9	14	22	36	47
75	8	11	18	29	37
100	6	9	14	22	28
125	4	6	10	17	22
150	3	5	9	14	19
175	3	4	7	12	16
200	2	4	6	10	14
225	2	3	6	9	12
250	2	3	5	8	11
300	1	2	4	7	9
400	1	2	3	5	7
450	1	1	3	4	7

12V SYSTEM					
TOTAL WATTS	WIRE SIZE LENGTH OF WIRE RUN (FEET)				
	12	10	8	6	4
8	267	425	675	1,073	1,707
10	213	339	540	858	1,366
12	178	283	450	715	1,138
13	165	260	415	660	1,050
14	152	242	385	613	975
16	133	212	337	536	853
18	110	190	300	475	760
20	106	169	270	429	683
21	101	161	257	408	650
24	89	141	225	357	569
25	85	136	215	340	540
30	71	112	180	285	455
35	61	97	154	245	390
36	61	97	154	244	388
40	53	84	135	214	341
48	44	70	112	178	284
50	42	68	108	170	275
54	40	64	102	163	259
60	35	52	90	140	225
75	29	45	72	114	182
100	21	34	54	86	137
125	17	27	43	68	109
150	14	23	36	57	91
175	12	19	30	49	78
200	10	17	27	43	68
225	9	15	24	38	60
250	8	14	21	34	55
300	7	11	18	28	45
400	5	8	13	21	34
450	4	8	12	19	30

24V SYSTEM					
TOTAL WATTS	WIRE SIZE LENGTH OF WIRE RUN (FEET)				
	12	10	8	6	4
8	1,068	1,698	2,701	4,293	6,830
10	854	1,358	2,161	3,435	5,464
12	712	1,132	1,801	2,862	4,553
13	660	1,040	1,668	2,640	4,200
14	610	970	1,543	2,453	3,902
16	534	849	1,350	2,146	3,415
18	440	760	1,200	1,900	3,040
20	427	679	1,080	1,717	2,732
21	407	647	1,029	1,635	2,601
24	356	566	900	1,431	2,276
25	340	544	860	1,360	2,160
30	284	448	720	1,140	1,810
35	244	388	616	980	1,560
36	242	386	614	976	1553
40	213	339	540	858	1,366
48	178	283	450	715	1,138
50	168	272	432	680	1,100
54	162	257	410	651	1,035
60	140	208	360	560	900
75	116	180	288	456	728
100	84	136	216	344	548
125	68	108	172	274	437
150	56	92	144	228	364
175	48	77	123	196	312
200	40	68	108	172	272
225	37	60	96	152	242
250	32	52	84	136	220
300	26	44	72	112	180
400	21	34	54	85	136
450	19	30	48	76	120

OUTDOOR EMERGENCY LIGHTING

Traditional emergency lighting and exit signs have been primarily focused on guiding the interior occupants of a building to the nearest exit in the event of an emergency. Today, an additional emphasis is being placed on getting occupants to and along a path of safety once they are out of the building.

While the code is unclear on what constitutes a pathway and the definition of "the means to a public way", local authorities having jurisdiction over code enforcement and compliance have begun to broaden their interpretation of the Life Safety Code® to include some elements of outdoor emergency lighting.

Lithonia Lighting® provides a complete list of solutions for outdoor emergency applications, including both *normally on* outdoor fixtures that switch to emergency mode when needed, and *normally off* fixtures designed only to provide emergency lighting.

Normally Off (Dedicated) Fixtures

The following dedicated normally off fixtures include both stand-alone emergency lighting units and remote lamp heads. Both offer their own unique advantages.

Remote lamp heads offer advantages such as lower initial cost, lower maintenance cost and better aesthetics due to their small size. However, a battery source is required for operation.

Stand-alone emergency lighting units come equipped with a battery and can be less expensive if the application requires a small number to meet light levels.



INDX



AFN

STAND-ALONE EMERGENCY LIGHTING UNITS						
Stand-alone unit equipment also can be used as a power source.						
FIXTURE	DESCRIPTION	WET ¹	DAMP ²	NEMA 4X ³	COLD WEATHER ⁴	
AFN EXT AFN EXT FWD	Architectural die-cast with xenon lamp, standard and forward optics (FWD) option	■	■		-18° C to 50° C	
IND618-6100 IND1236-12450 IND24100-24150	Industrial emergency unit with krypton lamp		■		-40° C to 55° C (ULT option)	
INDX618-6100 INDX1236-12125 INDX24100	Industrial NEMA 4X emergency unit with krypton lamp	■	■	■	-40° C to 55° C (ULT option)	
ELM DL ELM2 DL	Thermoplastic emergency unit with krypton lamp		■			
ELM618-654 DL ELM1254-1272 DL	High-capacity thermoplastic with krypton lamp		■			

■ = Available

REMOTE LAMP HEADS						
FIXTURE	DESCRIPTION	WET	DAMP	NEMA 4X/IP66	COLD WEATHER	
ELA AFNR	Architectural die-cast remote w/ xenon lamp	■	■		-40° C to 60° C	
ELA OMC	Outdoor mini cylinder die-cast remote w/halogen lamp	■	■	■		
ELA CL	Recessed round outdoor core remote w/halogen lamp	■	■			
ELA OSL	Recessed outdoor step light w/halogen lamp	■	■			
ELA NX	Gasketed, wet location remote w/incandescent or halogen lamp	■	■			

■ = Available

Lithonia Lighting unit equipment or exit signage with additional capacity can be used to power any remote-mounted lamp. These units or exits can be mounted indoors, while leads can be run to the outdoors.

Normally On Fixtures

Lithonia Lighting® building-mounted products are available with several options to provide attractive and efficient outdoor emergency egress lighting solutions.

Integral emergency battery packs (ELDW) or operation with a remote battery pack (ELDWR) for use with compact fluorescent lamps, 12V

DC lamps (DC12) powered by a remote battery source or 120V AC lamps (EC) on an emergency circuit are all available today. For specific product and technical information, please refer to www.lithonia.com.

ELDW and ELDWR

ELDW – Integral battery pack that operates compact fluorescent lamps at a reduced lumen output.

ELDWR – Remote battery pack ready for compact fluorescent lamps. Battery pack (by others) mounted external to the building-mounted luminaire. Pilot light/test switch mounting plate and additional wiring included to connect with the external battery pack provided separately.

LAMP OPTIONS (# OF LAMPS/ WATTAGE)	LAMP START TEMP. °F (°C)	INITIAL ELDW LUMENS	ELDW			ELDWR ⁵
			GATEWAY® VGR1C, VGR2C, VRG4C, VGR5C	ARCHITECTURAL SCONCE WSR, WST, WSQ	AERIS™ ASW	VGRXC WSR/T/Q ASW
13DTT	-5° (-20°)	350	■			■
2/13DTT	-5° (-20°)	425	■			■
18DTT	-5° (-20°)	475	■			■
2/18DTT	-5° (-20°)	575	■			■
26DTT	-5° (-20°)	600	■			■
2/26DTT	-5° (-20°)	700		■	■	■
26TRT	-5° (-20°)	450	■			■
2/26TRT	-5° (-20°)	725				■
32TRT	-5° (-20°)	575	■	■	■	■
2/32TRT	-5° (-20°)	750				■
42TRT	-5° (-20°)	750	■	■	■	■
2/42TRT	-5° (-20°)	N/A				■

■ = Available



ASW

DC Options

The DC option provides an auxiliary emergency socket for either a 20W or 35W, 12V DC bayonet base MR11 lamp for use with separate external 12V emergency power source (provided by others).

DC LAMP OPTION SUFFIX ⁶ (# OF LAMPS/WATTAGE)	INITIAL LUMENS (PER LAMP)	CONTOUR® TWAC	ARCHITECTURAL SCONCE WSR, WST, WSQ	AERIS™ ASW ⁷
DC2012 (1) 20W lamp	350	■	■	■
2DC2012 (2) 20W lamps	350	■	■	■
DC12 (1) 35W lamp	660	■	■	■
2DC12 (2) 35W lamps	660	■	■	■

■ = Available



TWAC

Notes

- 1 Direct exposure to rain or water.
- 2 Subject to moisture; fixture must be mounted under a canopy.
- 3 NEMA 4X hosedown/dustproof listing.
- 4 Cold weather listing: -18 to 50°C (AFN); -40 to 60°C (ELA AFNR DB); or -40 to 55°C (IND/INDX). Exit signage with additional capacity also can be used to run remote heads (e.g., Signature® with ELA LEHO or LHQM).

- 5 Initial ELDWR lamp lumens depends on the battery pack used. Add ELDW or ELDWR to product family catalog number.
- 6 Add DC option suffix to product family catalog number.
- 7 Consult factory for wattage and reflector availability.

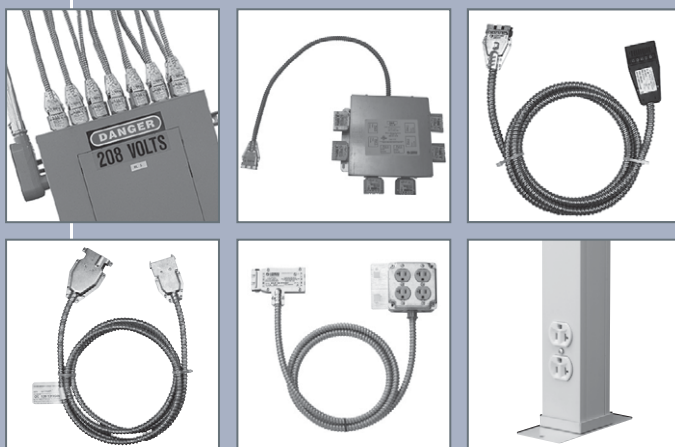
For additional information, visit www.lithonia.com/outdooremergency.



RELOC WIRING SOLUTIONS

Since 1977, RELOC Wiring Solutions has been the leader in modular branch circuit wiring for light fixtures. featuring comprehensive plug-and-play modular wiring solutions from the lighting panel to the light fixture, power receptacles and other utilization equipment.

RELOC wiring offers the lowest total job cost versus traditional wiring methods due to substantial labor savings realized when installing a fast, easy and effective RELOC system. Key applications include open ceiling, recessed ceiling, retail, raised floor systems and healthcare facilities.



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RELOC SYSTEMS OVERVIEW	ONEPASS®	QUICK-FLEX®	820 SYSTEM
Usage	Indoor, dry and accessible areas	Indoor, dry and accessible areas	Indoor, dry and accessible areas
Amperage	20 AMPS	20 AMPS	20 AMPS
Applications	Open-ceiling lighting	Recessed-ceiling lighting	Commercial lighting commercial power
Number of contacts	5	4	5
Number of conductors	3-5	3-4	3-5
Size of conductors	12 AWG, 10 AWG	12 AWG	12 AWG
Luminaire grounding	Ground lead	UL listed for auto-grounding; optional ground lead available (G option)	UL listed for auto-grounding; optional ground lead available (G option)
Size of fixture leads	16 AWG	18 AWG	18 AWG
Fixture access plate included	No	Yes	No
Phase selection	Circuit selector	Crossover cable	Crossover cable
Keying (available voltages)	120V, 208V, 277V, 347V, 480V	120V, 208V, 277V, 347V	120V, 208V, 277V, 347V, 480V, IG
Latching type	Metal latch high-tensile plastic latch	High-tensile plastic latch	Metal latch
Listing	UL/cUL	UL/cUL	UL, CSA
NYC approval	Calendar number 48273	Calendar number 47802	Calendar number 48072
Cable type	FMC, MC	MC	FMC
Combo factory wiring option	Yes See page 107 for more wiring options	A - All normal ballasts wired to Hot1 B - All normal ballasts wired to Hot2 (12/3G cable only) AB - All normal ballasts wired to Hot1 and Hot2 (12/3G cable only) AE - All normal ballasts connect to Hot1; EL inverter connects to Hot2 (12/3G cable only) S	A - All normal ballasts wired to Hot1 B - All normal ballasts wired to Hot2 (12/3G cable only) AB - All normal ballasts wired to Hot1 and Hot2 (12/3G cable only) AE - All normal ballasts connect to Hot1; EL inverter connects to Hot2 (12/3G cable only)
Cable & cord color	Cable - all colors Cord - white, black	All colors	All colors
Usable in other spaces used for environmental air NEC (300.22C)	No	Yes	Yes
Temperature rating	-20°C to 90°C (105°C for cord products)	-20°C to 90°C	-20°C to 90°C
Dust cover	Provided with each master pack Additional covers: order part number RDC3 METAL DUST COVER J50	Provided with each master pack Additional covers: order part number QUICKFLEX DUST COVER J50	Provided with each master pack Additional covers: order part number RDC3 METAL DUST COVER J50
Patents	US 5,679,016	US 6,083,053; US 6,102,733; US 6,113,435; US 6,126,490	

Extend Your Savings Back to the Panel with RELOC[®] Mainrun Cable

Now the benefits of RELOC wiring can be realized all the way back to the breaker panel. RELOC offers a comprehensive plug-and-play modular wiring solution from the RELOC prefab panel out to the lighting fixtures and power receptacles including a full line of power poles and multi-outlet assemblies.

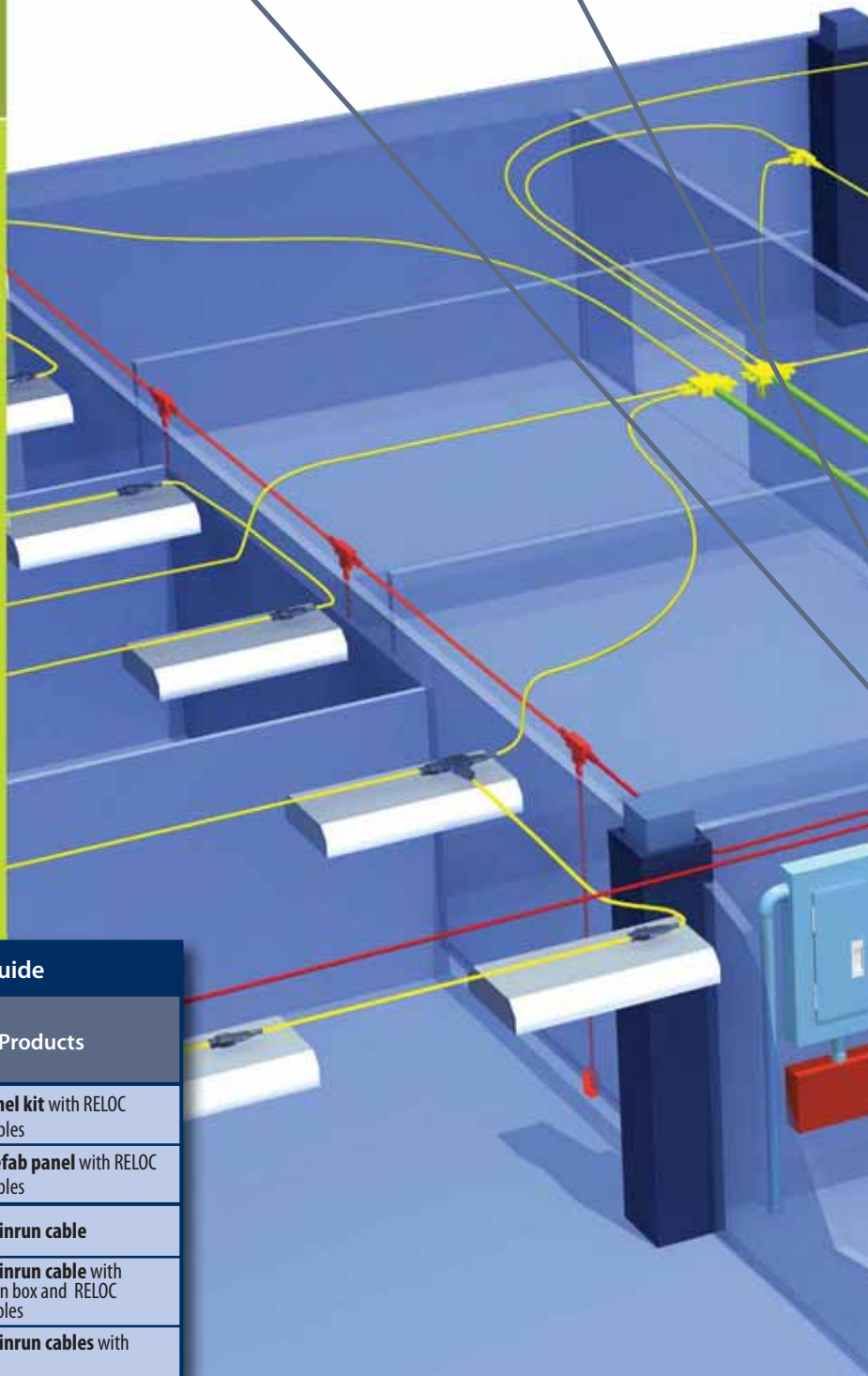
The benefits of RELOC wiring are more critical in today's fast-paced construction market, since staying on schedule and budget is tougher than ever. Every job demands wiring solutions that reduce installation time and adapt easily to design changes that occur during and after initial construction. Due to rising labor costs and shortages of qualified and experienced electricians, traditional wiring methods no longer measure up.

RELOC Prefab Panel (RPP)

RELOC now offers a factory-wired lighting or power breaker panel with your choice of panel manufacturer. Panels are supplied with all the breakers pre-wired to RELOC starter connectors mounted in the cabinet.

RELOC Panel Kit (RPK)

When using the RELOC prefab panel isn't possible, the RPK gives you an easy way to field-wire RELOC starter connectors to your panels.



Back to the Panel Selection Guide

Run Lengths	Number of circuits per run	Conductor size	Products
Less than 100 feet	3 circuits maximum	10 AWG maximum	RELOC panel kit with RELOC system cables
			RELOC prefab panel with RELOC system cables
50 to 300 feet	3 to 12 circuits	8 AWG maximum	RELOC mainrun cable
Greater than 300 feet			RELOC mainrun cable with distribution box and RELOC system cables
			RELOC mainrun cables with pull box

RELOC Mainrun Cable (RMC)

The RELOC mainrun cable extends your savings from the home run junction box back to the breaker panel.

RELOC Mainrun Cable - Pull Box Option

The pull box is ideal for lengths greater than 300' and/or when circuits need to be distributed at points along the path of the RELOC mainrun cable.

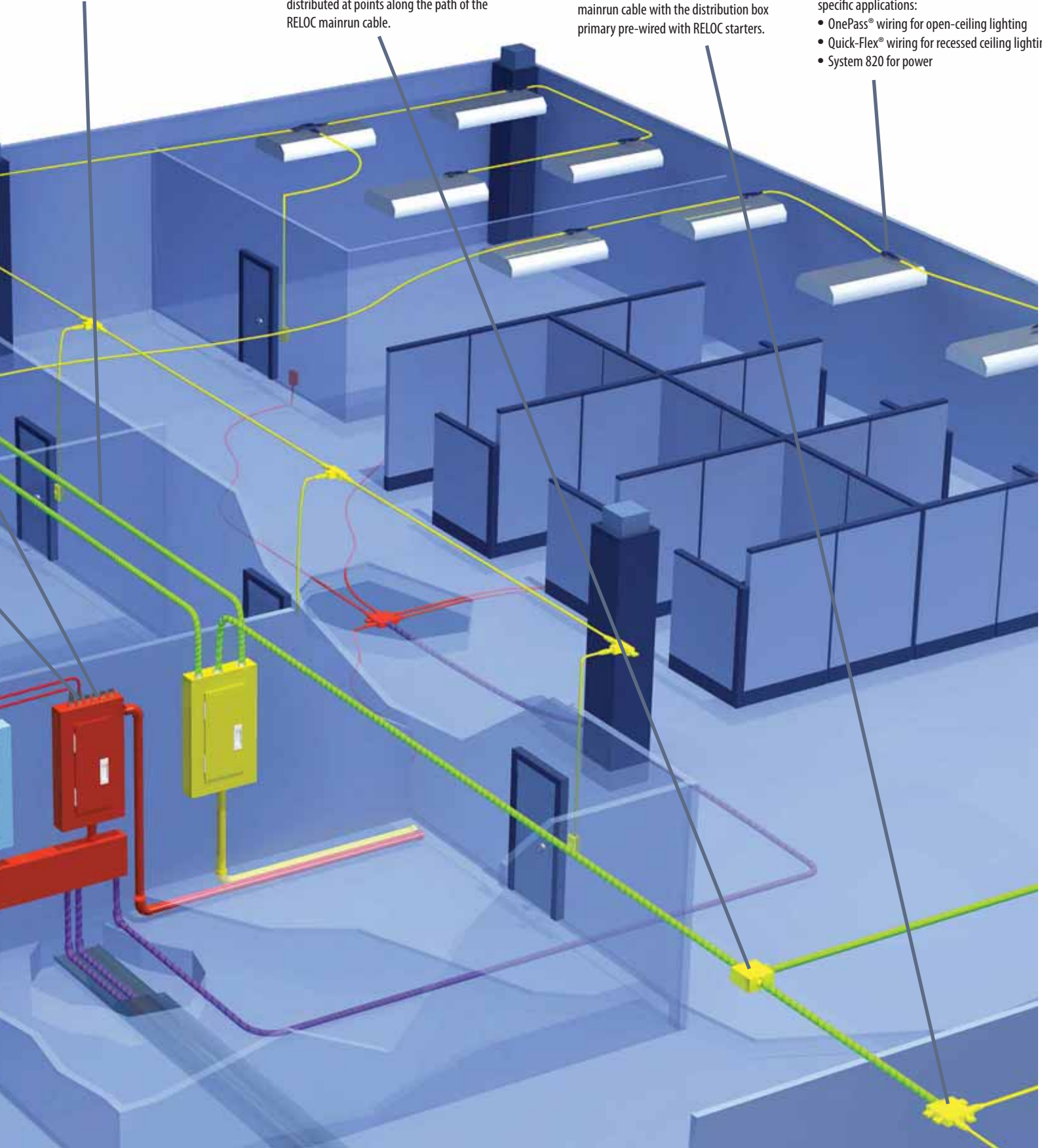
RELOC Mainrun Cable - Distribution Box Option

For maximum savings, order the RELOC mainrun cable with the distribution box primary pre-wired with RELOC starters.

RELOC Modular Systems

RELOC offers three systems uniquely designed for specific applications:

- OnePass® wiring for open-ceiling lighting
- Quick-Flex® wiring for recessed ceiling lighting
- System 820 for power



PRODUCT INFORMATION

RPP

RELOC® Prefab Panel



Intended Use
Standard electrical panel used to house circuit breakers and other overcurrent protection devices. RELOC Prewired Panel is configured with one or more RELOC ports to distribute circuits to utilization equipment.

Electrical
Panels are provided as series-rated; fully-rated panels available.

Isolated ground and 2H/2N wiring to RELOC ports available.

All internal load-side wiring uses 12 AWG stranded copper THHN (90°C).

System Features
Available with up to 14 RELOC ports with up to three circuits per RELOC port.

Compatible with RELOC systems 820, Quick-Flex® and OnePass® modular wiring systems.

Available in models Cutler-Hammer®, GE®, Square D®, and Siemens®.

Installation
Fully labeled to indicate circuit available at each port.

Listings
UL and CUL Listed.

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example: RPP 42 P2 100 IC5 MLT SS SD RP**

Series	Number of circuits ¹	Voltage	Maximum rating	Current rating	Main feed options	Mounting	Manufacturer ²	Options ³
RPP RELOC prefab panel	18	P1 120/208V	100 100 amp	IC5 5kAIC	MLT Main lug top	SS Standard surface	GEN General Electric	RP RELOC ports
	24	P2 277/480V	225 225 amp		MLB Main lug bottom		SD Square D	
	36				MBT Main breaker top		CH Cutler-Hammer	
	42				MBB Main breaker bottom		SM Siemens	

ADDITIONAL INFORMATION For additional product information, visit www.relocwiring.com.

- Notes**
- 1 36-circuit pole panels will have at least 30 circuits full of feeder breakers. 42-circuit pole panels will have at least 36 circuits full of feeder breakers.
 - 2 All panels will be provided as a series-rated panel unless a fully rated panel is clearly specified.
 - 3 RP option ensures the panel is assembled with RELOC ports and all internal wiring is complete.

PRODUCT INFORMATION

RPK

RELOC® Panel Kit



Intended Use
The RELOC panel kit enables the start of a RELOC wiring system at the panel in the field.

Construction
Pin and socket contacts.

Electrical
Rated for use on 20A branch circuits.

All conductors are 12AWG branch circuits.

All components provide a fully-rated 12AWG grounding conductor.

System Features
Male/female design allows removal of a device without additional components.

Kit includes 14 starter units for System 820 and OnePass®.

Kit includes up to 21 starter units for Quick-Flex.

Color-coded labels for quick voltage identification.

Additional labeling properly denotes type and position of each conductor.

Each starter provided with 72" wire leads.

Installation
Fits ½" trade size KO (.875" dia.) on the electrical panel.

Listings
UL and CUL Listed.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**. **Example: RPK 120 CD**

Series	Voltage	Output connection
RPK RELOC panel kit	120 120V	CD System 820 circuit distributor ¹ OC OnePass converter ¹ QC Quick-Flex converter ²
	208 208V	
	277 277V	
	347 347V	
	480 480V	

ADDITIONAL INFORMATION For additional product information, visit www.relocwiring.com.

- Notes**
- 1 CD and OC include 14 five-wire starters.
 - 2 QC includes 21 four-wire starters.

Intended Use

An economic alternative to the site-constructed conduit and wire or metal cable (MC) normally used from the panel to a distribution point or between pull boxes. When combined with the distribution box primary (DBP) the RMC is a complete modular solution.

Construction

Fabricated with listed flexible metal conduit (type FMC).
Packaged in Gaylord cartons, on pallets, or on reels.

Electrical

Capacity for 8 AWG-12 AWG hot conductors and 6AWG-12AWG neutral conductors.

All conductors are type THHN rated for 90°C.

Pull tape available.

System Features

RMC provides various levels of modularity that allows the user to order the specific combination of conductors required and install it directly at the site.

Installation

Suitable for use in other environmental air areas used for NEC 300.22 (c).

Listings

Assembly of all UL Listed components.

RMC
RELOC® Mainrun Cable



Example: RMC 200 12/3H 12/1N 12/2G

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Series	Length ¹	Hot conductor properties ²	Neutral conductor properties ³	Ground conductor properties ⁴	Panel end lengths	Distribution box ⁵	Options	Packaging
RMC RELOC mainrun cable	50 - 300 Cable armor in feet	8/_H 8-gauge wire with _ hot conductors	6/_N 6-gauge wire with _ neutral conductors	8/_G 8-gauge wire with _ ground conductors	(blank) 10 ft. A 20 ft. B Custom	(blank) 3' leads C Distribution box primary ⁶ D Pull box	T Pull tape	(blank) Reel P Pallet G Gaylord carton
SSRMC SIMPLY5 RELOC mainrun cable		10/_H 10-gauge wire with _ hot conductors	8/_N 8-gauge wire with _ neutral conductors	10/_G 10-gauge wire with _ ground conductors				
		12/_H 12-gauge wire with _ hot conductors	10/_N 10-gauge wire with _ neutral conductors	12/_G 12-gauge wire with _ ground conductors				
		14/_H 14-gauge wire with _ hot conductors		14/_G 14-gauge wire with _ ground conductors				
		16/_H 16-gauge wire with _ hot conductors	12/_N 12-gauge wire with _ neutral conductors	16/_G 16-gauge wire with _ ground conductors				

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

- 1 Available in 10-foot increments.
- 2 Specify number of hot conductors (1-12) in blank.
- 3 Specify number of neutral conductors (1-6) in blank.
- 4 Specify number of ground conductors (1 or 2) in blank.
- 5 Consult factory for custom requirements.
- 6 See DBP below for configurations when sold as one unit.

PRODUCT INFORMATION

Intended Use

A modular junction box that allows transition from oversized conductors used in the RELOC mainrun cable (RMC) to the RELOC modular wiring system. Available in two sizes, the DBP can be used in an open ceiling, above a hung ceiling, and below a raised floor, including low-profile raised floors.

Construction

Two sizes: 9"x9" (up to six RELOC ports) and 12"x12" (up to 12 RELOC ports).
Low-profile DBP is 1.7" high.

Electrical

Rated for 20A branch circuit use.
Isolated ground and two hots and two neutral wiring available.
All internal wiring uses 12AWG stranded copper THHN (90°C).

System Features

Compatible with RELOC systems 820, Quick-Flex® and OnePass®. The DBP is normally provided with an integrated RMC attached and all ports and conductors labeled to show circuit assignments.
The DBP can be provided without a RMC, allowing the circuits to be field-wired to the DBP using any approved wiring method. Labeled terminal blocks are standard

for field wiring the RMC to the DBP.

Available with up to 12 RELOC ports; up to three circuits per RELOC port.

Installation

Suitable for use in other environmental air areas used for NEC 300.22 (c). Labeled to identify panel and circuit available at each port.

Listings

UL and CUL Listed.

DBP
Distribution Box Primary



Example: DBP 120 4CD

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Series	Voltage	Output connection ¹	Options
DBP Distribution box primary	120 120V	_CD System 820 circuit distributor ^{2,5}	2N Two hots and neutrals
SSDBP SIMPLY5 distribution box primary ^{6,10}	208 208V ⁶	_OC OnePass converter ^{2,5,7}	IGW Isolated ground wire
	220 220V ⁶	_QC Quick-Flex converter ^{3,4,8,9}	PB Pull box ¹¹
	240 240V ⁶	_SSCD SIMPLY5 circuit distributor ¹⁰	LP Low-profile box
	277 277V		
	347 347V		
	480 480V ⁶		

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

- 1 Minimum output ports available is 2. Maximum output ports available is 12. Specify number of ports per box in blank.
- 2 CD and QC - three circuits available for 120V, 277V and 347V. Three phase circuit or two circuits available for 208V, 220V, 240V, and 480V.
- 3 QC - two circuits available for 120V, 277V and 347V.
- 4 QC - not available in 208V, 220V, 240V and 480V.
- 5 CD and QC - 120V, 277V and 347V two circuits available with 2N option only.
- 6 Not available with IGW and 2N options.
- 7 QC - not available with IGW option.
- 8 QC - 120V one circuit available with IGW option.
- 9 QC - 2N option not available.
- 10 SSCD available with SSDBP only.
- 11 Maximum number of output ports available with PB option is 8.

PRODUCT INFORMATION

ONEPASS®

Patented OnePass® Circuit Selected



The OnePass® circuit selector features a unique thumbslide action that allows you to choose the desired hot conductor(s) to energize each fixture in the field. The OCS and non-selectable OCU permit disconnecting the fixture without disrupting the power downstream.

The OCS enables all fixtures to be wired the same way, with the ability to select the appropriate circuit when the fixture is installed. For future changes, simply unplug the OCS and select a different circuit.

Intended Use
The OnePass system offers quick installation of industrial fixtures plus the

flexibility to relocate fixtures in the future. Patented components allow both fixtures and wiring to be installed at the same time or in one pass, significantly reducing labor.

System Features
Pin-and-socket contacts.

Rated for use on 20-amp branch circuits.

Safety keying prevents accidental mating of components of different voltages. Color-coded labels for quick voltage identification.

Each conductor and position is properly identified for easy circuit identification throughout the system.

Circuit selector (OCS) is No. 16AWG rubberized cord

with 105° C thermoplastic insulation, conductors rated at 600V. Starter cable, 2-port (OSC2) and OnePass cable, 2-port (OC2) are 10AWG or 12AWG, MC cable with 90° C thermoplastic insulation and conductors rated at 600V.

Fixture removal may be accomplished without interrupting the branch circuit wiring.

Component design allows removal without additional components. Suitable for make or break under load.

Replaces conventional cord and plug. Uniquely keyed for industrial/open-ceiling applications.

Housing components are constructed of textured, high-impact, polymeric compound (OCS). Patent No. 5,679,016 (OCS).

All unused parts are required to be covered. The RDC3 is the dust cover for the OnePass system. If extra dust covers are needed, they can be ordered separately: RDC3 METAL DUST COVER J50.

Listings
UL Listed to U S and Canadian safety standards.

Caution: This product is not intended for installation in outdoor, damp or humid locations. Please consult with factory for use in any classified areas.

PRODUCT INFORMATION

OC

OnePass® Converter



Intended Use
Provides the interface between hardwiring and the OnePass system at homerun location.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: OC 277 12/4G

Series ³	Voltage	Conductors ¹	Options
OC	120 120V	12/2G Two 12AWG conductors plus one 12AWG ground	2N Two circuit, two neutral ²
	208 208V	12/3G Three 12AWG conductors plus one 12AWG ground	
	240 240V	12/4G Four 12AWG conductors plus one 12AWG ground ²	
	277 277V		
	347 347V		
	480 480V		

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

- Conductors available in 12AWG only. If 10AWG is required, OSC2 must be used.
- 2N options available only in 120, 277, 347 voltages and only with 12/4G conductors.
- Standard wire lead length is 6 inches. Consult factory for longer lengths.

Intended Use

A plug-in connection for open ceiling fixtures. Prewired by fixture manufacturer or field installed by contractor.

OCS

OnePass® Circuit Selector Unit



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: OCS 277 05 WH

Series	Voltage	Length ⁴	Finish
OCS	120 120V ¹	05 5 ft	WH White cord
	208 208V ^{2,3}	10 10 ft	BK Black cord
	240 240V ^{2,3}	15 15 ft	
	277 277V	20 20 ft	
	347 347V	25 25 ft	
	480 480V ^{2,3}		

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

- 120V and 277V two-circuit, two-neutral applications require the OCU to pick up the second hot and neutral.
- For two-circuit 208V, 240V and 480V applications, the OCU TAP34 is required to pick up the 2nd circuit.
- 208V, 240V and 480V OCS uses two selector switches. This allows the selectability to operate the fixture on any combination of phase circuit A, B or C.
- Standard lengths listed. Consult factory for custom requirements.

Intended Use

A polarized, non-circuit, selectable plug-in connection for industrial fixtures. Prewired by fixture manufacturer or field installed by contractor.

OCU

OnePass® Cord Unselectable



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: OCU 277 TAP123 10 WH

Series	Voltage	Tap position ^{3,7}	Length ⁸	Options	Finish
OCU	120 120V ¹	TAP1 One hot; pin position 1	05 5 ft	2N Two circuit, two neutral ^{4,5,6}	WH White cord
	208 208V	TAP2 One hot; pin position 2	10 10 ft		
	240 240V	TAP3 One hot; pin position 3	15 15 ft		
	277 277V ¹	TAP12 Two hots; pin position 1 & 2	20 20 ft		
	347 347V	TAP13 Two hots; pin position 1 & 3	25 25 ft		
	480 480V ²	TAP23 Two hots; pin position 2 & 3			
		TAP34 Two hots; pin position 3 & 4			
		TAP123 Three hots; pin position 1, 2 & 3			

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

- 120V and 277V standard with TAP123 and 10 ft white cord.
- 480V standard with TAP34 and 5 ft white cord.
- Tap position indicates the hot conductor's pin position.
- 2N not available in 208V, 240V, and 480V.
- 2N available in TAP12 and TAP2 positions, 120V and 277V only. The "TAP12_2N" configuration allows for five conductors (two hot conductors, two neutral conductors and a ground). The "TAP2_2N" configuration allows for 3 conductors (One hot conductor in the **second** pin position, one neutral conductor in the **third** pin position).
- Each configuration "TAP12_2N" and "TAP2_2N" requires "12/4G_2N" conductor OnePass® components to complete a two neutral solution.
- Consult factory for complex tap position configurations.
- Standard lengths listed. Consult factory for custom requirements.

PRODUCT INFORMATION

OC2

OnePass® Cable, Two-Port



Intended Use

A splitter and cable extender in one easy-to-use component. Used to bring power to OCS, OCU or an OD in industrial applications, or to split a circuit into two directions.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: OC2 277 12/4G 09

Series	Voltage	Conductors	Length ³	Options	Finish ²
OC2	120 120V	12/2G Two 12AWG conductors plus one 12AWG ground	05 5 ft	2N Two circuit, two neutral ¹	RD Red
	208 208V	12/3G Three 12AWG conductors plus one 12AWG ground	09 9 ft		BK Black
	240 240V	12/4G Four 12AWG conductors plus one 12AWG ground	15 15 ft		WH White
	277 277V	10/2G Two 10AWG conductors plus one 10AWG ground	21 21 ft		BE Beige
	347 347V	10/3G Three 10AWG conductors plus one 10AWG ground	25 25 ft		
	480 480V	10/4G Four 10AWG conductors plus one 10AWG ground	31 31 ft		
			35 35 ft		

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

1. 2N available in 277V and 120V; 12/4G and 10/4G conductors only.
2. Colored cable available. Contact factory for other finishes.
3. Standard lengths listed. Consult factory for custom lengths.

PRODUCT INFORMATION

OSC2

OnePass® Starter Cable, Two-Port



Intended Use

Provides the interface between hardwiring and the OnePass system. A converter and extender in one component. The OSC2 is wired into the homerun junction box and brings power to the OCS, OCS2, OCU or OD.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: OSC2 277 12/4G 09

Series	Voltage ¹	Conductors	Length ⁵	Options	Finish ⁴
OSC2	120 120V ³	12/2G Two 12AWG conductors plus one 12AWG ground	01 1 ft	2N Two circuit, two neutral ³	RD Red
	208 208	12/3G Three 12AWG conductors plus one 12AWG ground	09 9 ft		BK Black
	240 240V	12/4G Four 12AWG conductors plus one 12AWG ground	15 15 ft		WH White
	277 277V ^{2,3}	10/2G Two 10AWG conductors plus one 10AWG ground ²	21 21 ft		BE Beige
	347 347V	10/3G Three 10AWG conductors plus one 10AWG ground ²	25 25 ft		
	480 480V	10/4G Four 10AWG conductors plus one 10AWG ground ²			

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

1. All voltages standard with 12AWG conductors.
2. 277V, 10AWG conductors have the shortest leadtimes. Other voltages with 10AWG conductors require longer leadtimes.
3. 2N available in 277V and 120V; 12/4G and 10/4G conductors only.
4. Color cable available. Contact factory for other finishes.
5. Standard lengths listed. Consult factory for custom lengths.

Intended Use

Allows miscellaneous devices (exits, emergency units, etc.) to become part of the OnePass system to be field installed by contractor. Also a plug-in connection for industrial fixtures that can be prewired by fixture manufacturer or field installed by contractor.

OD

OnePass® Drop Cable



Example: OD 277 12/2G 15

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Series	Voltage	Conductors ¹	Length ⁴	Options	Finish ³
OD	120 120V	12/2G Two 12AWG conductors plus one 12AWG ground	01 1 ft 20 20 ft	2N Two circuit, two neutral ²	RD Red
	208 208V	12/3G Three 12AWG conductors plus one 12AWG ground	05 5 ft 25 25 ft		BK Black
	277 277V	12/4G Four 12AWG conductors plus one 12AWG ground	10 10 ft 30 30 ft		WH White
	240 240V				BE Beige
	347 347V				
	480 480V				

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

1. Conductors available in 12AWG only. 12AWG will plug into 10AWG product.
2. 2N available in 277V and 120V; 12/4G conductors only.
3. Colored cable available. Contact factory for other finishes.
4. Standard lengths listed. Consult factory for custom lengths.

Intended Use

Splits a branch circuit into two directions. Male/female component that can be used anywhere in the OnePass system.

OSS

OnePass® Splitter Splice



Example: OSS 277 12/4G

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Series	Voltage	Conductors ¹
OSS	120 120V	12/4G Four 12AWG conductors plus one 12AWG ground
	208 208V	
	240 240V	
	277 277V	
	347 347V	
	480 480V	

ADDITIONAL INFORMATION

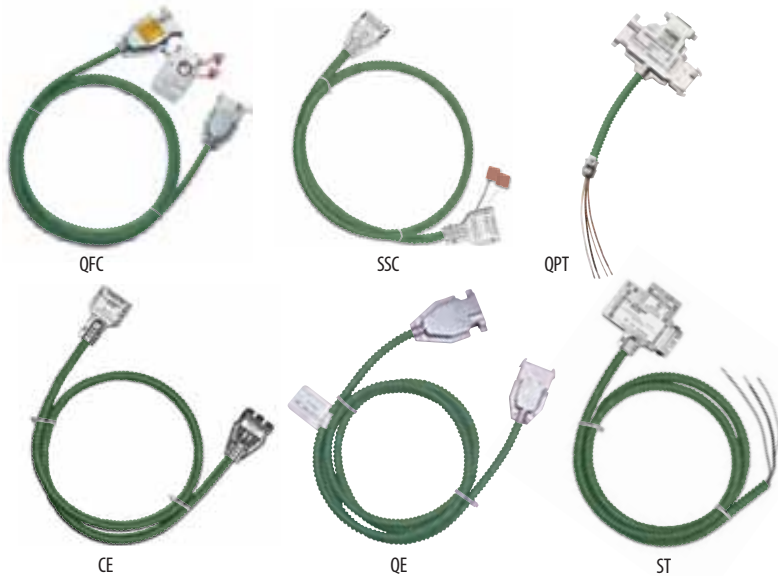
For additional product information, visit www.relocwiring.com.

Notes

1. Conductors available in 12/4G only. 12AWG will plug into 10AWG product.

HCF

for Healthcare Facilities



Intended Use

With HCF, you can extend the RELOC® savings you have enjoyed in schools, offices, warehouses, manufacturing and retail into your health-care installations.

For use in hospitals, nursing homes, limited care facilities, clinics, medical and dental offices and ambulatory care centers.

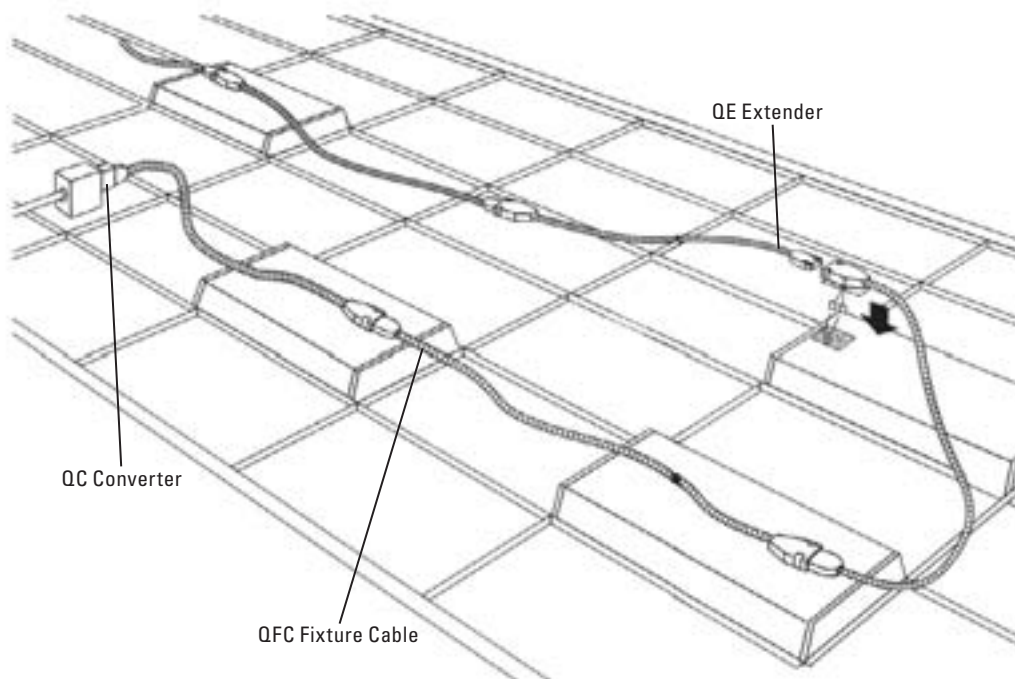
Features

Redundant ground paths for patient care areas in health-care facilities per NEC 517.13 (A) & (B). Green ground wiring for connection to the fixture is standard with HCF. Easy-to-identify lightweight green armor.

ORDERING INFORMATION Ordering is easy. Simply add HCF to the end of existing RELOC model numbers.

SYSTEM/APPLICATION	STANDARD PRODUCTS	FOR HEALTHCARE
Quick-Flex® - 4 conductors with fixture ground wire	QFC277 12/3G13G	QFC277 12/3G13G HCF
820 System - 5 conductors with fixture ground wire	SSC 120 F 11G	SSC 120 F 11G HCF
SIMPLY5™	S5SSC 277 15	S5SSC 277 15G HCF

ADDITIONAL INFORMATION For additional product information, visit www.relocwiring.com.



PRODUCT INFORMATION

Intended Use

The Quick-Flex system costs less than other wiring methods for commercial lighting in healthcare facilities, offices, schools and other accessible ceiling applications. Quick-Flex systems are simple and utilize components that snap together in a fraction of the time required for MC cable or other traditional wiring methods.

System Features

Pin-and-socket contacts. Rated for use on 20-amp branch circuits.

All conductors are No. 12 AWG copper with 90°C ther-

moplastic insulation rated at 600 volts.

Component provides a fully rated No. 12 AWG grounding conductor.

Fixture leads are No. 18 AWG solid copper rated at 105° C with pushnut connectors for easy connection to ballast leads; wirenuts not required.

Lithonia access plate is included with the QFC and QSFC cables. The access plate can be snapped into place or discarded if not required. UL Listed auto grounding feature eliminates the need for ground wire connection on each fixture.

Safety keying prevents accidental mating of components of different voltages and reverse polarity. Color-coded labels for quick voltage identification. Suitable for make or break under load.

Autolatching springs for easy male/female connections.

Quick-Flex is manufactured from listed MC cable.

Factory-Installed Combo Options

The Quick-Flex fixture cable (QFC) can be prewired to the fixture in the factory. Both the fixture and Quick-Flex cable are shipped together. This reduces the amount of time spent sorting materials

at the job site. It also cuts on-site disposal costs. This option is ideal for jobs with 100 or more fixtures of the same type, using the same Quick-Flex fixture cable. Dust covers are not included with the fluorescent combo option. If the extra dust covers are needed, they must be ordered separately: QUICK FLEX DUST COVER J50.

Listings

UL Listed to US and Canadian safety standards.

Caution: This product is not intended for installation in outdoor, damp or humid locations. Please consult with factory for use in any classified areas.

QUICK-FLEX®



Quick-Flex

PRODUCT INFORMATION

Intended Use

Female converter provides the interface between hardwiring and Quick-Flex at the homerun location. Conventional wiring methods bring power from the panel to the homerun location or above a switch location where the QC is installed.

QC

Quick-Flex® Converter



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: QC277 12/3G

Series/Voltage		Conductors/Length ²		Options
Series	Voltage	Conductors	Length²	HCF Meets healthcare facility requirements ¹
QC	120 120V	12/2G Two 12AWG conductors plus one 12AWG ground	(blank) 6" wire leads	
	277 277V	12/3G Three 12AWG conductors plus one 12AWG ground	05 5 ft	
	347 347V		09 9 ft 15 15 ft	

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

- 1 HCF option not required if length selection is blank.
- 2 Standard lengths listed. Consult factory for custom lengths.

PRODUCT INFORMATION

QFC

Quick-Flex® Fixture Cable



Intended Use
Male/female cable that provides power from fixture to fixture in the Quick-Flex system. Access plate is included (standard) with the QFC to provide quick and easy fixture installation.

System Features
A Lithonia access plate is included and is snapped into place or easily discarded if not required. No fixture ground lead to connect. UL listed auto-grounding feature eliminates the need

for ground wire connection on each fixture. An optional ground lead is available. It is used only when required by local codes. The ground lead option must be specified for Canada and when used in healthcare facilities.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: QFC277 12/3G11 G HCF

Series/Voltage		Conductors/Length ⁴		Options
Series	Voltage	Conductors	Length⁴	G 18AWG ground lead dropped to fixture ²
QFC	120 120V	12/2G Two 12 AWG conductors plus one 12AWG ground	05 5 ft	HCF Meets healthcare facility requirements ³
	277 277V	12/3G Three 12 AWG conductors plus one 12AWG ground	07 7 ft	
	347 347V		09 9 ft	
			11 11 ft	
			13 13 ft	
			15 15 ft	

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

COMBO FACTORY WIRING INSTRUCTIONS⁵

WIRING INSTRUCTION INDICATOR	WIRING DESCRIPTION
A	All normal ballast(s) wired to hot 1.
B	All normal ballast(s) wired to hot 2 (12/3G cable only).
AB	All normal ballast(s) wired to hot 1 and hot 2 (12/3G cable only).
AE	All normal ballast(s) connect to hot 1; EL inverter connects to hot 2 (12/3G cable only).

Notes

- 1 UL Listed for auto ground. Use G option only when required by local codes.
- 2 G option required for Canada.
- 3 G option required when ordering HFC.
- 4 Standard lengths listed. Consult factory for custom lengths.
- 5 See page 91 for more wiring options.

PRODUCT INFORMATION

QSFC

Quick-Flex® Starter Fixture Cable



Intended Use
Combination of converter (QC) and fixture cable (QFC). Wires directly into homerun junction box, switch box or junction box above switch location; provides power to the first fixture from that location.

System Features
A Lithonia access plate is included and is snapped into place or easily discarded if not required. No fixture ground lead to connect. UL listed auto-grounding feature eliminates the need for ground wire connection

on each fixture. An optional ground lead is available. It is used only when required by local codes. The ground lead option must be specified for Canada and when used in healthcare facilities.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: QSFC277 12/3G15 G HCF

Series/Voltage		Conductors/Length ⁴		Options
Series	Voltage	Conductors	Length⁴	G 18 AWG ground lead dropped to fixture ^{1,2}
QSFC	120 120V	12/2G Two 12AWG conductors plus one 12AWG ground	09 9 ft	HCF Meets healthcare facility requirements ³
	277 277V	12/3G Three 12AWG conductors plus one 12AWG ground	11 11 ft	
	347 347V		13 13 ft	
			15 15 ft	

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

- 1 UL Listed for auto ground. Use G option only when required by local codes.
- 2 G option required for Canada.
- 3 G option required when ordering HFC.
- 4 Standard lengths listed. Consult factory for custom lengths.

Intended Use

Located above the primary switch location to introduce local switching to the Quick-Flex system. Provides local switched power for fixtures and the ability to carry on unswitched power to the next location through the use of a Quick-Flex Extender (QE).

System Features

1LEVEL/N includes a neutral wire that is required for single-level dimming devices.

QSD
Quick-Flex® Switch Drop



Example: QSD277 2LEVEL09

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Series/Voltage		Conductors/Length ²		Options
Series	Voltage	Conductors	Length ²	
QSD	120 120V	1LEVEL Two 12 AWG conductors plus 12AWG ground	01 1 ft	HCF Meets healthcare facility requirements ¹
	277 277V	2LEVEL Four 12 AWG conductors plus 12AWG ground	09 9 ft	
	347 347V	1LEVEL/N Two 12 AWG conductors plus 12AWG ground and 12 AWG neutral	07 7 ft 13 13 ft 15 15 ft	

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

- 1 HCF is available with 2LEVEL and 1LEVEL/N conductors only.
- 2 Standard lengths listed. Consult factory for custom lengths.

Intended Use

Male/female cable that provides additional length anywhere within the Quick-Flex system.

QE
Quick-Flex® Extender



Example: QE277 12/3G15



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Series/Voltage		Conductors/Length ¹		Options
Series	Voltage	Conductors	Length ¹	
QE	120 120V	12/2G Two 12 AWG conductors plus one 12AWG ground	05 5 ft	HCF Meets healthcare facility requirements
	277 277V	12/3G Three 12 AWG conductors plus one 12 AWG ground	09 9 ft 11 11 ft 15 15 ft 21 21 ft 25 25 ft	
	347 347V			

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

- 1 Standard lengths listed. Consult factory for custom lengths.

PRODUCT INFORMATION

QPT

Quick-Flex® Power Tee



Intended Use
Carries power with the use of the Quick-Flex extender (QE). Ideal for powering downlighting, under-floor systems, track light feeds, exit signs, unit equipment

and power receptacles. Can be used in place of two existing products, the Quick-Flex splitter (QS) and drop (QD).

For shortest lead times, configure products using **bolded options**.

Example: QPT277 12/3G01

ORDERING INFORMATION

Series/Voltage		Conductors/Length ¹		Options
Series	Voltage	Conductors	Length¹	HCF Meets healthcare facility requirements
QPT ²	120 120V	12/2G Two 12AWG conductors plus one 12AWG ground ¹	01 1 ft	
	277 277V	12/3G Three 12AWG conductors plus one 12AWG ground	03 3 ft	
	347 347V		05 5 ft	
			09 9 ft	
			15 15 ft	
			19 19 ft	

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

- 1 Standard lengths listed. Consult factory for custom lengths.
- 2 Top portion not used on standard product.

PRODUCT INFORMATION

QD

Quick-Flex® Drop Cable



Intended Use
Male drop cable allows miscellaneous devices (i.e. exits or power availability) to become part of the Quick-Flex system.

For shortest lead times, configure products using **bolded options**.

Example: QD277 12/3G09

ORDERING INFORMATION

Series/Voltage		Conductors/Length ¹		Options
Series	Voltage	Conductors	Length¹	HCF Meets healthcare facility requirements
QD	120 120V	12/2G Two 12AWG conductors plus one 12AWG ground	01 1 ft	
	277 277V	12/3G Three 12AWG conductors plus one 12AWG ground	03 3 ft	
	347 347V		05 5 ft	
			09 9 ft	
			15 15 ft	

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

- 1 Standard lengths listed. Consult factory for custom lengths.

PRODUCT INFORMATION

QS

Quick-Flex® Splitter



Intended Use
A male/female component that can be used anywhere throughout the Quick-Flex system to separate the branch circuit into two directions.

For shortest lead times, configure products using **bolded options**.

Example: QS277 12/3G

ORDERING INFORMATION

Series/Voltage		Conductors	
Series	Voltage	12/3G	Three 12AWG conductors plus one 12AWG ground
QS	120 120V		
	277 277V		
	347 347V		

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.



820



PRODUCT INFORMATION

Intended Use

Five-wire system accommodates applications requiring three circuits with a common neutral; or two circuit and two neutrals; or two circuits, one neutral and an isolated ground.

System Features

Rated for use on 20-amp branch circuits. Pin-and-socket contacts.

All conductors are No. 12 AWG copper with 90°C thermoplastic insulation rated at 600 volts.

Safety keying prevents accidental mating of components for different voltages and reverse polarity.

Color-coded labels for quick voltage identification.

All conductors are clearly identified on the product to simplify the installation.

All components provide a fully rated No. 12 AWG grounding conductor.

Isolated ground conductor option available.

Installs through standard 1" trade-size knockout.

6" of exposed leads, pre-stripped for easy wiring.

Duplexes supported for new construction and modular cabinets. Single and double duplexes are available.

Standard and clean power (isolated ground) are available with certain components.

All unused ports are required to be covered. The RDC3 is the dust cover for the specialty lighting and power system.

If extra dust covers are needed, they are to be ordered separately: RDC3 METAL DUST COVER J50.

Listings

UL Listed. CSA Certified.

Caution: This product is not intended for installation in outdoor, damp or humid locations. Please consult with factory for use in any classified areas.

PRODUCT INFORMATION

CD

Circuit Distributor

Intended Use

Provides interface between hardwiring and the RELOC 820 system. Conventional wiring methods bring power from panel to home run location, where CD is installed.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: CD 120 F 2N

Series	Voltage	Conductors	Length ⁵	Options
CD	120 120V	D Three	(blank) 6" wire leads	2N Two circuit, two neutral ¹
	208 208V	E Four	05 5 ft	CSA Meets Canadian standards ²
	240 240V	F Five	09 9 ft	IGW Isolated ground wire ³
	277 277V		15 15 ft	HCF Meets healthcare facility requirements ⁴
	480 480V			

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

- 1 2N available with 120V, 277V and F conductor only.
- 2 CSA option required for Canada.
- 3 IGW available with 120V and D and F conductors only.
- 4 HCF option required if selection is blank.
- 5 Standard lengths listed. Consult factory for custom.

SSC

Standard Selector Cable



Intended Use

Male/female cable that provides power from fixture to fixture. The SSC attaches directly into the access plate or through 1/2 -inch trade-size knockout.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: SSC 120 F U 11 G

Series	Voltage	Conductors	Factory keying	Length ⁴	Options
SSC	120 120V	D Three	U	05 5 ft	2N Two circuit, two neutral ¹ HCF Meets healthcare facility requirements G Ground wire ^{2,3} CSA Meets Canadian standards
	277 277V	E Four		07 7 ft	
	347 347V	F Five		09 9 ft	
				11 11 ft	
				13 13 ft	
			15 15 ft		

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

- 1 Available with F conductor only.
- 2 G option must be included with HCF option.
- 3 G option required for use in Canada.
- 4 Standard lengths listed. Consult factory for custom lengths.

CE

Cable Extender



Intended Use

Male/female cable that provides additional length anywhere throughout the 820 system.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: CE 277 F U 11

Series	Voltage	Conductors	Factory keying	Length ⁴	Options
CE	120 120V	D Three	U	05 5 ft	19 19 ft 21 21 ft 25 25 ft 31 31 ft 35 35 ft
	208 208V	E Four			
	240 240V	F Five			
	277 277V				
	347 347V				
	480 480V				

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

- 1 Available with F conductor only.
- 2 CSA option required for Canada.
- 3 IGW available with 120V, E and F conductors only.
- 4 Standard lengths listed. Consult factory for custom lengths.

Intended Use

Used to split branch circuit into two directions in commercial or power applications.

SS

Splitter Splice



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: SS 277 F U

Series	Voltage	Conductors	Factory keying	Options
SS	120 120V	F Five	U	CSA Meets Canadian standards ¹ IGW Isolated ground wire ²
	208 208V			
	240 240V			
	277 277V			
	347 347V			
	480 480V			

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

- 1 CSA option required for Canada.
- 2 IGW available with 120V only.

Intended Use

Introduces local switching to the 820 system. Located above primary switch location; provides local switched power and unswitched power to be used as needed.

ST

Switching Tee



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: ST 277 D1 P U 08

Series	Voltage	Conductors/Switching function	Drop type	Factory keying	Length ⁴	Options
ST	120 120V	Conductors	P Protected	U	01 1 ft 06 6 ft 08 8 ft 09 9 ft 15 15 ft	N One neutral wire provided in drop ¹ CSA Meets Canadian standards ² HCF Meets healthcare facility requirements ³
	277 277V	Switching function				
	347 347V	D Three 1 One-level E Four 2 Two-level				

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

- 1 Neutral available with D conductor only.
- 2 CSA option required for Canada.
- 3 HCF available with E2 conductor only.
- 4 Standard lengths listed. Consult factory for custom lengths.

PT

Power Tee



Intended Use
A through-wired component that makes it possible to select which branch circuit conductor feeds a specific device. Also provides power to devices used on convenience power, access floor systems and commercial lighting.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: PT 120 F1 A 09 IGW

Series	Voltage	Conductors/Tap position	Drop type	Length ⁵	Options														
PT	120 120V	F Five <table border="0"> <tr><td>1</td><td>One hot; pin position 1</td></tr> <tr><td>2</td><td>One hot; pin position 2</td></tr> <tr><td>3</td><td>One hot; pin position 3</td></tr> <tr><td>12</td><td>Two hots; pin position 1 and 2</td></tr> <tr><td>13</td><td>Two hots; pin position 1 and 3</td></tr> <tr><td>23</td><td>Two hots; pin position 2 and 3</td></tr> <tr><td>123</td><td>Three hots; pin position 1, 2 and 3</td></tr> </table>	1	One hot; pin position 1	2	One hot; pin position 2	3	One hot; pin position 3	12	Two hots; pin position 1 and 2	13	Two hots; pin position 1 and 3	23	Two hots; pin position 2 and 3	123	Three hots; pin position 1, 2 and 3	A Armored	01 1 ft	2N Two circuit, two neutral ^{1,2} HCF Meets healthcare facility requirements ¹ CSA Meets Canadian standards ³ IGW Isolated ground wire ⁴
	1		One hot; pin position 1																
	2		One hot; pin position 2																
	3		One hot; pin position 3																
	12		Two hots; pin position 1 and 2																
	13		Two hots; pin position 1 and 3																
	23		Two hots; pin position 2 and 3																
	123		Three hots; pin position 1, 2 and 3																
	277 277V		03 3 ft																
	347 347V		05 5 ft																
	07 7 ft																		
	09 9 ft																		
	11 11 ft																		
	13 13 ft																		
	15 15 ft																		

ADDITIONAL INFORMATION For additional product information, visit www.relocwiring.com.

Notes

- 1 Available with F conductor only.
- 2 2N option available with tap positions 2 and 112.
- 3 CSA option required for Canada.
- 4 IGW available with 120V only.
- 5 Standard lengths listed. Consult factory for custom lengths.

DC

Drop Cable



Intended Use
Provides integration of other electrical devices into the 820 system, such as power outlets. Conventional pipe and wiring not required to convey wiring.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: DC 120 F U 05 2N

Series	Voltage	Conductors	Factory keying	Length ⁴	Options
DC	120 120V	D Three	U	05 5 ft	2N Two circuit, two neutral ¹ HCF Meets healthcare facility requirements ¹ CSA Meets Canadian standards ² IGW Isolated ground wire ³
	208 208V	E Four		07 7 ft	
	240 240V	F Five		09 9 ft	
	277 277V			11 11 ft	
	347 347V			13 13 ft	
	480 480V			15 15 ft	

ADDITIONAL INFORMATION For additional product information, visit www.relocwiring.com.

Notes

- 1 Available with F conductor only.
- 2 CSA option required for Canada.
- 3 IGW available with 120V, E and F conductor only.
- 4 Standard lengths listed. Consult factory for custom lengths.

Intended Use

Provides wiring of any device through a 1/2" trade size knockout. The CSU uses No.12 AWG leads that allow for full circuit access.

CSU

Circuit Selector Unit



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: CSU 120 F U 2N

Series	Voltage	Conductors	Factory keying	Options
CSU	120 120V	F Five	U	2N Two circuit, two neutral
	277 277V			CSA Meets Canadian standards ¹
	347 347V			IGW Isolated ground wire ²

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

1. CSA option required for Canada.
2. IGW available with 120V only.

Intended Use

Ideal for retrofit projects that use the RCA (RELOC cord assembly). Existing and new 820 system components are used with the RRCA.

RRCA

Replacement RELOC® Cord Assembly



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult your sales representative.

Example: RRCA 277 F123 05 WH

Series	Voltage	Tap position ¹	Length ⁵	Finish
RRCA	120 120V	F123 1, 2 and 3 ²	05 5 ft	WH White cord
	208 208V	F1234 1, 2, 3 and 4 ³	10 10 ft	
	240 240V		15 15 ft	
	277 277V			
	480 480V			

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

1. 16/4G cord standard.
2. Available with 120V and 277V only.
3. Available with 208V, 240V or 480V only.
4. Consult factory for two-circuit, two-neutral options for 120V and 277V.
5. Standard lengths listed. Consult factory for custom lengths.

POWER POLES

RELOC's extensive power pole line offers an economical means to bring power and data cables down from the ceiling to utilization equipment. Cables are routed in the ceiling and dropped down to work stations, cash registers, racks and gondolas. Power poles are ideal for applications in office buildings, data centers and retail stores.

In today's fast-paced construction market, staying on schedule is tougher than ever. Projects demand wiring solutions that minimize installation time and easily adapt to store design changes that occur during initial store construction and in the future.



PP Power Pole



Intended Use
Brings power and data cables down from the ceiling to utilization equipment. Typically, cables are routed in the ceiling and dropped down to work stations, cash registers, partitions, racks and gondolas. Power poles are ideal for applications in office buildings, data centers and retail stores.

Electrical
A wide selection of 120V, 208V and 240V devices available.

Pre-wired with RELOC® power cables for quick and easy installation.

Spec-grade 20 amp duplexes are standard; other devices available.

Data compartment has 3" arched opening at the bottom.

System Features
Pass-through and wired versions available. Available with switch to control signage in a retail environment. Switch can be wired for on/off/flash or on/off functions.

Installation
Suitable for installation on floor, within check-out stands, counter tops, gondolas and racks. Arm option allows height adjustability from 84

inches to 120 inches (in addition to the length of the pole). Foot bracket, T-Bar mounting and ceiling trim all available.

Listings
UL Listed.

CSA Certified.

Example: PP2 LI26 A SAT

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult your sales representative.

Series/ Number of channels ^{1,8}		Length ²		Arms ³		Input cabling		Device configuration ^{5,6}		Device color		Finish		Options
Series⁸	Number of channels¹	L126	10.5 ft	(blank)	No arm	(blank)	RELOC	A	1 duplex, 1 connection	(blank)	White	(blank)	Ivory	See page 510 for accessories.
PP Power pole	1_ One	L150	12.5 ft	ADJ84	7 ft adjustable arm	HW	Hardwired ⁴	B	2 duplex, 1 connection	BN	Brown	SAT	Satin anodized	
	2_ Two	L186	15.5 ft	ADJ120	10 ft adjustable arm			C	3 duplex, 1 connection	IV	Ivory	SIL	Silver	
	3_ Three							D	4 duplex, 1 connection	GY	Gray	BLK	Black	
								E	2 IGW duplex, 1 connection	BK	Black	C3W	Appliance white	
								F	1 duplex & 1 IGW duplex, 2 connections ⁷					
								G	2 duplex & 2 IGW duplex, 2 connections ⁷					

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Table A

RELOC CONNECTION DEVICE AND INPUT CABLING CONFIGURATION CHART				
DEVICE CONFIGURATION SELECTION	INPUT CABLING TYPE	NUMBER OF DEVICES RECEPTACLES		CIRCUITS AVAILABLE PER DEVICE
Select device and input cabling for 1 connection				
A	DC or HW	1 duplex		1
B	DC or HW	2 duplex		1
C	DC or HW	3 duplex		1
D	DC or HW	4 duplex		1
E	DC (IGW) or HW	2 duplex (IGW)		1 (IGW)
Select device and input cabling for 2 connections				
F	DC DC (IGW) or HW	1 duplex	1 duplex (IGW)	1 1 (IGW)
G	DC (IGW) DC (IGW) or HW	2 duplex	2 duplex (IGW)	1 1 (IGW)

Notes

- 20A duplex receptacles are standard.
- 120V is the standard voltage.
- 1 ft system 820 drop cable (DC) standard.
- (IGW) isolated ground wire.
- If HW, DC will not be supplied.
- Consult factory for other current or voltage and other system integration requirements.

Table B

POWER POLE CHANNEL CONFIGURATION

Number of Channels	Channel Configuration			
	Blank	A	B	C
1				
2				
3				

Notes

- Select desired channel configuration and add to your PP description (A, B or C).
- If standard configurations are ordered, letter indicator is not needed.

Notes

- 1 Refer to Table B for Channel Configuration indicator. Place indicator in the space provided under the Number of Channels. Leave blank if a standard channel configuration is required.
- 2 Length selection is ordered in inches.
- 3 If adjustable arm is ordered, 18 additional inches remain inside the channel for strength and rigidity of the pole.
- 4 Eight-inch wire leads provided with HW option.
- 5 Number of leads provided with HW option determined by device configuration.
- 6 Device configuration required for both RELOC and HW option. Refer to Table A.
- 7 Device configuration for F and G, select device color for non-isolated ground duplex. Orange is the standard device color for all (IGW) options.
- 8 Contact factory for poles that require signs and switches.

PRODUCT INFORMATION

ACCESSORIES

for Power Pole

Not included with power poles, but can be ordered separately. Select the desired KIT or ordered accessories by component.



ORDERING INFORMATION Ordering is easy. Simply add HCF to the end of existing RELOC model numbers.

ACCESSORY KIT ORDERING INFORMATION		ACCESSORY COMPONENT ORDERING INFORMATION
PP2/3 KIT 1 WH	PP2/3 KIT 2 WH	
One mounting bracket	One T-bar bracket	T-Bar bracket: PP 1/2/3 TB
One ceiling trim	One mounting bracket	Mounting bracket: PP 1/2/3 MB
One foot bracket	One ceiling trim	Ceiling trim: PP 2/3 CT WH
	One foot bracket	Foot bracket: PP 2/3 FB WH

ADDITIONAL INFORMATION For additional product information, visit www.relocwiring.com.

(A) T-Bar bracket:

Bracket fits a 2-foot spacing in grid ceiling if the pole is installed in the middle of a ceiling.

(B) Mounting bracket:

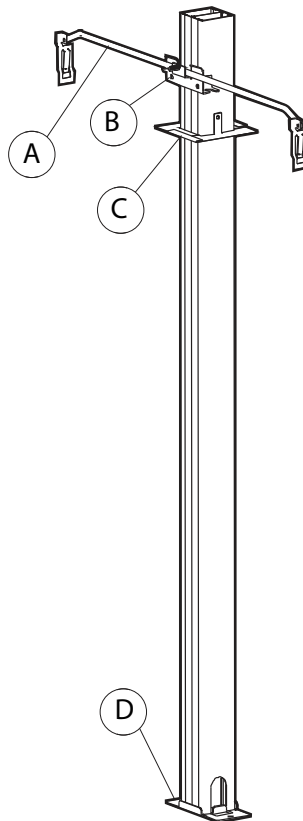
Stamped 16-gauge steel, galvanized. Required for mounting power poles in a grid ceiling.

(C) Ceiling trim:

Stamped 24-gauge steel, painted white, fits all RELOC PP2 and PP3 power poles. The trim provides a clean appearance after the pole is installed in a grid ceiling.

(D) Foot bracket:

Stamped 14-gauge steel, painted white, fits all RELOC PP2 and PP3 power poles and secures the pole to a flat surface.



Intended Use

The power pole base (PPB) is normally used with a power pole (PP). The PPB offers an economical means to bring power and data cables down from the ceiling to simplify the power pole in high density power applications.

Construction

Two or four steel channels forming a four-sided enclosure for power and data distribution.

16-gauge sheet metal, normally galvanized, available painted in black or white.

Electrical

A wide selection of 120V, 208V, and 240V devices available.

Pre-wired with RELOC power cables for quick and easy installation.

A wide selection of 15A, 20A, 30A and 50A devices are available.

30A and 50A devices are not available with RELOC connectors.

Installation

Suitable for installation on floor, within check-out stands, counter tops, gondolas and racks.

Devices may be installed on any or all four sides.

Listings

ETL-Listed for US and Canada. Warranty: One year from the date of purchase.

PPB
Power Pole Base



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult your sales representative.

Example: PPB2 B L36 A1B2C2D1 ABB5CB5D

Series/Type	Housing ¹	Height	Voltage	Pattern ^{2,3}	Device configuration ^{4,8}	Input cabling ^{6,8}	Finish
Series	Type	A 3" square	L12 1 ft	(blank) 120V	A _	A _	(blank) Galvanized
PPB Power pole base	2 U channel 4 Independent channel	B 4" square	L24 2 ft	208 208V	B _	B _	WH White
		C 6" square	L36 3 ft	240 240V	C _	C _	BK Black
		D 8" square	L48 4 ft	X Mixed voltages	D _	D _	
		E 4" X 8"	L60 5 ft				
		F 3" X 6"	L72 6 ft				
				L84 7 ft			
		L96 8 ft					

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Table A

PATTERN					
1	2	3	4	5	6
	□		□		□
	○	○			○
	○	○			○
	○	○	○	○	○
	○	○	○	○	○

Table B

DEVICE CONFIGURATION			
INDICATOR	DEVICE	INDICATOR	DEVICE COLOR
A	15 amp straight blade	1	White
B	20 amp straight blade	2	Brown
C	15 amp IGW straight blade ⁶	3	Ivory
D	20 amp IGW straight blade ⁶	4	Gray
E	30 amp straight blade ⁷	5	Black
F	50 amp straight blade ⁷	6	Orange (IGW only) ¹
G	15 amp twist lock		
H	20 amp twist lock		
J	30a twist lock ⁷		
K	50A twist lock ⁷		
L	15 amp IGW twist lock		
M	20 amp IGW twist lock		
X	Mixed		

Notes

1. Consult factory for other housing heights.
2. Data configures are provided with a cutout and cover plate only.
3. Select the type and place in the space provided. See Table A.
4. Select the type and color and place in the space provided. See Table B.
5. If the input cabling is RELOC, a 1 ft drop cable (DC) is standard.
6. If device configuration is IGW, two input cables are supplied.
7. If HW, wagos (push-in connectors) and 8" leads are supplied.
8. Input cabling not available with 30A and 50A device configurations.

RETAIL ENVIRONMENTS



Retail projects demand wiring solutions that minimize installation time and easily adapt to store design changes that occur during initial store construction and in the future. With a recently expanded product line, RELOC now offers a comprehensive, plug-n-play wiring solution from the breaker panel out to the lighting fixture and power receptacle.

- Intended Use**
Ideal applications for RELOC power products include:
- Rack
 - Lighting
 - Front-End
 - Gondola/Kiosk
 - Bakery/Refrigeration
 - Copy Center/Photo Lab
 - TV/Electronic
 - Back to the Panel

- System Features**
Power channel used on pegboards, uplights and gondolas.

Normal and isolated ground power.

MOA max 8-gang boxes.

RS max 12 receptacles.

Product information

PPC Power Pole Channel



Intended Use
Designed to deliver power and data to equipment in gondolas and electronic racks.

Electrical
Configurable for normal and isolated ground devices.

Audio and video signal cables.

20A duplex receptacles are standard.

System Features
Pre-wired with RELOC power cables for quick and easy installation.

Two separate compartments for power and data.

Available with audio/video amplifiers for television display areas.

Listings
UL and CUL Listed.

Warranty: One year from the date of purchase.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult your sales representative.

Example: PPC1P PT103 S WH

Series/Number of channels		Voltage	Length	Input connection/Input connection length	
Series	Number of channels	(blank) 120V	(blank) 48"	Input connection²	Input connection length
PPC Power pole channel	1P Power	240 240V	36 36"	PT_ Power tee ¹	(blank) No length
	1D Data	250 250V		CSU_ Circuit selector unit ^{1,3}	01 1 ft
	1A Audio visual			DC_ Drop cable	03 3 ft
	2PD Power and data				05 5 ft
	2PA Power and audio visual				09 9 ft
	3PDA Power, data and audio visual				15 15 ft
Output connection/Output connection length		Mounting	Finish	Options	
Output connection	Output connection length	D Gondola double	WH White	IGW One isolated ground wire cable	
(blank) Wire leads 8"	(blank) No length	S Gondola single	GY Gray	DIGW One isolated ground wire cable and one normal cable ⁵	
CD System 820 circuit distributor ⁴	01 1 ft	U Upright	BK Black		
	03 3 ft				
	05 5 ft				
	09 9 ft				
	15 15 ft				

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

- 1 No output cable required.
- 2 Specify the desired circuit (1,2,3) in any combination and place in the space provided. (1 = circuit #1, 2 = circuit #2, 3 = circuit #3, 12 = circuits #1 and #2, etc.)

- 3 CSU has no length.
- 4 Does not always require output connection length.
- 5 If DIGW option is selected, both of the input and output requirements will be the same.

Intended Use
Ideal for horizontal or vertical applications in gondolas, racks and customer-care areas in retail, commercial and industrial facilities.

Metal housing.

Electrical
120V multi-outlet AC power distribution for 15A and 20A circuits.

System Features
RS max 12 receptacles.
Pre-wired with RELOC devices.
Available with a cord and plug or stripped wires for hardwiring.

Mounts through housing supports; installation on a variety of flat surfaces.

Listings
UL-approved.

Warranty: One year from the date of purchase.

Construction
Enclosure dimensions are 1.2 x 1.75 x length.

15A receptacle standard.
Frequency compatibility 50/60Hz.

Installation
Integrate mounting tabs.

RS

Receptacle Strip



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: 12RS L48 PT105 CD BK

Number of single receptacles/Series		Length	Voltage ²	Input connection/Input connection length		Output connection	Finish	Option
Number of single receptacles	Series¹			Input connection^{3,4,5}	Input connection length	CD System 820 circuit distributor ⁸	BK Black WH White GY Gray	IGW Isolated ground wire
2	RS Receptacle strip	L12 1 ft	(blank) 120V	DC_ Drop cable ⁶	(blank) No length			
3		L24 2 ft	240 240V	PT_ Power tee ⁶	01 1 ft			
4		L36 3 ft	250 250V	CSU_ Circuit selector unit ⁷	03 3 ft			
5		L48 4 ft		CP12_ 12AWG cord and plug	05 5 ft			
6		L60 5 ft		CP14_ 14AWG cord and plug	09 9 ft			
7		L72 6 ft			15 15 ft			
8		L84 7 ft						
9		L96 8 ft						
10								
11								
12								

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

- 15 amp black receptacles are standard.
- Contact factory for other voltage options.
- Specify the desired circuit (1,2,3) in and combination and place in the space provided. (1 = circuit #1, 2 = circuit #2, 3 = circuit #3, 12 = circuits #1 and #2, etc.)
- All Input connections supplied with 5 conductors standard.

- Input connection not required if cord and plug output connection is selected.
- Armoured cable standard for input connections that require length (PT and DC).
- CSU has no length; leave blank when ordering.
- Output connection cord color standard is black.

PRODUCT INFORMATION

Intended Use
Prewired power receptacle outlet box that integrates with a RELOC system. Can be used to manage phase loading on power receptacle applications

Electrical
Rated for use with 20A branch circuits.
All conductors are 12AWG.
All components provide a fully-related 12AWG grounding conductor.

System Features
MOA max 8-gang boxes.
Male/female design allows removal of a device without additional components.
Color-coded labels for quick voltage identification.
Additional labeling properly denotes type and position of each conductor.

Installation
Box supplied with standard mounting straps.
Custom mounting brackets available.

Listings
UL and CUL Listed.

Construction
Pin and socket contacts.

Supplied with 20A specification grade receptacles standard.
15A receptacles optional.

MOA

Multi-Outlet Assembly



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult your sales representative.

Example: 2MOA PT1209 20 E

Number of duplexes		Series	Voltage ¹	Input connection/Input connection length		Current rating	Device color	Options
Number of duplexes	Series			Input connection^{2,3}	Input connection length⁴			
2	9	MOA Multit-outlet assembly	(blank) 120V	PT_ Power tee ^{4,5}	(blank) No length	15 15 amps	A White	IGW Isolated ground wire ⁸
3	10			DC_ Drop cable ^{4,5}	01 1 ft	20 20 amps	B Brown	2N Two circuit, two neutral
4	11			CSU_ Circuit selector unit ⁶	03 3 ft		C Ivory	
5	12				05 5 ft		D Gray	
6					09 9 ft		E Black	
7					15 15 ft		F Orange ⁷	
8								

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

- Contact factory for other voltages.
- Input connections supplied with 5 conductors standard.
- Select the desired input connection. Specify the desired circuit(1,2,3) in any combination to supply to MOA and place in the space provided. (1=circuit #1, 2=circuit #2, 3=circuit#3, 12=circuits #1 and #2, etc.)
- Armoured cable standard for input connections that require length (PT & DC).

- If no length is selected for the PT or DC input connection, the armoured cable length will be 6 inches.
- CSU has no length; leave blank when ordering.
- Orange device color is for IGW option only.
- IGW available in 1- or 2-circuit configurations only.

RAISED FLOORS

Intended Use

Raised floors are ideal for power and data distribution in high-rise buildings, data centers and computer labs. The wiring is right below the work stations and can be easily relocated, reconfigured or scaled based on changing needs of the occupants. The system consists of power panel, RELOC mainrun cables, primary and secondary distribution boxes, RELOC cables and floor modules.

System Features

Configurable five gangs for power, data and voice.

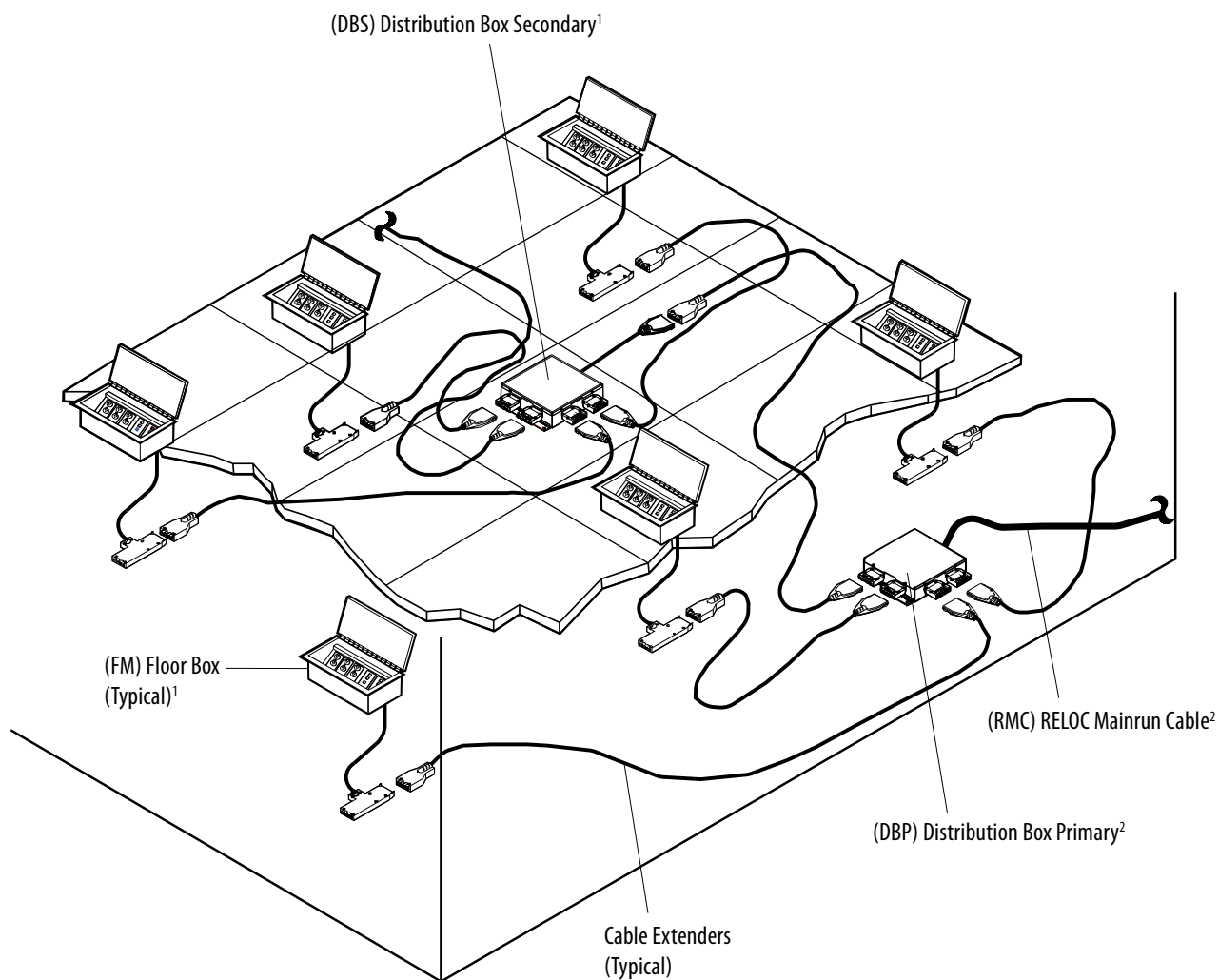
Includes power and data/voice separator.

Lids include recessed inserts for carpets.

DBS available up to six ports. DBS includes RELOC cable for three circuits to be distributed electrical.

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.



Notes

1. See page 515 for ordering information.
2. See page 493 for ordering information.

Intended Use

Used with the primary distribution box to further distribute circuits to utilization equipment. The secondary distribution box serves as a modular junction box to allow splitting circuits between multiple RELOC® ports. Available in two sizes, the secondary distribution box can be used in an open ceiling, above a hung ceiling, and below a raised floor, including low-profile raised floors. The DBS is provided

with an integrated RELOC drop cable attached at the input and all ports and conductors labeled to show their circuit assignments.

Electrical

Rated for 20A branch circuit use.

Compatible with RELOC 820, Quick-Flex®, OnePass® modular wiring systems.

Keying prevents accidental mating of circuits with different voltages.

Integrated RELOC drop cable allows up to three circuits to be distributed.

System Features

Available with up to six RELOC ports.

Up to three circuits per RELOC port.

Isolated ground and 2H/2N wiring available.

All internal wiring uses 12 AWG stranded copper THHN

(90°C). Size 9"x9" (up to six RELOC ports).

Low-profile secondary distribution box – 1.7" height.

Installation

Suitable for use in other environmental air areas used for NEC 300.22.

Listings

UL and CUL Listed.

DBS

Distribution Box Secondary



Example: DBS 120 DC 2CD

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult your sales representative.

Series	Voltage ²	Input connection	Output connection ¹	Options
DBS Distribution box secondary	120 120V	DC System 820 drop cable ²	_CD System 820 circuit distributor ²	(blank) No option
	208 208V ⁴	OD OnePass drop cable ²	_OC OnePass converter ²	2N Two hots and neutrals
	220 220V ⁴	QD Quick-Flex drop cable ^{3,4}	_QC Quick-Flex converter ^{3,4}	IGW Isolated ground wire ⁵
	240 240V ⁴	S5DC SIMPLY5 drop cable ⁵		PB Pull box
	277 277V			LP Low-profile box
	347 347V			
	480 480V ⁴			

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

- 1 Minimum output ports available is 2. Maximum output ports available is 6. Specify number of ports per box in blank.
- 2 Three circuits available for 120V, 277V and 347V. For two circuits, specify 2N options. Three phase circuit or two circuits available for 208V, 220V, 240V and 480V.

- 3 Not available in 208V, 220V, 240V and 480V. Two circuits available for 120V, 277V and 347V.
- 4 Not available with IGW or 2N option.
- 5 IGW available with 120V and DC input connection and CD output connections.

PRODUCT INFORMATION

Intended Use

Provides separate compartments for data, communication and power in an access floor. When prewired with a RELOC interface, relocation of office work stations is as easy as moving partitions and floor panels.

Construction

16-gauge galvanized steel. Up to 135 cubic inches capacity.

Sturdy Lexan carpet/tile floor flange supports box on panel. Also acts as carpet flange.

System Features

Concealed service top of sturdy molded Lexan.

Wide access openings (two sizes).

Hinged floor plate.

Interchangeable faceplates for flexibility.

Available with factory-installed electrical devices and RELOC interface for wiring ease and flexibility.

Installation

Easy to install or relocate in any access floor.

Listings

UL Listed only.

FM

Floor Module



Example: FM13 P Z B RQ

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult your sales representative.

Series/Size	Power options	Data/communications options	Finish	Output connection
Series Size				
FM ¹ 11 5" X 6" (two compartments)	P One power panel for one duplex receptacle (receptacle not included)	(blank) None provided	B Black	(blank) None
13 10" X 6" X 5-1/4" (five compartments)	P1 One prewired 20A duplex receptacle (one circuit)	D Blank panels	G Gray	RQ RELOC interface custom design ²
	P2 One prewired 20A isolated ground duplex receptacle (one circuit).	Z Custom design ²		
	Y Custom design ²			

ADDITIONAL INFORMATION

For additional product information, visit www.relocwiring.com.

Notes

- 1 120V only.
- 2 Consult factory for custom design options.



LITHONIA OUTDOOR

Lithonia Lighting outdoor products are unmatched in the industry for distinctive designs, mechanical integrity and high-performance optical systems. These high-quality products are characterized by superior-grade materials for reliability, highly engineered designs for performance and skilled craftsmanship for aesthetic styling. With a wide selection of luminaires, poles, mounting options and finishes, Lithonia Lighting is your best choice for every outdoor lighting application.



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OUTDOOR SOLUTIONS



LED ALX Series LED Area Luminaire

Breaks from the mold of traditional area lighting with high-performance LED illumination. Advanced thermal management and state-of-the-art optical design, combine to offer the first LED-alternative to meet the application demands previously served only by HID.

www.lithonia.com/ALX-LED



TWF Full Cut-off Wall Pack

A contemporary solution for commercial applications requiring a Nighttime Friendly™ wall pack. Precision-engineered reflector packages and a die-cast housing ensure reliable performance.

www.lithonia.com/TWF



Emergency LED (ELED) Egress Option

An LED source alternative for egress illumination. Paired with either HID or CFL luminaires from the architectural sconce line, the ELED option provides a solution for higher mounting height, cold weather application and source redundancy egress challenges for egress lighting.

www.lithonia.com/ELED



POLES CENTRAL

One central location for everything you need to know when selecting or installing a pole with your lighting fixture. Lithonia Lighting offers the widest selection of pole products from any single source; available in steel, aluminum, wood, fiberglass and concrete.

www.lithonia.com/Poles



OMERO™ FAMILY style, versatility, performance

ARCHITECTURAL DISTINCTION FROM TOP TO BOTTOM, the contemporary Omero design combines dayform aesthetics with industry-leading nighttime performance. The flowing lines and graceful curves are carried throughout the family and provide application versatility from wall mount to site and area applications.

Optional decorative arm and pole bases complement the fixtures.



For more information, visit www.lithonia.com/Omero



PRODUCT INFORMATION

AS AST

Aeris™



Intended Use
For streets, walkways, parking lots and surrounding areas.

Construction
Housing: Rugged, die-cast, single-piece aluminum housing with nominal 1/8" wall thickness.

Door Assembly: Die-cast doorframe, impact-resistant, tempered glass lens, 3/16" thick, fully sealed with one-piece tubular silicone gasket.

Finish: Standard finish is dark bronze polyester powder finish. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics
Anodized segmented reflectors for superior uniformity and control. Reflectors attach

with tool-less fasteners and are rotatable and interchangeable. Four full cutoff distributions available: Type II (roadway), Type III (asymmetric), Type IV (forward throw), and Type V (symmetric square).

Electrical
Ballasts: Mounted on removable power tray and have positive locking disconnect plugs. All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W

(must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S. Compact fluorescent uses an electronic high-frequency ballast.

Socket: Porcelain, medium-base socket for AS1, mogul-base socket for AS2, with copper alloy nickel-plated screw shell and center contact. Ceramic metal halide lamps are recommended for use in applications where superior color rendition, lumen maintenance and longer lamp life are desired. Fluorescent is four-pin positive latching thermoplastic. LPI is standard 35K for CFL.

Installation
Heavy-duty easy-mount block attaches to pole or wall to provide ease of installation as well as ensured alignment and leveling. Additional backing plate and receiver used to mount AST suspend tension rod. AST1 mounts 9.64" lower than specified pole height. AST2 mounts 13.89" lower than specified pole height.

Listings
UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for 25 °C ambient and wet locations. U.S. Patent No. D447,590. Canadian Patent No. 94324. IP65 Rated.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: AS1 150M SR2 TB SPA LPI

Series	Lamp type ¹	Distribution ¹			Voltage	Ballast	Mounting ¹⁴
AS1	High pressure sodium ²	400S	250M	Compact fluorescent	120	(blank) Magnetic ballast	<u>Ships included</u>
AS2	35S ³	Metal halide	320M ⁷	SR2			
AST1	50S ⁴	50M ^{2,5}	400M	2/32TRT ⁹	208¹⁰	CWI	SPA Square pole mounting block
AST2	70S	70M ^{2,5}	Metal halide ceramic ⁸	42 TRT	240¹⁰	SCWA	RPA Round pole mounting block
	100S	100M ²	50MH ^{2,5}	2/42TRT ⁹	277		WBA Wall bracket (up or down) ¹⁵
	150S	150M	70MH ^{2,5}	57TRT	347	<u>Ships separately^{16,17}</u>	ASKMA1 AS1 mast arm adaptor
	200S	175M⁶	100MH ²	70TRT	480¹⁰		ASKMA2 AS2 mast arm adaptor
	250S	200M ⁷	150MHC		TB¹¹		
					23050HZ ¹²		
					MVOLT ¹³		

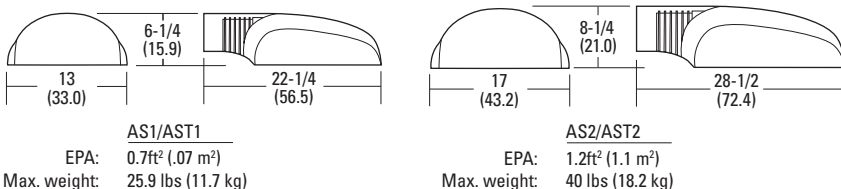
Options	Finish	Lamped
<u>Ships installed</u>	(blank) Dark bronze (std.)	LPI Lamp included
SF Single fuse, 120V, 277V, 347V ¹⁸	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V ¹⁸	DGC Charcoal gray	
GMF Internal slow-blow fusing	DMB Medium bronze	
ELDW Bodine emergency battery backup ¹⁸	DNA Natural aluminum	
EC Emergency circuit ^{18,19}	DWH White	
QRS Quartz restrike system ^{18,19}	CR Enhanced corrosion resistance	
	CRT Non-stick protective coating (black)	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
AS1, AST1	35S, 50S, 50M, 50MHC, 70S, 70M, 70MHC, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M, 42TRT, 57TRT, 70TRT	SR2, SR3, SR4SC, SR5S
AS1, AST1	2/32TRT, 2/42TRT	SR3
AS2, AST2	175M, 200S, 200M, 250S, 250M, 320M, 350M, 400S, 400M	SR2, SR3, SR4SC, SR4W, SR5S

DRILLING PATTERNS	
(SEE POLE ORDERING, PAGE 588)	
DM19AS	1 at 90°
DM28AS	2 at 180°
DM29AS	2 at 90°
DM39AS	3 at 90°
DM49AS	4 at 90°
DM32AS	3 at 120° (round poles only)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- 120V only.
- 120V and 277V only.
- Not available with 480V.
- Not available AS1/AST1 SCWA.
- Must be ordered with SCWA.
- Not applicable with L/LP.
- Available in SR3 only.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- Multi-volt electronic ballast (compact fluorescent only) capable of operating on any line voltage between 120V and 277V.
- Mounting block included standard.
- Mounted in lens up orientation, fixture is damp location rated. AST available in down orientation only.
- May be ordered as accessory. Not available with AST.
- Must specify finish.
- SF, DF, QRS, EC, or ELDW options cannot be ordered together.
- Maximum allowable wattage lamp included.
- Photocell not included.
- SR2, SR3, SR4W only.
- Prefix with fixture name and size (e.g., AS1VG).

PRODUCT INFORMATION

Intended Use

Streets, walkways, parking lots and surrounding areas.

Construction

Housing: Rugged, die-cast, single-piece aluminum housing with nominal wall thickness of 1/8". Door assembly: Die-cast door-frame has impact-resistant, tempered glass lens (3/16" thick), fully gasketed with one-piece tubular silicone. Finish: Dark bronze polyester powder finish standard. Additional architectural colors available, see www.lithonia.com/archcolors.

Optics

MIRO finish, segmented reflectors for superior unifor-

mity and control. Reflectors attach with tool-less fastener and are rotatable and interchangeable. Four full cutoff distributions available.

Electrical

Ballasts: Mounted on removable power tray and have positive locking disconnect plugs. All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for

U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S. Compact fluorescent uses an electronic high-frequency ballast. High-frequency generator for Induction.

Socket: Porcelain, medium-base socket for MR1, mogul-base socket for MR2, with copper alloy nickel-plated screw shell and center contact. Ceramic metal halide lamps are recommended for use in applications where superior color rendition, lumen maintenance and longer lamp life are desired. Fluorescent is four-pin positive latching thermoplastic. LPI is standard 35K for CFL.

Installation

Heavy-duty easy-mount block attaches to pole or wall to provide ease of installation as well as ensured alignment and leveling. Additional backing plate and receiver used to mount MRT suspension rod. MRT1 mounts 9.64" lower than specified pole height. MRT2 mounts 13.89" lower than specified pole height.

Listings

Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards (see Options). NOM Certified (see Options). IP65 Rated. U.S. Patent No. D556,357.

MR MRT

Omero™



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: MR1 150M SR3 TB SPA LPI

Series	Lamp type ¹	Distribution ¹	Voltage	Ballast	Mounting ¹⁴
MR1	High Pressure Metal Halide	SR2 Type II segmented	120	(blank) Magnetic ballast	Ships included
MR2	Sodium ²	SR3 Type III segmented	208 ¹⁰	CWI Constant wattage isolated ¹²	SPA Square pole mounting block
MRT1	35S ³	SR45C Type IV segmented, FT, sharp cutoff	240 ¹⁰	SCWA Super CWA ballast	RPA Round pole mounting block
MRT2	50S ⁴	SR4W Type IV segmented, FT, wide	277		WBA Wall bracket (up or down) ¹⁵
	70S	SR55 Type V segmented, square	347		Ships separately ^{16,17}
	100S		480 ¹⁰		DCMR1 MR1 Deco arm for square pole
	150S		TB ¹¹		DCMR1R MR1 Deco arm for round pole
	200S		23050HZ ¹²		DCMR2 MR2 Deco arm for square pole
	250S		MVOLT ¹³		DCMR2R MR2 Deco arm for round pole
	400S				

Options	Finish	Lamped
Ships installed	(blank) Dark bronze (std.)	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	DGC Charcoal gray	
GMF Internal slow-blow fusing	DMB Medium bronze	
QRS Quartz restrike system ¹⁸	DNA Natural aluminum	
EC Emergency circuit ¹⁸	DWH White	
	CR Enhanced corrosion resistance	
	CRT Non-stick protective coating (black)	

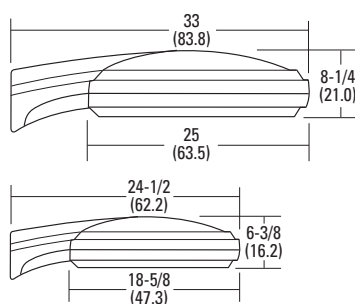
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
MR1, MRT1	35S, 50S, 50M, 50MHC, 70S, 70M, 70MHC, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M, 42TRT, 57TRT, 70TRT	SR2, SR3, SR45C, SR55
MR1, MRT1	2/32TRT, 2/42TRT	SR3
MR1, MRT1	100IL	Not applicable
MR2, MRT2	175M, 200S, 200M, 250S, 250M, 320M, 350M, 400S, 400M	SR2, SR3, SR45C, SR4W, SR55
MR2, MRT2	150IL	Not applicable

DRILLING PATTERNS	
(SEE POLE ORDERING, PAGE 588)	
DM19AS	1 at 90°
DM28AS	2 at 180°
DM29AS	2 at 90°
DM39AS	3 at 90°
DM49AS	4 at 90°
DM32AS	3 at 120° (round poles only)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	MR1/MRT1	MR2/MRT2
EPA:	0.54ft ² (0.05 m ²)	0.91ft ² (0.08 m ²)
Max. weight:	27 lbs (12.2 kg)	46 lbs (20.9 kg)
Induction weight:	35 lbs (15.9 kg)	

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- 120V only.
- 120V and 277V only.
- Not available with 480V.
- Not available MR1/MRT1 SCWA.
- Must be ordered with SCWA.
- Not applicable with L/LP.
- Available in SR3 only.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- Multi-volt electronic ballast
- (Compact fluorescent and Induction only) capable of operating on any line voltage between 120V and 277V.
- Mounting block included standard.
- Mounted in lens up orientation, fixture is damp location rated. MRT available in down orientation only.
- May be ordered as accessory. Not available with MRT.
- Must specify finish.
- Maximum allowable wattage lamp included.
- Photocell not included.
- SR2, SR3, SR4W only.
- Prefix with fixture name and size (e.g., MR1VG).

PRODUCT INFORMATION

MRP

Omero™



Intended Use
Streets, walkways, parking lots and surrounding areas.

Construction
Rugged, die-cast, single-piece aluminum housing with nominal wall thickness of 1/8". Die-cast, top-access door-frame has impact-resistant, tempered glass lens (3/16" thick). Doorframe is fully gasketed with one-piece tubular silicone.

Finish: Standard finish is dark bronze corrosion-resistant polyester powder finish. Additional architectural colors are available; see www.lithonia.com/archcolors.

Optics
MIRO finish, segmented reflectors for superior uniformity and control. Reflectors attach with tool-less fastener and are rotatable and interchangeable. Four full cutoff distributions available: Type II (roadway), Type III (asymmetric), Type IV (forward throw) and Type V (symmetric square). Not applicable with Induction.

Electrical
Ballasts: Mounted on removable power tray and have positive locking disconnect plugs. All ballasts are 100% factory tested. High reactance, high power factor for

150W and below. Constant wattage autotransformer 175W. MH: CSA, NOM or INTL required for probe start shipments outside of the US for 175M. Not available 175M SCWA. Compact fluorescent uses an electronic high-frequency ballast. High-frequency generator for Induction.

Socket: Porcelain, medium-base socket with copper alloy nickel-plated screw shell and center contact. Ceramic metal halide lamps are recommended for use in applications where superior color rendition, lumen maintenance and longer lamp

life are desired. Fluorescent is four-pin positive latching thermoplastic. LPI is standard 35K for CFL.

Installation
Mounts to a 4" round open-top pole. Optional mounting available.

Listings
Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards (see Options). NOM Certified (see Options). Optical chamber is IP65 rated. U.S. Patent No. D553,779.



Example: MRP 150M SR3 TB LPI

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Series	Lamp type ¹	Distribution ¹	Voltage	Balast	Mounting
MRP	High pressure sodium ⁴	150M	120	(blank) Magnetic ballast	<u>Ships installed</u>
	50S	175M ⁴	208 ⁷	CWI Constant wattage isolated ⁹	(blank) 4" round open-top pole
	70S	Metal halide ceramic ⁵	240 ⁷	SCWA Super CWA ballast ¹¹	<u>Ships separately</u> ^{12,13}
	100S	70MHC ^{2,3}	277		MRPF3 4" to 3" O.D. round open-top pole fitter
	150S	100MHC ²	347		MRPF5 4" to 5" O.D. round open-top pole fitter
	Metal halide	150MHC	480 ⁷		MRPT20 MRP 2-3/8" tenon slipfitter
	70M ^{2,3}		480 ⁷		MRPT25 MRP 2-7/8" tenon slipfitter
	100M ²		TB ⁸		
			23050HZ ⁹		
			Induction		
		100IL	MVOLT ¹⁰		

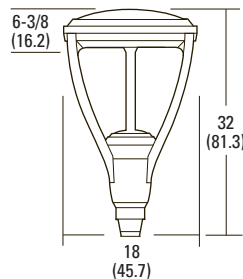
Options

Options	Finish	Lamped
<u>Ships installed</u>	(blank) Dark bronze (std.)	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	DGC Charcoal gray	
GMF Internal slow-blow fusing	DMB Medium bronze	
EC Emergency circuit ¹⁴	DNA Natural aluminum	
QRS Quartz restrike system ¹⁴	DWH White	
PER NEMA twist lock receptacle only ¹⁵	CR Enhanced corrosion resistance	
	CRT Non-stick protective coating (black)	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
MRP	50S, 70S, 70M, 70MHC, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M, 42TRT, 57TRT, 70TRT	SR2, SR3, SR4SC, SR5S
MRP	2/32TRT, 2/42TRT	SR3
MRP	100IL	Not applicable

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EPA: 1.125 ft²
Weight: 33 lbs (15.0 kg)

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- Not available with 480V.
- Not available with SCWA. Requires CSA, NOM, or INTL.
- Not applicable with L/LP.
- Available in SR3 only.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- Multi-volt electronic ballast (Compact fluorescent and Induction only) capable of operating on any line voltage between 120V and 277V.
- Only available with 150M or 150MHC.
- May be ordered as accessory.
- Must specify finish.
- Maximum allowable wattage lamp included.
- Photocell not included.
- SR2, SR3 only.
- Order as MR1VG as an accessory.

ALX



Intended Use

Streets, walkways, parking lots, and surrounding areas.

Construction

Rugged, die-cast, single-piece aluminum housing. Unique flow-through design for optimized thermal management. Modular design allows for ease of maintenance and potential for future system upgrades. Integral arm provides easy installation to a pole or wall (ALX1 only). Metallic screen covers the top of the housing preventing debris buildup while allowing for airflow. Housing completely sealed

against moisture or environmental contaminants. Low profile design minimizes wind loading.

Door assembly: Die-cast doorframe enclosing driver chambers. Doorframe is fully gasketed with one-piece tubular silicone.

Finish: Standard finish is dark bronze (DDB) corrosion-resistant polyester powder coat. Additional architectural colors available, see www.lithonia.com/archcolors.

Optics

Individual, precision molded lens assemblies provide optimal luminaire spacing and

improved uniformity. Three full cutoff systems available: Type III (asymmetric), Type IV (forward throw), Type V (symmetric). House side shield available to limit light trespass.

Electrical

Utilizes high-efficiency LEDs mounted to a metal core circuit board and aluminum heat sink, ensuring optimal thermal management. 5100° Kelvin temperature, CRI>70. Standard drivers are 120v through 277v, 50 hz to 60 hz operation. Contact factory for other voltages. Electronic drivers are accessible through hinged door. LED drivers have power factor >90%

and THD <20%. 28000L and 14000L lumen package luminaires can be wired for two circuit operation.

Installation

Heavy duty mounting block attaches to pole or wall to provide ease of installation as well as ensured alignment and leveling. ALX pole mount luminaires utilize the Aeris Series pole drilling pattern.

Listings

UL Listed for 25°C ambient and wet locations. IP65 rated (pending). Down orientation only. Patents pending.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

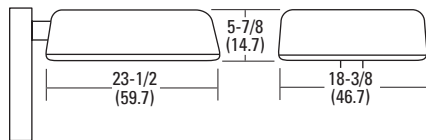
Example: ALX1 7000L SR5 MVOLT SPA

Series	Lumen output	Distribution	Voltage	Mounting ²	Options	Finish
ALX1	7000L	SR3 Type III asymmetric	480	SPA Square pole mounting block	<u>Installed</u>	(blank) Dark bronze (std.)
ALX2	14000L	SR4 Type IV forward throw	MVOLT ¹	RPA Round pole mounting block	PER NEMA twist-lock receptacle only	DBL Black
	21000L	SR5 Type V symmetric		WBA Wall bracket (down only) ³	HS House-side shield	DNA Natural aluminum
	28000L				DS Dual-switching	DWH White
					<u>Shipped separately⁴</u>	
					SC Shorting cap for PER option	
					DSSPE127 NEMA solid state twist-lock PE (120V/240V/277V)	

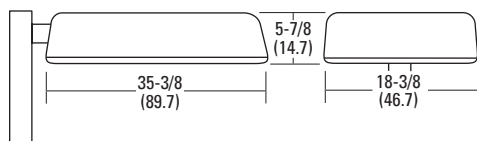
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



ALX1



ALX2

Notes

- 1 Multi-volt electronic ballast capable of operating on any line voltage from 120V-277V.
- 2 Refer to technical data section in Outdoor binder for drilling template.
- 3 Available with the ALX1 only.
- 4 May be ordered as an accessory. Specification subject to change. Consult www.lithonia.com/ALX-LED for latest information.

PRODUCT INFORMATION

KSF

Spec-Form®



Intended Use
For car lots, street lighting or parking areas.

Construction
Housing: Rugged, heavy-gauge, aluminum rectilinear housing. All seams continuously welded for weathertight integrity.

Doorframe: Natural anodized, extruded aluminum frame with mitered corners, retained with two hinge pins and secured with one quarter-turn, quick-release fastener. Integrally designed, extruded silicone gasket provides weatherproof seal between housing and frame.

Finish: Dark bronze polyester powder finish standard. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics
Optics: Anodized segmented reflectors provide superior uniformity and control. KSF1/KSF2 reflectors are rotatable and interchangeable. KSF3 Type IV is rotatable. Five cut-off distributions available: R2 (roadway), R3 (asymmetric), R4SC (forward throw, sharp cutoff), R4W (wide, forward throw), R5S (square).

Lens: .125" thick, impact-resistant tempered glass with thermally applied, silk-screened power door shield.

Electrical
Electrical components mounted to heavy-gauge plate to maximize heat dissipation and structural integrity. Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Horizontally oriented, mogul-base porcelain socket for 175W and above, medium base for 150W and below, with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V, 4KV pulse rated.

Installation
Mounting: Extruded aluminum arm for square pole mounting shipped in fixture carton as standard. Optional mountings available.

Listings
UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for 25°C ambient and wet locations. IP65 rated.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**. Example: KSF1 250S R3 TB SP09 LPI

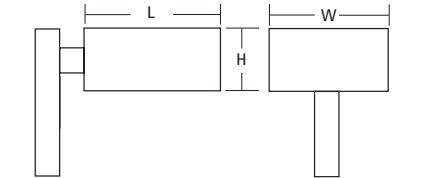
Series	Lamp type ¹	Distribution	Voltage	Ballast	Mounting			
KSF1	High pressure sodium ²	1000M ⁶	R2 Type II roadway ⁸	120	(blank) Magnetic ballast	Arm mounting	WB09 9" arm for wall	Optional mounting, ships separately ^{15, 16}
KSF2	Metal halide	R3	Type III asymmetric	208 ¹¹	CWI Constant wattage isolated ¹³	SP04 4" arm for square pole ¹⁴	WW09 9" arm for wood pole or wall	
KSF3	Metal halide ceramic ⁷	R4	Type IV, FT ^{9, 10}	240 ¹¹	SCWA Super CWA ballast	RP04 4" arm for round pole ¹⁴	SP12 12" arm for square pole	DA12P 12" degree arm for pole
	70S	150M	R4SC Type IV, FT, sharp cutoff ⁸	277		WB04 4" arm for wall	RP12 12" arm for round pole	DA12WB 12" degree arm for wall
	100S	175M ³	R4W Type IV, FT, wide ^{8, 9}	347		WW04 4" arm for wood pole or wall	WB12 12" arm for wall	KTMB Twin mounting bar
	150S	200M ⁴	R5S Type V symmetric square ⁹	480 ¹¹		SP09 9" arm for square pole ¹⁴	WW12 12" arm for wood pole or wall	
	250S	250M		TB ¹²		RP09 9" arm for round pole ¹⁴		
	400S	320M ^{4, 5}		23050HZ ¹³				
	1000S	350M ^{4, 5}						
		400M ⁵						

Options	Finish	Lamped
Ships installed	(blank) Dark bronze (std.)	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	DGC Charcoal gray	
EC Emergency circuit ¹⁷	DMB Medium bronze	
QRS Quartz restrrike system ¹⁷	DNA Natural aluminum	
PER NEMA twist-lock receptacle only ¹⁸	DWH White	
KW1 Kilowatch 120V control ¹⁹	CR Enhanced corrosion resistance	
KW4 Kilowatch 277V control ¹⁹	CRT Non-stick protective coating (black)	
CSA Meets Canadian standards		
NOM Meets Mexican standards (consult factory)		
INTL Available for MH probe start shipping outside the U.S.		
Ships separately ¹⁵		
PE1 NEMA twist-lock PE (120V-240V)		
PE3 NEMA twist-lock PE (347V)		
PE4 NEMA twist-lock PE (480V)		
PE7 NEMA twist-lock PE (277V)		
SC Shorting cap for PER option		
HS House-side shield ²⁰		
VG Vandal guard ²⁰		

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
KSF1	70S, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M, 200M, 250M	R2, R3, R4SC
KSF2	250S, 320M, 350M, 400S, 400M	R2, R3, R4SC, R4W, R5S
KSF3	1000S, 1000M	R3, R4, R5S

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	KSF1	KSF2	KSF3
EPA:	1.5 ft ² (0.14 m ²)	2.0 ft ² (0.19 m ²)	3.0 ft ² (0.28 m ²)
Length:	21-1/4 (54.0)	24-5/8 (62.5)	29-5/8 (75.2)
Width:	15-1/2 (39.3)	17-3/4 (45.1)	23-5/8 (59.9)
Height:	7-1/4 (18.4)	8-3/8 (21.1)	10-1/2 (26.7)
Max. weight:	35 lbs (15.9 kg)	52 lbs (23.6 kg)	80 lbs (36.3 kg)

- Notes**
- Specify lamp type and distribution. See Configurations table.
 - Not available with SCWA.
 - Universal, mogul base lamp allows KSF to be available with SCWA.
 - Must be ordered with SCWA.
 - Must use ED28 lamp.
 - Must use BT37 lamp with R5S.
 - Not applicable with L/LP.
 - Not available KSF3.
 - Not available KSF1.
 - Not available KSF2.
 - Must specify CWI for use in Canada.
 - Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
 - Consult factory for available wattages.
 - KSF1, KSF2 must use 9" arm, KSF3 must use 12" arm when mounting two luminaires at 90°.
 - May be ordered as accessory.
 - Must specify finish.
 - Maximum allowable wattage lamp included.
 - Photocell not included.
 - Available with 150S, 250S and 400S only.
 - Prefix with fixture name and size. VG: KSF1VG, KSF2VG. HS: KSF1HS, KSF2HS (for use with R2 or R3); KSF3HS (for use with R3 or R4).

PRODUCT INFORMATION

Intended Use

For parking areas, street lighting, walkways and car lots.

Construction

Housing: Rugged, .063" thick, aluminum rectilinear housing. Formed for weather-tight seal and integrity.

Doorframe: Naturally anodized, extruded, aluminum door frame with mitered corners is retained with two hinge pins and secured with a quarter-turn fastener. Impact-resistant, tempered

glass lens is fully gasketed with one-piece tubular silicone.

Finish: Dark bronze polyester powder finish.

Optics

Anodized aluminum segmented reflectors. IES cutoff distributions: R3 (asymmetric), R4SC (forward throw, sharp cutoff), or R4W (forward throw, wide). Optional houseside shield (HS) available.

Electrical

Ballast: All ballasts are 100% factory tested. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required; must order SCWA option.

Socket: Porcelain, horizontally oriented mogul base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V. Lamp included.

Installation

Extruded aluminum arm for square pole mounting.

Listings

UL Listed (standard). UL Listed for 25°C ambient and wet locations. IP65 Rated.

KSF POLE COMBO

Spec-Form®



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: **KS2400M25C R3 4C SCWA**

Series/Lamp type/Pole height		Distribution		Pole diameter	Arm length	Ballast	Options				
Series	Lamp type	Pole height	R3	Type III asymmetric	4C	(blank)	4 inches	SCWA	Super CWA ballast ²	HS	House-side shield ³
KS1	1 fixture	250M	16C	16-foot "C" pole	R4SC	Type IV, FT, sharp cutoff	5C ¹	09	9 inches		
KS2	2 fixtures	320M	20C	20-foot "C" pole	R4W	Type IV, FT, wide					
		400M	25C	25-foot "C" pole							
			30C	30-foot "C" pole ¹							

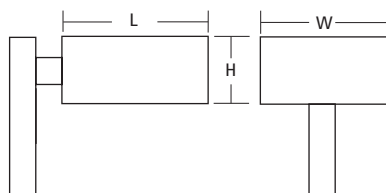
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

KS2400M25C R3 4C SCWA CONSISTS OF	
QUANTITY	CI CODE DESCRIPTION
1	SSS 25 4C DM28 PL DDB SHAFT
2	KSF2 400M R3 TB SCWA SP04 LPI
1	SBC4 DDB U
1	ABSSS-4C
1	STC-4 U

MAXIMUM M.P.H. WIND LOAD WITH 1.4 GUSTS		
POLE	KS1 SINGLE	KS2 DOUBLE
16' 4C 4" or 9" arm	100	100
20' 4C 4" or 9" arm	100	100
25' 4C 4" or 9" arm	90	80
30' 5C 4" or 9" arm	90	80

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



KSF POLE COMBO
 EPA: 2.0 ft² (0.19 m²)
 Length: 24-5/8 (62.5)
 Width: 17-3/4 (45.1)
 Height: 8-3/8 (21.3)
 Max. weight: 52 lbs (23.6 kg)

Notes

- 1 Only available 30'/5C.
- 2 Must be specified.
- 3 Ships separately. Not available with R4SC.

PRODUCT INFORMATION

KSE

Symmetra™



Intended Use
For car lots, street lighting or parking areas.

Construction
Housing: Rugged, heavy-gauge, extruded aluminum housing. Square shape, seam-welded and internally sealed for weathertight integrity.

Doorframe: Natural anodized, extruded aluminum doorframe sealed to housing by silicone closed-cell gasket and secured with one quarter-turn closing screw. Can be hinged from any of the four sides.

Finish: Standard finish is dark bronze polyester powder.

Additional architectural colors and striping available, see www.lithonia.com/archcolors.

Optics
Anodized, segmented reflectors for uniformity and control. Reflectors are tool-less, rotatable and interchangeable. Five cutoff distributions available: R2 (roadway), R3 (asymmetric), R4SC (forward throw, sharp cutoff), R4W (wide, forward throw) and R5S (symmetric).

Lens: 0.125"-thick, impact-resistant tempered glass.

Electrical
Electrical components mounted to heavy-gauge plate to maximize heat

dissipation and structural integrity. Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Horizontally oriented, mogul-base porcelain socket for 175W and above, medium

base for 150W and below, with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V, 4KV pulse rated.

Installation
Mounting: Extruded 4" aluminum arm for square pole mounting, shipped in fixture carton as standard. Optional mountings available.

Listings
UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: KSE1 150M R3 277 SP09 LPI

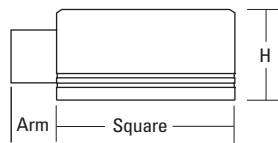
Series	Lamp type ¹			Distribution ¹		Voltage	Ballast		Mounting			
KSE1	High pressure sodium ²	Metal halide	320M ⁴	R2	Type II roadway	120	(blank)	Magnetic ballast	Ships included			
KSE2	70S	100M ²	350M ^{4,5}	R3	Type III asymmetric	208 ⁸	CWI	Constant wattage isolated ¹⁰	SP04	4" arm for square pole ¹¹	Ships separately^{12,13}	
	100S	150M	400M⁵	R4SC	Type IV, FT, sharp cutoff	240 ⁸	SCWA	Super CWA ballast	RP04	4" arm for round pole ¹¹	KMA	External mast arm adaptor
	150S	175M³	Metal halide ceramic ⁶	R4W	Type IV, FT, wide ⁷	277			WB04	4" arm for wall	DA12P	12" degree arm for pole
	250S	200M ⁴	100MH ^{C2}	R5S	Type V symmetric square ⁷	480 ⁸			SP09	9" arm for square pole	DA12WB	12" degree arm for wall
	400S	250M	150MHC			TB⁹			RP09	9" arm for round pole	KTMB	Twin mounting bar
						23050HZ ¹⁰			WB09	9" arm for wall		

Options			Finish			Lamped	
Ships installed			(blank)	Dark bronze (std.)		LPI Lamp included	
SF	Single fuse, 120V, 277V, 347V	NOM	Meets Mexican standards (consult factory)	SC	Shorting cap for PER option	L/LP Less lamp	
DF	Double fuse, 208V, 240V, 480V	INTL	Available for MH probe start shipping outside the U.S.	HS	House-side shield ¹⁶		
EC	Emergency circuit ¹⁴	Ships separately¹²			VG	Vandal guard ¹⁶	
QRS	Quartz restrike system ¹⁴	PE1	NEMA twist-lock PE (120V-240V)				
PER	NEMA twist-lock receptacle only ¹⁵	PE3	NEMA twist-lock PE (347V)				
KW1	Kilowatch 120V control ¹⁶	PE4	NEMA twist-lock PE (480V)				
KW4	Kilowatch 277V control ¹⁶	PE7	NEMA twist-lock PE (277V)				
CSA	Meets Canadian standards						

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
KSE1	70S, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M, 200M	R2, R3, R4SC
KSE2	250S, 250M, 320M, 350M, 400S, 400M	R2, R3, R4SC, R4W, R5S

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	KSE1	KSE2
EPA:	1.3 ft ² (.12m ²)	1.9 ft ² (.18m ²)
Square:	15-3/4 (40.0)	19 (48.3)
Height:	8-3/4 (22.2)	11 (27.9)
Max. weight:	26.6 lbs (12.1 kg)	39.9 lbs (18.1 kg)

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- Universal, mogul base lamp allows KSE to be available with SCWA.
- Must be ordered with SCWA.
- Must use ED28 lamp.
- Not applicable with L/LP.
- Not available KSE1.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- Use 9" arm when mounting two luminaires at 90°.
- May be ordered as an accessory.
- Must specify finish.
- Maximum allowable wattage lamp included.
- Photocell not included.
- Available with 150S, 250S and 400S only.
- Prefix with fixture name and size. VG: KSE1VG, KSE2VG. HS: KSE1HS, KSE2HS (for use with R2 or R3).

KVE



Intended Use

For streets, parking lots and surrounding areas.

Construction

Housing: Square, rugged, heavy-gauge, extruded aluminum housing. Fully gasketed for weather-tight integrity.

Finish: Dark bronze polyester powder finish standard. Additional architectural colors and striping available, see www.lithonia.com/archcolors.

Optics

Segmented, anodized aluminum optics are interchangeable and rotatable. Vertically lamped sealed optics include

symmetric, symmetric cutoff, asymmetric and asymmetric cutoff. Design redirects light around arc-tube for optimum lamp life and maximum efficiency. Five horizontal lamp cutoff distributions available: R2 (roadway), R3 (asymmetric), R4SC (forward throw, sharp cutoff) R4W (wide, forward throw) and R5S (symmetric).

Lens: Impact-resistant, clear, 3/16" thick, tempered drop lens.

Electrical

Electrical components mounted to heavy-gauge

plate to maximize heat dissipation and structural integrity. Ballast: All ballasts are 100% factory tested. Constant wattage autotransformer 175W and above. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 175-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Mogul-base porcelain socket with copper alloy, nickel-plated screw shell and center contact. UL Listed

1500W-600V, 4KV pulse rated (5KV for 1000S).

Installation

Mounting: Extruded aluminum arm with integral splice compartment for wall or pole mounting is shipped in fixture carton. Optional mountings available.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. U.S. Patent No. D417,026.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: KVE2 400S SYM TB SPV12 LPI

Series	Lamp type ¹	Distribution ¹	Voltage	Ballast	Mounting
KVE2	High pressure sodium ²	Horizontal lamp ⁵	120	(blank) Magnetic ballast	Arm mounting ¹¹
KVE3	250S 400S 750S 1000S	R2 Type II roadway ⁶ R3 Type III asymmetric ⁶ R4SC Type IV, FT, sharp cutoff ⁶ R4W Type IV, FT, wide ⁷ R5S Type V symmetric square ⁷	208 ⁸ 240 ⁸ 277 347 480 ⁸ TB ⁹ 23050HZ ¹⁰	CWI Constant wattage isolated ¹⁰ SCWA Super CWA ballast	SPV04 4" square pole arm RPV04 4" round pole arm SPV06 6" square pole arm RPV06 6" round pole arm SPV09 9" square pole arm RPV09 9" round pole arm
	Metal halide 175M ³ 200M ⁴ 250M 320M ⁴ 350M ⁴ 750M ⁴ 1000M				SPV12 12" square pole arm RPV12 12" round pole arm SPV14 14" square pole arm RPV14 14" round pole arm WBV09 9" wall bracket WWV09 9" wood pole or wall arm
					Post-top mounting PT4 Post top 4" OD open top pole PT4S Post top, 4-1/2" OD open-top pole PT5 Post top, 5" OD open-top pole PT6 Post top, 6" OD open-top pole

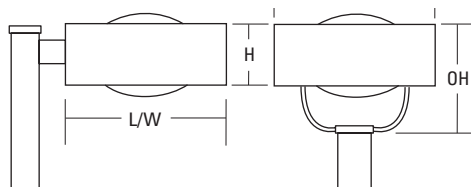
Options	Finish	Lamped
Ships installed	(blank) Dark bronze (std.)	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	DGC Charcoal gray	
EC Emergency circuit ¹²	DMB Medium bronze	
QRS Quartz restrike system ¹²	DNA Natural aluminum	
PER NEMA twist-lock receptacle only	DWH White	
KW1 Kilowatch 120V control ¹³	CR Enhanced corrosion resistance	
KW4 Kilowatch 277V control ¹³	CRT Non-stick protective coating (black)	
GFL Glass flat lens ¹⁴		
LS Lamp support (size 3 horizontal optics only)		
HS House-side shield		
CSA Meets Canadian standards		
NOM Meets Mexican standards (consult factory)		
INTL Available for MH probe start shipping outside the U.S.		
Ships separately ¹⁵		
PE1 NEMA twist-lock PE (120V-240V)		
PE3 NEMA twist-lock PE (347V)		
PE4 NEMA twist-lock PE (480V)		
PE7 NEMA twist-lock PE (277V)		
SC Shorting cap for PER option		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
KVE2	175M, 200M, 250S, 250M, 320M, 350M, 400S, 400M	SYM, SYMC, ASY, ASYC, R2, R3, R4SC, R5S
KVE3	400S, 400M, 750S, 1000S	SYM, ASY, ASYC, R5S
KVE3	750M, 1000M	SYM, SYMC, ASY, ASYC, R2, R3, R4SC, R5S, R4W

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	KVE2 (arm)	KVE3 (arm)	KVE2 (post)	KVE3 (post)
EPA:	3.3 ft ² (0.31 m ²)	4.2 ft ² (0.39 m ²)	3.4 ft ² (0.32 m ²)	4.5 ft ² (0.42 m ²)
Length/width:	25 (63.5)	29 (73.7)	25 (63.5)	29 (73.7)
Overall Height:	N/A	N/A	23-7/8 (60.6)	29-1/4 (74.3)
Height:	16-3/4 (42.5)	18-1/2 (47.0)	16-3/4 (42.5)	18-1/2 (47.0)
Max. weight:	77 lbs (34.9 kg)	87 lbs (39.5 kg)	87 lbs (39.5 kg)	97 lbs (44.0 kg)

Notes

- Specify lamp type and distribution. See configurations table.
- Not available with SCWA.
- Universal, mogul base lamp allows KVE to be available with SCWA.
- Must be ordered with SCWA.
- KVE2 320W, 350W, 400W MH requires ED28 lamp; KVE3 1000W MH requires BT37 lamp. Not available with KVE3 1000S.
- Not available KVE3 high pressure sodium.
- Only available KVE3 metal halide; 1000M requires BT37 lamp.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- KVE2 must use 12" arm, KVE3 must use 14" arm when mounting two luminaires at 90°.
- Maximum allowable wattage lamp included.
- Available only with 200M, 400M SCWA: ASY or SYM; 250S or 400S: all distributions.
- 400W maximum.
- May be ordered as accessory.

KVF



Intended Use
For car lots, street lighting or parking areas.

Construction
Heavy-gauge, die-formed aluminum housing, fabricated using robotic continuous seam-weld process for weathertight integrity. Integral structural support plate for mounting arm and electrical components. Hinged aluminium door-frame with stainless steel hardware. Thermal, shock-resistant, tempered flat or drop glass lens. Continuous silicone gasketing surrounds lens for weather tight seal. Finish: Dark bronze polyester powder finish standard.

Optional linear embossed accent reveals are available. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics
Vertical-lamp reflectors are one-piece spun and formed anodized aluminum. Horizontal-lamp reflectors also available. Horizontal position-oriented for types R2, R3 and R4. Reflectors are rotatable and interchangeable.

Electrical
Electrical components mounted to heavy-gauge plate to maximize heat dissipation and structural integrity. Ballast: All ballasts

are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer for 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-450W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S. Compact fluorescent uses an electronic high-frequency ballast.

Socket: Mogul-base porcelain socket for KVF2 (1000S is 5K pulse rated), medium base

for KVF1 with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V, 4KV pulse rated. LPI is standard 35K for CFL.

Installation
Extruded aluminum arm with integral splice compartment. Standard arm is 9" in length. (12" arm is required for fixtures mounted at 90°.)

Listings
UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and wet locations. Optical chamber is IP65 rated for ingress protection per IEC529 international standards.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**. **Example:** KVF2 1000M SYMDL 480 SP09 LPI

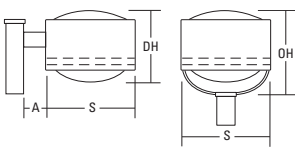
Series	Lamp type ¹	Distribution ^{1,9}			Voltage	Ballast	Mounting ¹⁵
KVF1	High pressure sodium ²	Metal halide ceramic ⁸	2/32TRT	Horizontal lamp	SR4W Type IV segmented, FT, wide	(blank) Magnetic ballast	Arm mounting
KVF2	50M ^{2,3}	50MHC ^{2,3}	42 TRT	R2 Type II roadway	SR5S Type V segmented, square	CWI Constant wattage isolated ¹²	SP09 9" arm for square pole
	70S	70MHC ^{2,3}	57TRT	R3 Type III asymmetric	Vertical lamp	SCWA Super CWA ballast	RP09 9" arm for round pole
	100S	100M ²	70TRT	SR2 Type II segmented	SYM Symmetric		SP12 12" arm for square pole
	150S	150M	Induction ⁷	SR3 Type III segmented	ASY Asymmetric		RP12 12" arm for round pole
	250S	175M ⁵	55IL	SR4SC Type IV segmented, FT, sharp cutoff	VFA Vertical FT, automotive		WB12 12" arm for wall
	400S	200M ^{5,6}	85IL				Post-top mounting
	1000S ⁴						PT4 Post top, 4" OD open-top pole

Options			Finish	Lamped
Ships installed	2DC12	Emergency circuit 12V; two 35W lamps included	(blank) Dark bronze (std.)	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	DC2012	Emergency circuit 12V; 20W lamp included	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	2DC2012	Emergency circuit 12V; two 20W lamps included	DGC Charcoal gray	
EC Emergency circuit ¹⁶	PE	Photoelectric cell - button type ¹⁷	DMB Medium bronze	
QRS Quartz restrrike system ¹⁶	PER	NEMA twist-lock receptacle only ¹⁸	DNA Natural aluminum	
QRSTD QRS time delay ¹⁶	EA	Embossed accents	DWH White	
DC12 Emergency circuit 12V; 35W lamp included	KW1	KiloWatch 120V control ¹⁹	CR Enhanced corrosion resistance	
			CRT Non-stick protective coating (black)	
			VG Vandal guard ²¹	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
KVF1	55IL, 85IL	Not Required
KVF1	2/26DDT, 2/26TRT, 2/32TRT	SYMDL, SYMFL, ASYDL, ASYFL, SR3DL, SR3FL
KVF1	57TRT, 70TRT	SR2DL, SR3DL, SR4SCDL, SR5SDL
KVF1	42TRT, 50M, 50MHC, 70S, 70M, 70MHC, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M	SYMDL, SYMFL, ASYDL, ASYFL, SR2DL, SR2FL, SR3DL, SR3FL, SR4SCDL, SR4SCFL, SR5SDL, SR5SFL
KVF1	175M SCWA, 200M	SYMDL, SYMFL, ASYDL, ASYFL
KVF2	250S, 250M, 320M, 350M, 400S, 400M	SYMDL, SYMFL, ASYDL, ASYFL, VFADL, VFADL, R2DL, R2FL, R3FL, R3DL, SR2FL, SR3FL, SR4SCFL, SR4WFL
KVF2	450M	SYMDL, SYMFL, ASYDL, ASYFL, VFADL, VFADL
KVF2	1000M	SYMDL, SYMFL, ASYDL, ASYFL, VFADL, VFADL, R2DL, R2FL, R3FL, R3DL
KVF2	1000S	ASYDL, SYMDL, VFADL

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	KVF1	KVF2
EPA ARM:	1.2 ft ² (0.11m ²)	2.8 ft ² (0.25 m ²)
EPA PT:	1.3 ft ² (0.12m ²)	2.8 ft ² (0.25 m ²)
Square:	16-1/8 (40.9)	21-1/2 (54.6)
Flat lens height:	9-3/8 (23.8)	14 (35.6)
Drop lens height:	11-3/8 (29.0)	17 (43.2)
PT overall height:	18 (45.7)	22-3/4 (57.8)
Weight:	29 lbs (13.2 kg)	55 lbs (24.9 kg)

- Notes**
- Specify lamp type and distribution. See Configurations table.
 - Not available with SCWA.
 - Not available 480V.
 - Available with SYMDL, ASYDL and VFADL standard E-25 lamp.
 - Not available KVF1 SCWA with horizontal distributions.
 - Must be ordered with SCWA. 450M only available in vertical distribution.
 - Must use reduced jacket lamp.
 - Not applicable with L/LP.
 - Designate DL (drop lens) or FL (flat lens) after distribution (ie SR2FL). SR4W only available with FL.
 - Must specify CWI for use in Canada.
 - Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
 - Consult factory for available wattages.
 - Multi-volt electronic ballast (compact fluorescent only) capable of operating on any line voltage between 120V and 277V.
 - Tri-volt electronic ballast capable of operating any line voltage between 200V and 277V.
 - Use 12" arm when mounting two luminaires at 90°.
 - Maximum allowable wattage lamp included.
 - Not available 347, 480, or TB. Not available KVF2.
 - Not available KVF1. Photocell not included.
 - Available with 200M-400M SCWA: ASY, SYM or VFA; 250S or 400S: all distributions.
 - May be ordered as an accessory.
 - Prefix with fixture name and size (e.g., KVF1VG).

PRODUCT INFORMATION

Intended Use

For parking areas, street lighting, walkways and car lots.

Construction

Heavy-gauge, die-formed aluminum housing is fabricated using robotic continuous seam-weld process for weather-tight integrity. Integral structural support plate for mounting arm and electrical components ensures rigidity and strength. Hinged aluminum doorframe incorporates stainless steel hardware. Continuous silicone gasketing surrounds lens for weather-tight seal.

Finish: Standard finish is dark bronze (DDB).

Optics

Flat lens configurations meet full-cutoff criteria. Vertical-lamp reflectors are one-piece spun and formed anodized aluminum. Reflectors are independently designed to optimize light output for the lens type.

Electrical

Ballast: All ballasts are 100% factory tested. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required; must order SCWA option.

Socket: Porcelain, vertically oriented, mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V. Lamp included.

Installation

Extruded aluminum arm for square pole mounting.

Listings

UL Listed (standard). UL Listed for 25°C ambient and wet locations. IP65 Rated.

KVF POLE COMBO



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: KV2400M25C ASYFL 5C 09 SCWA

Series/Lamp type/Pole height			Distribution		Pole diameter	Arm length		Ballast
Series	Lamp type	Pole height	SYMFL	Symmetric	5C	09	9 inches	SCWA Super CWA ballast ¹
KV1 1 fixture	250M	25C 25-foot "C" pole	ASYFL	Asymmetric	5G	12	12 inches	
KV2 2 fixtures	320M	30G 30-foot "G" pole						
	400M							

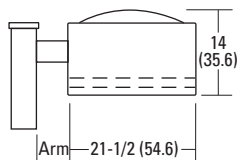
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

KV2400M25C ASYFL 5C 09 SCWA CONSISTS OF:	
QUANTITY	CI CODE DESCRIPTION
1	SSS 25 5C DM28 PL DDB SHAFT
2	KVF2 400M ASYFL TB SCWA SP09 LPI
1	SBC5 DDB U
1	ABSS5-5
1	STC-5 U

MAXIMUM M.P.H. WIND LOAD WITH 1.4 GUSTS		
POLE	KV1 SINGLE	KV2 DOUBLE
25' 5C	100	90
30' 5G	100	90

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

1 Must be specified.

KVR



Intended Use

For streets, parking lots and surrounding areas.

Construction

Housing: Cylindrically shaped, rugged, heavy-gauge, spun aluminum housing. Fully gasketed for weathertight integrity.

Finish: Dark bronze polyester powder finish standard. Optional linear embossed accent reveals are available. Arm-mounted KVR2 standard doorframe is natural aluminum (DNA). Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

KVR vertical-lamp reflectors are one-piece spun and formed around anodized aluminum. KVR horizontal-lamp hydroformed and segmented reflectors also available. KVR reflectors are rotatable and interchangeable.

Lens: Impact-resistant, clear, 3/16" thick, tempered drop or flat lens.

Electrical

Electrical components mounted to heavy-gauge plate to maximize heat dissipation and structural integrity. Ballast: All ballasts are 100% factory tested.

High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-450W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S. Compact fluorescent uses an electronic high-frequency ballast.

High-frequency generator for induction.

Socket: Mogul-base porcelain socket for KVR2 (1000S is 5K

pulse rated), medium base for KVR1 with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V, 4KV pulse rated. LPI is standard 35K for CFL.

Installation

Mounting: Extruded-aluminum contoured arm with integral splice compartment for wall or pole mounting is shipped in fixture carton. Optional mountings available.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and wet locations.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: KVR2 250M SYMDL 120 SCWA RPD09 LPI

Series	Lamp type ¹	Distribution ^{1,9}		Voltage	Ballast	Mounting
KVR1	High pressure sodium²	250M	Metal halide ceramic⁸	2/26TRT	Horizontal lamp	Vertical lamp
KVR2	50M ^{2,4}	320M ⁶	50MHC ^{2,4}	2/32TRT	R2 Type II roadway	SYM Symmetric
	70S	350M ⁶	70MHC ^{2,4}	42 TRT	R3 Type III asymmetric	ASY Asymmetric
	100S	400M	100MHC ²	57TRT	SR2 Type II segmented	VFA Vertical FT, automotive ¹⁰
	150S	450M ⁶	150MHC	70TRT	SR3 Type III segmented	
	250S	150M	150MHC	Induction ²	SR4SC Type IV segmented, FT, sharp cutoff	
	400S	175M ⁵	Compact fluorescent²	55SIL	SR4W Type IV segm, FT, wide ¹⁰	
	1000S ³	200M ^{5,6}	2/26DTT	85SIL		

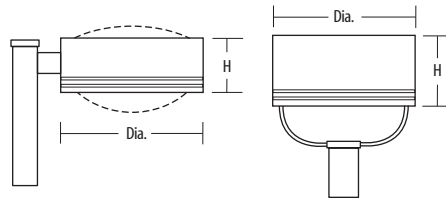
Mounting (continued)	Options	Finish	Lamped
WBD12 12" arm for wall	Ships installed	(blank) Dark bronze (std.)	LPI Lamp included
WWD12 12" arm for wood pole or wall	SF Single fuse, 120V, 277V, 347V	DBL Black	L/LP Less lamp
Post-top mounting	DF Double fuse, 208V, 240V, 480V	DGC Charcoal gray	
PT4 Post top, 4" OD open-top pole	EC Emergency circuit ¹⁷	DMB Medium bronze	
	QRS Quartz restrike system ¹⁷	DNA Natural aluminum	
	QRSTD QRS time delay ¹⁷	DWH White	
	PE Photoelectric cell - button type ¹⁸	CR Enhanced corrosion resistance	
	PER NEMA twist-lock receptacle only ¹⁹	CRT Non-stick protective coating (black)	
	KW1 KiloWatch 120V control relay ²⁰		
	KW4 KiloWatch 277V control relay ²⁰		
	TLS Tool-less access		
	EHS External house-side shield		
	EHSB External house-side shield black		
	CSA Meets Canadian standards		
	NOM Meets Mexican standards (consult factory)		
	INTL Available for MH probe start shipping outside the U.S.		
	Ships separately²¹		
	PE1 NEMA twist-lock PE (120V-240V)		
	PE3 NEMA twist-lock PE (347V)		
	PE4 NEMA twist-lock PE (480V)		
	PE7 NEMA twist-lock PE (277V)		
	SC Shorting cap for PER option		
	VG Vandal guard ²²		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

SERIES	LAMP TYPE	DISTRIBUTION
KVR1	55IL, 85IL	Not Required
KVR1	2/26DTT, 2/26TRT, 2/32TRT	SYMDL, SYMFL, ASYDL, ASYFL, SR3DL, SR3FL
KVR1	57TRT, 70TRT	SR2DL, SR3DL, SR4SCDL, SR5SDL
KVR1	42TRT, 50M, 50MHC, 70S, 70M, 70MHC, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M	SYMDL, SYMFL, ASYDL, ASYFL, SR2DL, SR2FL, SR3DL, SR3FL, SR4SCDL, SR4SCFL, SR5DL, SR5FL
KVR1	175M SCWA, 200M	SYMDL, SYMFL, ASYDL, ASYFL
KVR2	175M, 250S, 250M, 320M, 350M, 400S, 400M	SYMDL, SYMFL, ASYDL, ASYFL, VFADL, VFAPL, R2DL, R2FL, R3DL, R3FL, SR2FL, SR3FL, SR4SCFL, SR4WFL
KVR2	1000M, 1000S	SYMDL, SYMFL, ASYDL, ASYFL

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	KVR1	KVR2
EPA arm:	1.0 ft ² (0.09 m ²)	2.1 ft ² (0.20 m ²)
EPA PT:	1.2 ft ² (0.11 m ²)	2.5 ft ² (0.23 m ²)
Diameter:	17 (43.1)	26 (66.0)
Flat lens height:	9-1/4 (23.5)	14 (35.6)
Drop lens height:	10 (25.4)	17 (43.2)
PT overall height:	18- 3/4 (47.6)	23-1/2 (59.7)
Weight:	35 lbs (15.9 kg)	56 lbs (25 kg)

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- Drop lens uses standard E25 lamp. Flat lens uses reduced jacket lamp.
- Not available in 480V.
- KVR1 175M SCWA and 200M SCWA are only available with ASY or SYM.
- Must be ordered with SCWA.
- Must use reduced jacket lamp.
- Not applicable with L/LP.
- Designate DL (drop lens) of FL (flat lens) after distribution (e.g., SR2FL). KVR2 with SR2, SR3, SR4SC, SR4W only available with flat lens.
- Not available with KVR1.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- Multi-volt electronic ballast (compact fluorescent only) capable of operating on any line voltage between 120V and 277V.
- Tri-volt electronic ballast (induction only) capable of operating any line voltage between 200V and 277V.
- Use 12" arm when mounting two luminaires at 90°.
- Maximum allowable wattage lamp included.
- Not available 347, 480, or TB. Only available with KVR1.
- Only available KVR2. Photocell not included.
- Available with 200M-400M SCWA: SYM, AS or VFA; 250S or 400S: all distributions.
- May be ordered as an accessory.
- Prefix with fixture name and size (e.g., KVR1VG).

KAR



Intended Use

For parking lots, plazas or entrances.

Construction

Housing: Rugged, heavy-gauge, spun-aluminum housing in centriform shape.

Doorframe: Aluminum door frame standard with 1/8" impact-resistant, tempered-glass lens. Stainless steel external hardware. One-piece EPT closed-cell gasket.

Finish: Dark bronze polyester powder finish standard. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

Anodized, hydroformed aluminum reflectors. Four cutoff distributions available: R2 (roadway), R3 (asymmetric), R4 (forward throw) and R55 (symmetric). R4 reflector is field-rotatable. Reflectors hinge out for easy installation and maintenance.

Electrical

All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super

CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Horizontally oriented mogul-base porcelain socket (100M and 150M are medium-base) with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V. 4KV pulse rated. (1000S is 5KV pulse rated.)

Installation

Mounting: Contoured, extruded-aluminum 9" (KAR1/KAR2) and 12" (KAR3) arms with integral splice compartment for pole or wall mounting. Optional mountings available.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: KAR3 1000S R4 TB RPD12 LPI

Series	Lamp type ¹	Distribution ¹	Voltage	Ballast	Mounting ^{10,11}	
KAR1	High pressure sodium²	350M ⁴	R2 Type II roadway	120	(blank) Magnetic ballast	Ships separately¹²
KAR2	100M²	400M	R3 Type III asymmetric ⁶	208 ⁷	CWI Constant wattage isolated ⁹	SPD09 9" contoured arm for square pole
KAR3	150S	1000M	R4 Type IV, FT ⁶	240 ⁷	SCWA Super CWA ballast	RPD09 9" contoured arm for round pole
	250S	Metal halide ceramic⁵	R55 Type V symmetric square	277		WBD09 9" contoured arm for wall
	400S	100MHC ²		347		SPD12 12" contoured arm for square pole
	1000S	150MHC		480⁷		RPD12 12" contoured arm for round pole
				TB⁸		
				23050HZ ⁹		

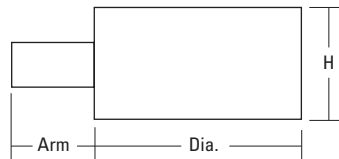
Options				Finish	Lamped
Ships installed		PER NEMA twist-lock receptacle only ¹⁴		(blank) Dark bronze (std.)	LPI Lamp included
SF Single fuse, 120V, 277V, 347V		HS House-side shield		DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V		CSA Meets Canadian standards	Ships separately¹⁰	DGC Charcoal gray	
EC Emergency circuit ¹³		NOM Meets Mexican standards (consult factory)	PE1 NEMA twist-lock PE (120V-240V)	DMB Medium bronze	
QRS Quartz restrrike system ¹³		INTL Available for MH probe start shipping outside the U.S.	PE3 NEMA twist-lock PE (347V)	DNA Natural aluminum	
QRSTD QRS time delay ¹³			PE4 NEMA twist-lock PE (480V)	DWH White	
			PE7 NEMA twist-lock PE (277V)	CR Enhanced corrosion resistance	
			SC Shorting cap for PER option	CRT Non-stick protective coating (black)	
			VG Vandal guard ¹⁵		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
KAR1	100M, 100MHC, 150S, 150M, 150MHC, 175M, 200M, 250M	R2, R3
KAR2	250S, 320M, 350M, 400S, 400M	R2, R3, R4, R55
KAR3	1000S, 1000M	R3, R4, R55

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	KAR1	KAR2	KAR3
EPA ⁶ :	1.2ft ² (.11m ²)	1.5ft ² (.14m ²)	2.2ft ² (.20m ²)
Diameter:	19-1/2 (49.5)	21-1/2 (54.6)	30 (75.6)
Height:	9-1/2 (24.1)	11 (27.9)	12-1/2 (31.8)
Arm length:	9 (22.9)	9 (22.9)	12 (30.5)
Max. weight:	36 lbs (15 kg)	45 lbs (20 kg)	53 lbs (24 kg)

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- Universal, mogul base lamp allows KAR1 and KAR2 to be available with SCWA.
- Must be ordered with SCWA.
- Not applicable with L/LP.
- HS option available.
- Must specify CWI for us in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- May be ordered as accessory.
- Must specify finish.
- KAR1, KAR2 uses 9" arm, KAR3 uses 12" arm when mounting two luminaries at 90°.
- Maximum allowable wattage lamp included.
- Photocell not included.
- Prefix with fixture name and size (e.g., KAR1VG). Not available with KAR3.

KVS



Intended Use

For lighting shopping center or stadium parking lots.

Construction

Housing: Rugged, heavy-gauge aluminum housing. Square shape, continuously welded seams for weather-tight integrity. EPDM closed-cell housing gasket.

Doorframe: Extruded aluminum hinged door frame. All exposed hardware is stainless steel.

Finish: Dark bronze polyester powder finish standard. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

One-piece, anodized, hydro-formed aluminum reflector. Four cutoff distributions available: R2 (roadway), R3 (asymmetric), R4 (forward throw) and R5 (symmetric). Reflectors hinge out for easy removal during installation/maintenance. Reflectors not rotatable. R5 is vertically lamped; R2, R3, and R4 are horizontally lamped.

Lens: Impact-resistant flat glass is standard for KVS1, R2, R3 and R4. Convex glass lens is standard with all KVS3 and KVS1 R5.

Electrical

Electrical components

mounted to heavy-gauge plate to maximize heat dissipation and structural integrity. Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S. Socket: Mogul-base porcelain

socket (100M and 150M are medium-base) with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V. 4KV pulse rated. (1000S is 5KV pulse rated.)

Installation

Mounting: Extruded 9" (KVS1) and 12" (KVS3) arms with integral splice compartment for wall or pole mounting. Optional mounting available.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: KVS1 250S R3 TB SP09 LPI

Series	Lamp type ¹		Distribution ¹	Voltage	Ballast	Mounting		
KVS1 KVS3	High pressure sodium ²	Metal halide	R2	120	(blank)	Ships separately	RP12	Optional mounting (ships separately)
	70S	100M ²	Type II roadway	208⁷	Magnetic ballast	SP09	12" arm for round pole	KMA
	150M	100M ²	R3	240 ⁷	CWI	9" arm for square pole	WB12	External mast arm adaptor ^{11,12}
	100S	150M	Type III asymmetric	277	Constant wattage isolated ⁹	RP09	12" arm for wall	DA12P
	150S	175M ³	R4	347	SCWA	9" arm for round pole	WW12	12" degree arm for pole
	250S	200M ⁴	Type IV, FT	480⁷	Super CWA ballast	WB09	Optional mounting (ships installed)	DA12WB
	400S	250M	R5	480⁷		9" arm for wall	MA	12" degree arm for wall
	1000S	320M ⁴	Type V symmetric	TB⁸		WW09	Internal mast arm adaptor ¹⁰	KTMB
		350M ⁴		23050HZ ⁹		12" arm for wood pole or wall		Twin mounting bar ¹¹
		400M				SP12		
	1000M ⁵							

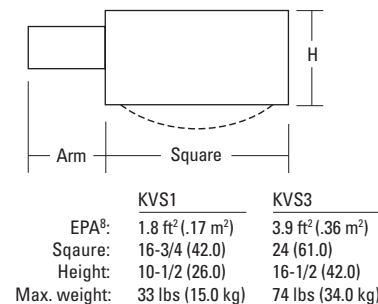
Options			Finish			Lamped				
<u>Ships installed</u>			MED	Medium-base socket ¹¹	<u>Ships separately</u> ¹⁶		(blank)	Dark bronze (std.)	LPI	Lamp included
SF	Single fuse, 120V, 277V, 347V		HS	House-side shield ¹⁵	PE1	NEMA twist-lock PE (120V-240V)	DBL	Black	L/LP	Less lamp
DF	Double fuse, 208V, 240V, 480V		CSA	Meets Canadian standards	PE3	NEMA twist-lock PE (347V)	DGC	Charcoal gray		
EC	Emergency circuit ¹³		NOM	Meets Mexican standards (consult factory)	PE4	NEMA twist-lock PE (480V)	DMB	Medium bronze		
QRS	Quartz restrrike system ¹³		INTL	Available for MH probe start shipping outside the U.S.	PE7	NEMA twist-lock PE (277V)	DNA	Natural aluminum		
PER	NEMA twist-lock receptacle only ¹⁴				SC	Shorting cap for PER option	DWH	White		
					VG	Vandal guard ¹⁷	CR	Enhanced corrosion resistance		
							CRT	Non-stick protective coating (black)		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
KVS1	70S, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M, 250S, 250M	R2, R3, R4, R5
KVS3	320M, 350M, 400S, 400M, 1000M	R2, R3, R5
KVS3	1000S	R5

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- Universal mogul base lamp allows KVS to be available with SCWA.
- Must be ordered with SCWA.
- Must use BT37 reduced jacket lamp for 1000M, R2 and R3; R5 uses BT56 standard lamp.
- Not applicable with L/LP.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- KVS3 only. Single/twin, 180° configuration.
- KVS1 only.
- For use with 6" minimum 2-3/8" OD pipe.
- Maximum allowable wattage lamp included.
- Photocell not included.
- Not available R2.
- May be ordered as accessory.
- KVS1 only. Not available with R5. (To order as an accessory: KVS1VG)

KT1



Intended Use

For parking lots, walkways, building facades, industrial sites and entrances. Designated for intrinsically dark areas, such as those surrounding observatories and sea turtle habitats.

Construction

Housing: Heavy-gauge aluminum housing, rectilinear shape, continuously welded seams for weather-tight integrity. Dark bronze polyester powder finish (DDB) standard; additional architectural colors available; see www.lithonia.com/archcolors.

Doorframe: Natural, anodized, extruded aluminum

frame with mitered corners, retained with two hinge pins and secure with one, quarter-turn quick-release fastener. Integrally designed, extruded silicone gasket provides weather-proof seal between housing and frame.

Optics

Lens: Clear glass lens standard.

Electrical

High-reactance autotransformer, 100% factory tested standard.

Listings

UL Listed (standard). CSA Certified (see Options). Suitable for wet locations.

Example: KT1 90L 120 SP04 PER LPI

ORDERING INFORMATION

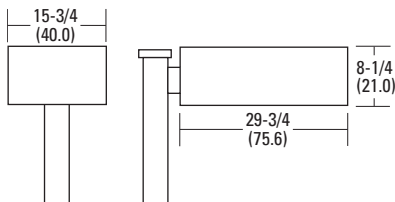
For shortest lead times, configure products using bolded options.

Series	Lamp type	Voltage	Ballast	Mounting	Options	Finish	Lamped
KT1	Low pressure sodium	120	(blank) Magnetic ballast	Ships separately	WB04 4" wall bracket	Ships installed	LPI Lamp included
		208 ¹		SP04 4" square pole arm	WB06 6" wall bracket	PER NEMA twist-lock receptacle only ⁴	LPIC Lamp included (deluxe/coated)
	55L	240 ¹		SP06 6" square pole arm ³	KMA Mast arm adapter	SF Single fuse, 120V, 277V, 347V	L/LP Less lamp
	90L	277		RP04 4" round pole arm	KTMB Twin mounting bar	DF Double fuse, 208V, 240V, 480V	
	2/90L	480 ^{1,2}		RP06 6" round pole arm ³		CSA Meets Canadian standards	
						Ships separately⁵	
					PE1 NEMA twist-lock PE (120V-240V)		
					PE3 NEMA twist-lock PE (347V)	(blank) Dark bronze	
					PE4 NEMA twist-lock PE (480V)	DBL Black	
					PE7 NEMA twist-lock PE (277V)	DGC Charcoal gray	
					SC Shorting cap for PER option	DMB Medium bronze	
						DNA Natural aluminum	
						DWH White	
						CR Corrosion-resistant finish	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EPA: 2.3 ft² (0.21m²) (includes arm)
Weight: 42 lbs (19 kg)

Notes

- 1 Consult factory for availability in Canada.
- 2 Reactor ballast.
- 3 SP06 or RP06, must be used when two or more luminaires are oriented on a 90° drilling pattern.
- 4 Photocell not included.
- 5 May be ordered as accessory.

KAD KAC KADT

Contour®



Intended Use

For parking areas, street lighting, walkways and car lots.

Construction

Housing: Rugged, die-cast, soft-corner aluminum housing with 0.12" nominal wall thickness.

Doorframe: KAD die-cast doorframe has impact-resistant, tempered glass lens that is fully gasketed with one-piece tubular silicone. KAC die-cast aluminum doorframe has prismatic, impact-resistant, tempered glass, drop dish acrylic lens or drop dish polycarbonate lens. Door frame is fully gasketed with one-piece silicone.

Finish: Dark bronze polyester powder finish. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

KAD: anodized aluminum hydro-formed or segmented reflectors. Four full cutoff distributions available: R2 (roadway), R3 (asymmetric), R4 (forward throw) and R5 (symmetric). High-performance, segmented reflectors are rotatable and field-interchangeable. KAC reflector is optical-quality aluminum that works in tandem with a light-diffusing prismatic lens.

Electrical

All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside the US.

Socket: Porcelain, horizontally oriented medium-base socket for 70-150W and mogul-base socket for 175W

and above with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V. 4KV pulse rated.

Installation

Extruded aluminum arm for square pole mounting. KADT mounts with SPD04 with an additional backing plate and receiver used to mount suspend tension rod. KADT mounts 11.27" lower than specified pole height.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). KAD UL Listed for 25°C ambient and wet locations. IP65 Rated.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: KAD 400M R3 TB SCWA SPD09 LPI

Series	Lamp type	Distribution		Voltage	Ballast	Mounting ¹¹			
KAC	High pressure sodium ¹	100M ¹	Metal halide ceramic ⁶	KAD/KADT	SR3 Type III segmented ⁷	120	(blank) Magnetic ballast	Ships included	Ships separately^{12,13}
KAD	150M	150M	70MHC ^{1,2}	R2 Type II roadway ⁷	SR4SC Type IV segmented, FT, sharp cutoff	208 ⁸	CWI Constant wattage isolated ¹⁰	SPD04 4" contoured arm for square pole	KMA External mast arm adaptor
KADT	70S	175M³	100MHC ¹	R3 Type III asymmetric ⁷	KAC - Lens	240 ⁸	SCWA Super CWA ballast	RPD04 4" contoured arm for round pole	DAD12P 12" contoured degree arm for pole
	100S	200M ⁴	150MHC	R4 Type IV, FT ⁷	FP Flat C73T	277		WBD04 4" contoured arm for wall	DAD12WB 12" contoured degree arm for wall
	150S	250M		R5S Type V symmetric square	DPA Drop acrylic	347		SPD09 9" contoured arm for square pole	KTMB Twin mounting bar
	250S	320M ⁴		SR2 Type II segmented ⁷	DPP Drop polycarbonate	480⁸		RPD09 9" contoured arm for round pole	KADWBA Decorative wall bracket (up or down)
	400S	350M ⁴				TB⁹		WBD09 9" contoured arm for wall	
	Metal halide	400M⁵				23050HZ ¹⁰			
	70M ^{1,2}								

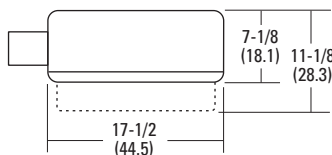
Options

Ships installed	WTB Terminal block ¹⁶	PE4 NEMA twist-lock PE (480V)	Finish	Lamped
SF Single fuse, 120V, 277V, 347V	HS House-side shield	PE7 NEMA twist-lock PE (277V)	(blank) Dark bronze (std.)	LPI Lamp included
DF Double fuse, 208V, 240V, 480V	CSA Meets Canadian standards	SC Shorting cap for PER option	DBL Black	L/LP Less lamp
EC Emergency circuit ¹⁴	NOM Meets Mexican standards (consult factory)	VG Vandal guard ¹⁸	DGC Charcoal gray	
QRS Quartz restrike system ¹⁴	INTL Available for MH probe start shipping outside the U.S.	WG Wire guard ¹⁸	DMB Medium bronze	
QRSTD QRS time delay ¹⁴	Ships separately¹⁷		DNA Natural aluminum	
PER NEMA twist-lock receptacle only ¹⁵	PE1 NEMA twist-lock PE (120V-240V)		DWH White	
PD Power tray ¹⁶	PE3 NEMA twist-lock PE (347V)		CR Enhanced corrosion resistance	
			CRT Non-stick protective coating (black)	

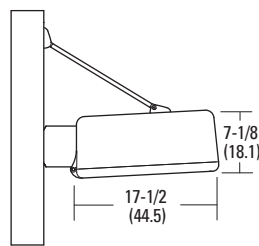
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	KAD/KAC (flat)	KAC (drop)
EPA:	1.2 ft ² (0.11 m ²)	1.4 ft ² (0.13 m ²)
Max. weight:	35.9 lbs (16.3 kg)	34 lbs (15.4 kg)



	KADT
EPA:	1.2 ft ² (0.11 m ²)
Max. weight:	35.9 lbs (16.3 kg)

Notes

- Not available with SCWA.
- Not available with 480V.
- Universal mogul base lamp allows KAD, KADT and KAC to be available with SCWA.
- Must be ordered with SCWA.
- Reduced jacket ED28 required for SR2, SR3, & SR4SC optics.
- Not applicable with L/LP.
- HS Option available
- Must specify CWI for us in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V.
- Consult factory for available wattages.
- 9" arm required when two or more luminaires are oriented @90°. KADT only available with SPD04 and only available at 180° orientations.
- May be ordered as accessory. Not available with KADT.
- Must specify finish.
- Maximum allowable wattage lamp included.
- Photocell not included.
- Only available with SR2, SR3, & SR4SC optics.
- May be ordered as accessory.
- Prefix with fixture name and size (e.g., KADWG).

KAD POLE COMBO

Contour®



Intended Use

For parking areas, street lighting, walkways and car lots.

Construction

Housing: Rugged, die-cast, soft-corner aluminum housing with 0.12" nominal wall thickness.

Doorframe: KAD die-cast doorframe has impact-resistant, tempered glass lens that is fully gasketed with one-piece tubular silicone.

Finish: Dark bronze polyester powder finish.

Optics

Anodized aluminum hydroformed reflectors. IES cutoff distributions: R3 (asymmetric) or R4 (forward throw). Optional houseside shield (HS) available.

Electrical

Ballast: All ballasts are 100% factory tested. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required; must order SCWA option.

Socket: Porcelain, horizontally oriented mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V. Lamp included.

Installation

Extruded aluminum contoured arm for square pole mounting.

Listings

UL Listed (standard). UL Listed for 25°C ambient and wet locations. IP65 Rated.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: **KC2400M25C R3 4C SCWA**

Series/Lamp type/Pole height			Distribution	Pole diameter	Arm length	Ballast	Options
Series	Lamp type	Pole height	R3 Type III asymmetric	4C	(blank) 4 inches	SCWA Super CWA ballast	HS House-side shield ²
KC1 1 fixture	250M	16C 16-foot "C" pole	R4 Type IV, FT		09 9 inches ¹		
KC2 2 fixtures	400M	20C 20-foot "C" pole					
		25C 25-foot "C" pole					

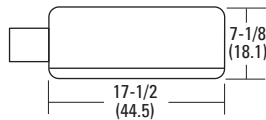
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

KC2400M25C R3 4C SCWA CONSISTS OF:

QUANTITY	CI CODE DESCRIPTION
1	SSS 25 4C DM28 PL DDB SHAFT
2	KAD 400M R3 TB SCWA SPD04 LPI
1	SBC4 DDB U
1	ABSS5-4C
1	STC-4 U

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



MAXIMUM M.P.H. WIND LOAD WITH 1.4 GUSTS

POLE	KC1 SINGLE	KC2 DOUBLE
16' 4C 4" or 9" arm	100	100
20' 4C 4" or 9" arm	100	100
25' 4C 4" arm	90	90
25' 4C 9" arm	90	80

KAD
EPA: 1.2 ft² (0.11 m²)
Max. weight: 35.9 lbs (16.3 kg)

Notes

- 1 9" arm available only with 400M.
- 2 Ships separately.

PRODUCT INFORMATION

SECURITY LIGHTING



Intended Use

Arm-mounted security light for yards and lots, service roads and building perimeters.

Construction

Housing: Rugged, die-cast aluminum head with photocell.

Optics

Formed aluminum reflectors and open bottom refractor for ease of maintenance and lamp replacement. Prismatic refractor provides uniform symmetrical Type V distribution.

Installation

Mounting arm (24" or 18" with TDD65) and all mounting hardware is included in carton. Photocell and lamp are included in carton. 120V.

Listings

Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards. Fixtures are covered by Lithonia Lighting 12-month warranty against mechanical defects in manufacture.



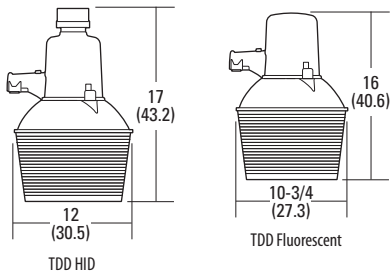
ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	WATTAGE	LAMP	VOLTAGE	MOUNTING ARM LENGTH	LAMP INCLUDED	APPROXIMATE WEIGHT (LBS)	STANDARD CARTON QUANTITY
TDD 100ML 120 M2	12" security light	100	MH	120	24"	Y	12	2
TDD 100SL 120 M2	12" security light	100	HPS	120	24"	Y	12	2
TDD 150SL 120 M2	12" security light	150	HPS	120	24"	Y	12	2
TDD 65L 120 M2	10" security light	65	Fluorescent	120	18"	Y	4	2

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



TDD HID

TDD Fluorescent

Intended Use

For walkways, plazas or pedestrian areas.

Construction

Housing: Bottom housing is 0.188" extruded aluminum. Decorative Aeris™ top cover is sand-cast with 0.188" minimum wall thickness. 42" overall height standard. Flush-fitting lens is 1/4", clear, 100% virgin acrylic. Exposed hardware is tamper-resistant stainless steel.

Four 1/4" x 11" anchor bolts with double nuts/washers and 4-1/2" diameter bolt circle template provided for mounting (shipped separately). Dark bronze textured (DDBT) corrosion-resistant polyester powder finish standard. Additional architectural colors available, see www.lithonia.com/archcolors.

Optics

Reflector system incorporates an anodized, spun aluminum

flared cone and an anodized, hydroformed, fluted upper reflector providing a Type V (symmetric) cutoff distribution. Optional cylindrical lower reflector available.

Electrical

Electrical components are unitized on removable power module and accessible through bottom of bollard. Positive-locking, quick-disconnect on secondary circuit. Ballast: All ballasts

are 100% factory tested. High reactance, high power factor.

Socket: Porcelain, medium-base socket, 4KV pulse rated.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations.

ASB
Aeris™



ASBX

ASBY

ASBZ

Example: ASBX 70M R5 TB LPI

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

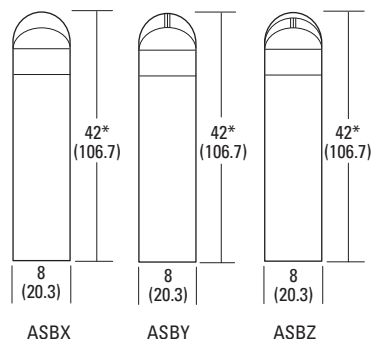
Series	Lamp type	Distribution	Voltage	Ballast
ASBX	High pressure sodium	Metal halide¹	120	(blank) Magnetic ballast
ASBY	50S	70M	208 ²	
ASBZ	70S	100M	240 ²	
	100S	Incandescent	277	
	150S	I ²	347	
			TB⁴	

Options	Finish	Lamped
Ships installed	(blank) Textured dark bronze (std.)	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V	DNA Natural aluminum	
H24 24" overall height	CR Enhanced corrosion resistance	
H30 30" overall height	DSST Textured sandstone	
H36 36" overall height	DNAT Textured natural aluminum	
FD Festoon outlet	DWHG Textured white	
FG Festoon outlet with duplex ground fault receptacle ⁵	DBLB Textured black	
CSA Meets Canadian standards		
Ships separately⁶		
SBS Half-shield (8" square)		
KBAB Anchor bolts		

ADDITIONAL INFORMATION

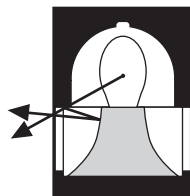
For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

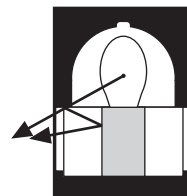


Max. weight: 43.2 lbs (19.6 kg)

* Also available in 24" (H24), 30" (H30) and 36" (H36).



Standard flared cone



Optional cylindrical reflector

Notes

- Requires coated lamp.
- 120V only. 150W max.; lamp not provided.
- Consult factory for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Cover ships separately.
- May be ordered as accessory.

PRODUCT INFORMATION

MRBX

Omero™



Intended Use

For walkways, plazas or pedestrian areas.

Construction

Extruded one-piece aluminum, 0.156" wall thickness. Molded top cover, 0.156" wall thickness. 42" overall height standard. 8" nominal diameter tube standard. Three 1/2" x 11" anchor bolts with double nuts and washers (shipped separately). 3-3/4" bolt circle template included.

Standard finish is textured dark bronze (DDBT) polyester powder, electrostatically applied and oven-cured. Additional architectural

colors available; see www.lithonia.com/archcolors.

Optics

Two reflector options are available: Type V symmetric and asymmetric distribution. Asymmetric reflector is adjustable independent of bollard orientation and can be adjusted without removing top cover. Lens is clear, seamless 100% virgin acrylic, 1/4" wall, flush fitting. Coated lamp is standard.

Electrical

Electrical components are unitized on removable power module and accessible through top of bollard. Positive-locking, quick-

disconnect on secondary circuit. Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 100W and below. MH: 100W and below are standard with pulse-start ignitor technology. Compact fluorescent electronic high-frequency multi-volt ballast, starting temperature 0° F (-18° C), <10% THD.

Socket: Vertically oriented, medium-base, pulse-rated porcelain socket with copper alloy, nickel-plated shell and center contact. Compact fluorescent has four-pin, white thermoplastic body with quick-connect push-in

wiring terminals. LPI is standard 35K for CFL.

Listings

Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards for wet locations (see Options.) NOM Certified (see Options).

U.S. Patent No. D550,881.

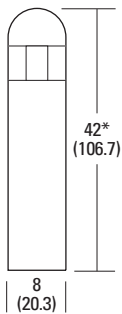
ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: MRBX 70M ASY 120 LPI

Series	Lamp type	Distribution		Voltage	Ballast
MRBX	<u>High pressure sodium</u>	<u>Metal halide²</u>	<u>Incandescent³</u>	SYM Type V symmetric distribution	(blank) Magnetic ballast
	35S ¹	50M	I	ASY Asymmetric distribution	
	50S	70M	<u>Compact fluorescent</u>		
	70S	100M	13DTT		
	100S		26TRT		
			32TRT		
Options		Finish		Lamped	
<u>Ships installed</u>		ELDWC Cold weather emergency battery pack (-20° C start temp) ⁸	(blank) Textured dark bronze (std.)	LPI Lamp included	
SF	Single fuse, 120V, 277V, 347V	CSA Meets Canadian standards	DDBT Textured dark bronze	L/LP Less lamp	
DF	Double fuse, 208V, 240V	NOM Meets Mexican standards (consult factory)	DSST Textured sandstone		
GLR	Internal fast-blow fusing	<u>Ships separately⁹</u>	DNAT Textured natural aluminum		
GMF	Internal slow-blow fusing	HS Internal half shield ¹⁰	DWHG Textured white		
H24	24" overall height	MRAB Anchor bolts	DBLB Textured black		
H30	30" overall height				
H36	36" overall height				

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Max. weight: 45 lbs (20.4 kg)

* Also available in 24" (H24), 30" (H30) and 36" (H36)

Notes

- 120V only.
- Requires coated lamp.
- 120V only. 100W max. A19 lamps only.
- Consult factory for use in Canada.
- 347V not available in 50S.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Optional multi-volt electronic ballast (compact fluorescent only) capable of operating any line voltage from 120-277V.
- Must specify voltage. 120V or 277V only.
- May be ordered as an accessory.
- Ships as: MRBX HS U

PRODUCT INFORMATION

KBC KBR



KBC



KBR

Intended Use

For walkways, plazas or pedestrian areas.

Construction

Housing: KB_6: Bottom housing is 0.125" extruded aluminum. Top cover is 0.156" cast aluminum. KB_8: Bottom housing is 0.156" extruded aluminum. 42" overall height standard. Flush-fitting lens is 1/2", clear, 100% virgin acrylic. All exposed hardware is tamper-resistant stainless steel. Four 1/2" x 11" anchor bolts with double

nuts/washers and 4-1/2" diameter bolt circle template provided for mounting (shipped separately).

Finish: Standard finish is dark bronze polyester powder finish. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

Reflector system incorporates an anodized, spun aluminum, flared cone and an anodized, hydroformed, fluted upper reflector providing a Type V (symmetric) cutoff distribu-

tion. Optional cylindrical lower reflector or cast-aluminum louvers are available.

Electrical

All ballasts are 100% factory tested. Electrical components unitized on removable power module and accessible through bottom of bollard. Positive-locking, quick-disconnect on secondary circuit. Compact fluorescent uses an electronic high-frequency multi-volt ballast.

Socket: Medium-base porcelain socket, 4KV pulse rated.

Compact fluorescent has four-pin, white thermoplastic body with quick-connect push-in wiring terminals. LPI is standard 35K for CFL.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: KBR8 100M R5 120 CR LPI

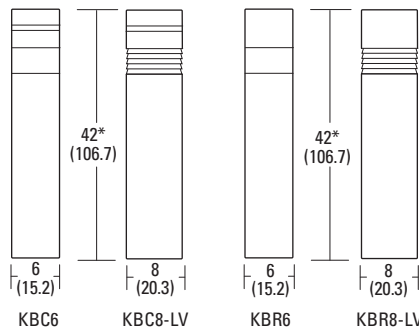
Series	Lamp type ¹	Distribution ¹	Voltage	Ballast	Options
KBC6	High pressure sodium	150S Incandescent ^{2,4,5}	120	(blank) Magnetic ballast	Installed
KBC8	35S ²	50M Metal halide ³	208 ⁷		DF Double fuse, 208V, 240V
KBR6	50S	70M Compact fluorescent ⁶	240 ⁷		H24 24" overall height
KBR8	70S	26TRT	277		H30 30" overall height
	100S	32TRT	347		H36 36" overall height
			TB ⁸		FD Festoon outlet ⁹
			MVOLT ⁶		FG Festoon outlet with duplex ground fault receptacle ⁹
					CSA Meets Canadian Standards
Options (continued)		Finish¹⁰			Lamped
Shipped separately		(blank) Dark bronze (std.)	DTG Tennis green	SDNA Natural aluminum stripe	LPI Lamp included
R6S Half-shield (6" round)	DWH White	DBR Bright red	DBR Bright red	SDTG Tennis green stripe	L/LP Less lamp
R8S Half-shield (8" round)	DBL Black	DSB Steel blue	DSB Steel blue	SDBR Bright red stripe	
	DMB Medium bronze	CR Enhanced corrosion resistance	CR Enhanced corrosion resistance	SDBUA Dark blue stripe	
	DNA Natural aluminum	SDDB Dark bronze stripe	SDDB Dark bronze stripe	SDYLB Yellow stripe	
	DSS Sandstone	SDWH White stripe	SDWH White stripe		
	DGC Charcoal gray	SDBL Black stripe	SDBL Black stripe		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

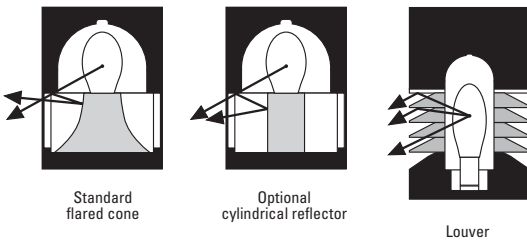
CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
KBC6, KBR6	35S, 50S, 50M, 70S, 70M, I	R5, CYA, CYB, CYG, CYF
KBC8, KBR8	50S, 70S, 70M, 100S, 100M, 150S, I	R5, CYA, CYB, CYG, CYF, LV
KBC8, KBR8	26TRT, 32TRT	LV

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Max. weight: 34.9 lbs (15.9 kg)

* Also available in 24" (H24), 30" (H30) and 36" (H36).



Notes

- Specify lamp type and distribution. See Configurations table.
- 120V only.
- Use coated lamp.
- KB-6: 116W/TS, lamp not included.
- KB-8: 150W max., lamp not included.
- Louver must be used. Multi-volt electronic ballast (for compact fluorescent lamps only) capable of operating on any line voltage from 120V-277V.
- Consult factory for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Cover ships separately.
- Choose primary fixture finish and stripe color if desired.

**KBS
KBE**

Intended Use

For walkways, plazas or pedestrian areas.

Construction

Housing: Bottom housing is 0.188" extruded aluminum. Top cover is a weldment of 0.188" aluminum extrusion and 0.250" aluminum plate. 42" overall height standard. Flush-fitting lens is 1/4", clear, 100% virgin acrylic. Exposed hardware is tamper-resistant stainless steel. Four 1/2" x 11" anchor bolts with double nuts/washers and 4-

1/2" diameter bolt circle template provided for mounting (shipped separately).

Finish: Dark bronze polyester powder finish standard. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

Reflector system incorporates an anodized, spun aluminum flared cone and an anodized, hydroformed, fluted upper reflector providing a Type V (symmetric) distribution.

Optional cylindrical lower reflector available.

Electrical

Ballasts are 100% factory tested. Electrical components are unitized on removable power module and accessible through bottom of bollard. Positive-locking, quick-disconnect on secondary circuit. Medium-base porcelain socket, 4KV pulse rated.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations.



KBS

KBE

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: KBS6 70M R5 TB LPI

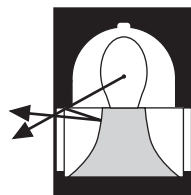
Series	Lamp type ¹	Distribution ¹	Voltage	Ballast	Options		
KBS6	High pressure sodium	Metal halide³	120	(blank)	Magnetic ballast	Ships installed	FG Festoon outlet with duplex ground fault receptacle ⁶
KBS8	35S ²	50M	208 ⁶			SF Single fuse, 120V, 277V, 347V	CSA Meets Canadian standards
KBE6	50S	70M	240 ⁶			DF Double fuse, 208V, 240V	<u>Ships separately</u>
KBE8	70S	100M	277			H24 24" overall height	S6S Half-shield (6" square)
	100S	Incandescent	347			H30 30" overall height	S8S Half-shield (8" square)
	150S	^{2, 4, 5}	TB⁷			H36 36" overall height	KBAB Anchor bolts
						FD Festoon outlet	
Finish⁹						Lamped	
(blank)	Dark bronze (std.)	DTG	Tennis green	SDNA	Natural aluminum stripe	LPI Lamp included	
DWH	White	DBR	Bright red	SDTG	Tennis green stripe	L/LP Less lamp	
DBL	Black	DSB	Steel blue	SDBR	Bright red stripe		
DMB	Medium bronze	CR	Enhanced corrosion resistance	SDBUA	Dark blue stripe		
DNA	Natural aluminum	SDDB	Dark bronze stripe	SDYLB	Yellow stripe		
DSS	Sandstone	SDWH	White stripe				
DGC	Charcoal gray	SDBL	Black stripe				

ADDITIONAL INFORMATION

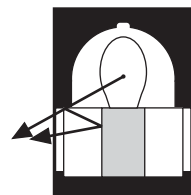
For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
KBE6, KBS6	35S, 50S, 50M, 70S, 70M, I	R5, CYA, CYB, CYG, CYF
KBE8, KBS8	50S, 70S, 70M, 100S, 100M, 150S, I	R5, CYA, CYB, CYG, CYF

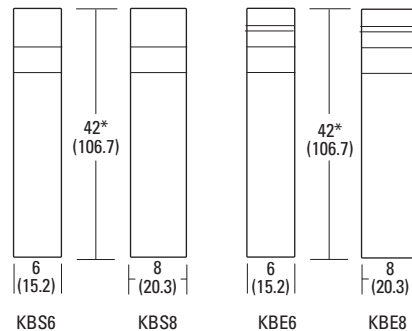
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Standard flared cone



Optional cylindrical reflector



Max. weight: 43.2 lbs (19.6 kg)

* Also available in 24" (H24), 30" (H30) and 36" (H36).

Notes

- Specify lamp type and distribution. See Configurations table.
- 120V only.
- Requires coated lamp.
- KB-6: 116W/TS, lamp not included.
- KB-8: 150W max., lamp not included.
- Consult factory for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Cover ships separately.
- Choose primary fixture finish and stripe color if desired.

ASW

Aeris™



Intended Use

For building- and wall-mounted applications.

Construction

Housing: Rugged, die-cast, single-piece aluminum housing. Die-cast door frame has impact-resistant, tempered glass lens. Door frame is fully sealed with a closed cell silicone gasket. Standard finish is textured dark bronze (DBBT) polyester powder. Additional architectural colors are available; see www.lithonia.com/archcolors.

Optics

High-performance, segmented reflectors provide superior uniformity and

control. Specialty anodized aluminum spot and grazer optics also are available. Reflectors are interchangeable and have field degree aiming capability up to 10° without tools. Reflectors allow for tool-less access to electrical components. All optics meet IES full cutoff criteria in lens-down orientation.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super

CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S. Compact fluorescent uses an electronic high-frequency ballast.

High-frequency generator for induction.

Socket: Porcelain, medium-base socket for ASW1, mogul-base socket for ASW2, with copper alloy, nickel-plated screw shell and center contact. Fluorescent is four-pin positive latching

thermoplastic. UL Listed. Compact fluorescent uses an electronic high-frequency ballast. LPI is standard 35K for CFL.

Installation

Universal mounting plate with integral mounting bolts supports the fixture for easy one-person installation. Can mount facing up.

Listings

UL Listed to U.S. and Canadian safety standards. CSA Certified or NOM Certified (see Options). UL Listed suitable for wet locations in up or down orientation. IP65 rated. U.S. Patent No. D500,569. Other patents pending.



Example: ASW1 100M SR3 120 LPI

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Series	Lamp type ¹	Distribution ¹	Voltage	Ballast	Mounting	Options
ASW1	High pressure sodium ⁷	Metal halide 400M	120	(blank) Magnetic ballast	Ships installed	Ships installed
ASW2	70M ^{2,3} 100M ² 70S 150M 100S 175M ⁴ 200M ⁵ 250M 320M ⁵ 400S 350M ⁵	Metal halide ceramic ⁶ 2/42TRT ⁷ 70MHC ^{2,3} 100MHC ² 150MHC Compact Fluorescent ² 2/26DTT ⁷ 32TRT	208 ¹³ 240 ¹³ 277 347 480 ¹³ TB ¹⁴ MVOLT ¹⁵ 23050HZ ¹⁶	CWI Constant wattage isolated ¹⁶ SCWA Super CWA ballast	(blank) Mounting plate (std.) Ships separately ^{17,18,19} BBW Surface-mounted back box	SF Single fuse, 120V, 277V, 347V DF Double fuse, 208V, 240V, 480V GMF Internal slow-blow fusing ELDW Bodine emergency battery pack ²⁰ ELDWR Fixture wired ready for Bodine B30 battery pack ²¹ ELDWRPS Fixture wired ready for PS1400 or PSDL battery pack ^{21,22} EC Emergency circuit ^{11,23}

Options (continued)

Options	Finish	Lamped
QRS Quartz restrike system ^{11,23}	(blank) Dark bronze, textured (std.)	LPI Lamp included
QRSTD QRS time delay (ASW2 only) ^{11,23}	DSST Sandstone-textured	L/LP Less lamp
DC12 Emergency circuit 12V; 35W lamp included ^{9,11}	DNAT Natural aluminum-textured	
2DC12 Emergency circuit 12V; two 35W lamps included ^{9,11}	DWHG White-textured	
DC2012 Emergency circuit 12V; 20W lamp included ^{9,11}	DBLB Black-textured	
2DC2012 Emergency circuit 12V; two 20W lamps included ^{9,11}	DDB Dark bronze	
PE Photoelectric cell - button type ²⁴	DNA Natural aluminum	
HS House-side shield ²⁵	CR Enhanced corrosion resistance	
	CRT Non-stick protective coating (black)	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

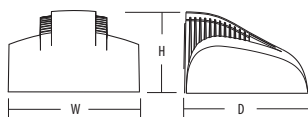
CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
ASW1	70S, 100S, 150S	SR2, SR3, SR4SC, GZ
ASW1	26TRT, 2/32TRT, 2/42TRT	SR3
ASW1	32TRT, 42TRT, 57TRT, 70TRT	SR2, SR3, SR4SC
ASW1	70M, 70MHC, 100M, 100MHC, 150M, 150MHC, 175M	SR2, SR3, SR4SC, GZ, SP
ASW2	175M, 200M, 250M, 320M, 350M, 400M	SR2, SR3, SR4SC, SR4W, SP
ASW2	200S, 250S, 400S	SR2, SR3, SR4SC, SR4W

LAMP/FIXTURE DATA			
LAMP TYPE	CIRCUIT TYPE	LAMP SHAPE	BASE
70S, 100S, 150S	HX-HPF	E17	Medium
250S, 400S	CWA	E17	Mogul
70M, 100M, 150M, 70MHC, 100MHC, 150MHC	HX-HPF	E17	Medium
175M, 175MHC	CWA	E17	Medium
250M, 250MHC	CWA	BT28	Mogul
400M, 400MHC	CWA	ED28	Mogul
26DTT	Electronic, HPF	T4	G24Q-3
32TRT	Electronic, HPF	T4	GX24Q-3
42TRT	Electronic, HPF	T4	GX24Q-4
57TRT	Electronic, HPF	T4	GX24Q-5
70DTT	Electronic, HPF	T4	GX24Q-6

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- Not available with 480V.
- Not available ASW1 SCWA.
- Must be ordered with SCWA.
- Not applicable with L/LP.
- Available with SR3 only.
- HS Option available.
- DC options and GZ cannot be ordered together (ASW1 only).
- Not available with compact fluorescent.
- EC, QRS, QRSTD, DC options or SP cannot be ordered together.
- Not available with HPS.
- Must specify CWI for use in Canada
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ship as 120/347V.
- Optional multi-volt electronic ballast (compact fluorescent only) capable of operating on any line voltage between 120V and 277V.
- Consult factory for available wattages.
- May be ordered as accessory.
- Must specify finish.
- Prefix with fixture name and size (e.g., ASW2VG) when ordered as accessory.
- Available for compact fluorescent units only; not available with 2/32TRT, 2/42TRT, 57TRT or 70TRT.
- Battery pack (not included) to be mounted external to luminaire. Pilot light/test switch mounting plate included. 32°F min. operating temperature.
- Not available with 2/42TRT.
- Maximum allowable wattage lamp included.
- Must be ordered with fixture; cannot be field installed. Not available 347V, 480V, or TB.
- Only available with SR2 & SR3; SR4W (size 2 only).

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	ASW1	ASW2
Width:	15 (38.1)	20-1/4 (51.4)
Depth:	13-3/4 (34.9)	18-3/4 (47.6)
Height:	9-1/4 (25.5)	12-1/2 (31.8)
Weight:	35 lbs (15.9 kg)	49 lbs (22.2 kg)

MRW

Omero™



Intended Use

For building- and wall-mounted applications.

Construction

Rugged, die-cast, single-piece aluminum housing. Die-cast doorframe has a 1/8" thick tempered glass lens. Doorframe is fully gasketed with one-piece solid silicone.

Standard finish is textured dark bronze (DDBT) corrosion-resistant polyester powder finish. Additional architectural colors are available; see www.lithonia.com/archcolors. Striping is also available.

Optics

Segmented reflectors provide superior uniformity and control. Reflectors are interchangeable. Three full cutoff distributions available: FT (forward throw), MD (medium throw) and WT (wide throw).

Electrical

Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W. MH: 150W and below are standard with pulse-start ignitor technology. CSA, NOM or INTL required for probe

start shipments outside the U.S. for 175M. Not available with 175M SCWA. Compact fluorescent uses an electronic high-frequency ballast.

Socket: Porcelain, medium-base socket for MRW with copper alloy, nickel-plated screw shell and center contact. Fluorescent is four-pin positive latching thermoplastic. UL Listed. Compact fluorescent uses an electronic high-frequency ballast. LPI is standard 35K for CFL.

Installation

Universal mounting mechanism with integral mounting support allows fixture to

hinge down. Bubble level provides correct alignment with every installation.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified (see Options). UL listed suitable for wet locations (damp location listed in lens up orientation). WLU option offers wet location listing in up orientation (see Options). IP65 rated. 25°C ambient. U.S. patent No. D565.232.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

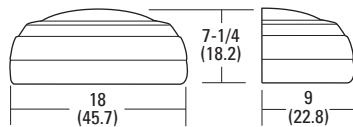
Example: MRW 100M FT TB LPI

Series	Lamp type	Distribution	Voltage	Ballast	Mounting	Options			
MRW	High pressure sodium ¹	Metal halide	Metal halide ceramic ²	Compact fluorescent ¹	FT Forward Throw	120	(blank) Magnetic ballast	Ships installed	Ships installed
	35S ²	50M ^{1,3}	50MHC ^{1,3}	26DTT	MD Medium throw	208 ⁶	CWI Constant wattage isolated ⁹	(blank) Mounting plate (std.)	SF Single fuse, 120V, 277V, 347V
	50S	70M^{1,3}	70MHC ^{1,3}	2/26DTT	WT Wide throw	240 ⁶	SCWA Super CWA ballast ¹⁰	Ships separately ^{11, 12}	DF Double fuse, 208V, 240V, 480V
	70S	100M¹	100MHC ¹	26TRT		277		BBW Surface-mounted back box ¹³	ELDW Bodine emergency battery pack ^{15, 16, 17}
	100S	150M	150MHC	2/26TRT		347		UTS Uptilt 5 degrees bracket ¹⁴	ELDWR Fixture wired ready for Bodine B30 battery pack ^{15, 16, 18}
	150S	175M⁴		32TRT		480⁶			ELDWRPS Fixture wired ready for PS1400 or PSDL battery pack ^{15, 16, 19}
			2/32TRT		TB⁷			EC Emergency circuit ^{16, 20}	QRS Quartz restrike system ^{16, 20}
			2/42TRT		MVOLT⁸				
						23050HZ⁹			
Options (continued)						Finish		Lamped	
ELED	LED emergency single ^{16, 21, 22}	IBS	Internal backlight shield ²⁵	(blank)	Dark bronze, textured (std.)	LPI	Lamp included ²⁷		
2ELED	LED emergency double ^{16, 21, 22}	WLU	Wet location door for up orientation	DSST	Sandstone-textured	L/LP	Less lamp		
DC12	Emergency circuit 12V; 35W lamp included ^{16, 23}	CSA	Meets Canadian standards	DNAT	Natural aluminum-textured				
2DC12	Emergency circuit 12V; two 35W lamps included ^{16, 23}	NOM	Meets Mexican standards (consult factory)	DWHG	White-textured				
DC2012	Emergency circuit 12V; 20W lamp included ^{16, 23}	INTL	International shipment for 175M.	DBLB	Black-textured				
2DC2012	Emergency circuit 12V; two 20W lamps included ^{16, 23}	Ships separately ^{11, 26}		DDB	Dark bronze				
PE	Photoelectric cell - button type ²⁴	VG	Vandal guard	CR	Enhanced corrosion resistance				
DFL	Diffusing lens	WG	Wire guard	CRT	Non-stick protective coating (black)				

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Weight: 35 lbs (15.9 kg)

Notes

- Not available with SCWA.
- 120V, NPF only.
- Not available with 480V.
- Not available with SCWA. Requires CSA, NOM, or INTL.
- Not applicable with L/LP.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V); (120, 277, 347V in Canada; ships as 120V/347V).
- Optional multi-volt electronic ballast (compact fluorescent only) capable of operating any line voltage from 120V-277V.
- Consult factory for available wattages.
- Only available with 150M or 150MHC.
- May be ordered as an accessory.
- Must specify finish.
- Order WSBWW when needed as an accessory.
- Order WSUTS when needed as an accessory.

- Available for compact fluorescent units only. Must specify voltage.
- Only one emergency option available per fixture.
- Not available with 2/32TRT or 2/42TRT.
- Battery pack (not included) to be mounted external to luminaire. Pilot light/test switch mounting plate included. 32°F min. operating temperature.
- Not available with 2/42TRT.
- Maximum allowable wattage lamp included.
- Available in 120V or 277V only.
- Maximum wattage 100M or 70S.
- Not available with fusing.
- Must be ordered with fixture; cannot be field installed. Not available 347V, 480V, or TB.
- Not available with medium throw.
- Prefix with fixture name and size (e.g., MRWVG)
- For medium throw distribution, lamp is coated.

PRODUCT INFORMATION

WST
WSR
WSQ



Intended Use

For building- and wall-mounted applications.

Construction

Housing: Rugged, die-cast, single-piece housing. Die-cast doorframe has 1/8" thick tempered glass lens. Doorframe is fully gasketed with one-piece solid silicone. Standard finish is textured dark bronze (DBBT) corrosion-resistant polyester powder. Additional architectural colors are available; see www.lithonia.com/archcolors. Striping is also available.

Optics

Interchangeable, segmented reflectors for superior unifor-

mity and control. Three full cutoff distributions available: FT (forward throw), MD (medium throw) and WT (wide throw). Four uplight distributions available in WSR only: FTU (forward throw, 10% up), MDU (medium throw, 10% up), WTU (wide throw, 10% up) and MDU5 (up/down, medium throw, 50% up, 50% down). Compact fluorescent MD (medium throw) only.

Electrical

Ballast: All ballasts are 100% factory tested. Reactor high power factor for 35S. High reactance, high power factor for 50-150W. Constant wattage autotransformer for

175W. MH: 150W and below are standard with pulse-start ignitor technology. CSA, NOM or INTL required for probe start shipments outside the U.S. for 175M. Not available 175M SCWA. Compact fluorescent uses an electronic high-frequency ballast.

Socket: HID is porcelain, medium-base copper alloy, nickel-plated screw shell and center contact. (UL Listed 660W, 600V 4KV pulse rated). Fluorescent is four-pin positive latching thermoplastic. LPI is standard 35K for CFL.

Installation

Universal mounting mechanism with integral mounting support allows fixture to hinge down. Bubble level provides correct alignment with each installation.

Listings

UL Listed suitable for wet locations (damp location listed in lens-up orientation). CSA Certified (see Options). IP65 rated.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

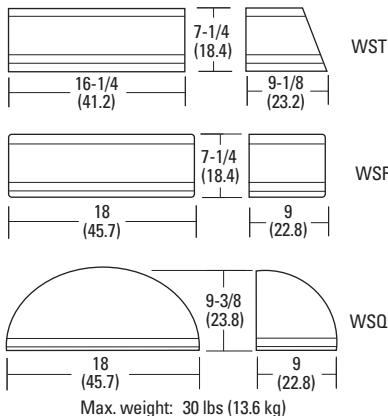
Example: WST 100M FT 120 PE LPI

Series	Lamp type	Distribution	Voltage	Ballast	Mounting
WSQ	Quarter sphere High pressure sodium ¹ 35S ²	70M ^{1,3} 100M ¹ 150M 26DTT 2/26DTT 32TRT Up/Down distribution ^{7,8} FTU Forward throw with 10% uplight MDU Medium throw with 10% uplight MDUS 50% Up/down medium throw WTU Wide throw with 10% uplight ⁹	120 208 ¹⁰ 240 ¹⁰ 277 347 480 ¹⁰ TB ¹¹ MVOLT ¹² 23050HZ ¹³	(blank) Magnetic ballast CWI Constant wattage isolated ¹³ SCWA Super CWA ballast	Ships installed (blank) Mounting plate (std.) Ships separately ^{14, 15} BBW Surface-mounted back box ¹⁶ UT5 Uplight 5 degrees bracket ¹⁷
WSR	Half round 50S 150S Metal halide 50M ^{1,3}	Compact fluorescent ^{1,6} 2/32TRT 42TRT 2/42TRT			
WST	Trapezoid 70S 100S 150S Metal halide 50M ^{1,3}	Metal halide ceramic ⁹ 50MHC ^{1,3} 70MHC ^{1,3} 100MHC ¹			

Options	Finish	Lamped
Ships installed	(blank) Dark bronze, textured (std.)	LPI Lamp included ³¹
SF Single fuse, 120V, 277V, 347V	DNAT Natural aluminum-textured	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	DWHG White-textured	
GMF Internal slow-blow fusing ¹⁸	DBLB Black-textured	
ELDW Bodine emergency battery pack ^{18, 19, 20, 21}	CR Enhanced corrosion resistance	
ELDWR Fixture wired ready for Bodine B30 battery pack ^{18, 19, 20, 22}	CRT Non-stick protective coating (black)	
ELDWRPS Fixture wired ready for PS1400 or PSDL battery pack ^{18, 19, 20, 22, 23}		
EC Emergency circuit ^{20, 24}		
QRS Quartz restrrike system ^{20, 24}		
ELED LED emergency single ^{20, 25}		
2ELED LED emergency double ^{20, 25}		
DC12 Emergency circuit 12V; 35W lamp included ^{20, 26}	DLF Diffusing lens	
2DC12 Emergency circuit 12V; two 35W lamps included ^{20, 26}	IBS Internal backlight shield ²⁸	
DC2012 Emergency circuit 12V; 20W lamp included ^{20, 26}	UCS Uplight component shield ²⁹	
2DC2012 Emergency circuit 12V; two 20W lamps included ^{20, 26}	WLU Wet location door for up orientation	
PE Photoelectric cell - button type ^{19, 27}	CSA Meets Canadian standards	
	NOM Meets Mexican standards (consult factory)	
	INTL International shipment for 175M Ships separately ^{14, 30}	
	VG Vandal guard	
	WG Wire guard	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Not available with SCWA.
- 120V only.
- Not available with 480V.
- Not available with SCWA. Requires CSA, NOM, or INTL.
- Not applicable with L/LP.
- Only available with MD, MDU and MDUS distributions.
- Available on WSR fixture only.
- Must be ordered with fixture; no field modifications.
- Colored uplight lens available. See www.lithonia.com. Only available with WTU distribution.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Optional multi-volt electronic ballast (compact fluorescent only) capable of operating on any line voltage from 120V-277V.
- Consult factory for available wattages.
- May be ordered as an accessory.
- Must specify finish.

- Order as WSBBW for accessory.
- Order as WSUT5 for accessory.
- Available for compact fluorescent units only.
- Must specify voltage.
- Only one emergency option available per fixture.
- Not available with 2/32TRT or 2/42TRT.
- Battery pack (not included) to be mounted external to luminaire. Pilot light/test switch mounting plate included. 32°F min. operating temperature.
- Not available 2/42TRT.
- Maximum allowable wattage lamp included.
- Available 120V or 277V only. Maximum wattage 100M or 70S.
- Not available with fusing.
- Not available 347V, 480V, or TB.
- Not available with medium throw.
- For WSR, inverted orientation, with FTU and WTU distributions only.
- Prefix with fixture name (e.g., WSRVG) for accessory. WSQ ships same as WSR.
- For medium throw distribution, lamp is coated.

WSTM



Intended Use

For building- and wall-mounted applications.

Construction

Rugged, die-cast, single-piece aluminum housing. Die-cast doorframe has a 1/8" thick tempered glass lens. Doorframe is fully gasketed with one-piece solid silicone.

Standard finish is textured dark bronze (DDBT) corrosion-resistant polyester powder finish. Additional architectural colors are

available; see www.lithonia.com/archcolors. Striping is also available.

Optics

Hydroformed reflector for superior uniformity and control. Medium throw (MD) full cut off distribution only.

Electrical

Ballast: All ballasts are 100% factory tested. Reactor high power factor for 35S. High reactance, high power factor for 50-70W. MH: 70W and below are standard with pulse-start ignitor technol-

ogy. Compact fluorescent utilizes an electronic, high-frequency ballast.

Socket: Porcelain, medium-base socket with copper alloy, nickel-plated screw shell and center contact. Fluorescent is four-pin positive latching thermoplastic. LPI is standard 35K for CFL. UL Listed.

Installation

Easily installed using provided mounting strap. Mount to any non-combustible vertical surface or to a 4" round or

square outlet box. Back access through slotted gasket.

Listings

Listed and labeled to UL standards. Listed and labeled to CSA standards (see Options). NOM Certified (see Options). IP65 rated. Wet location listed.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

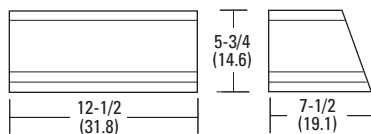
Example: WSTM 70M MD 120 LPI

Series	Lamp type	Distribution	Voltage	Ballast	Mounting	Options			
WSTM	High pressure sodium	MD Medium throw	120	(blank) Magnetic ballast CWI Constant wattage isolated ⁶	<u>Ships installed</u> (blank) Mounting plate (std.) <u>Ships separately</u> UT5 Uptilt 5 degrees bracket ⁷	<u>Ships installed</u> SF Single fuse, 120V, 277V, 347V DF Double fuse, 208V, 240V GMF Internal slow-blow fusing ⁸ EC Emergency circuit ⁹ QRS Quartz restrike system ⁹ DC12 Emergency circuit 12V; 35W lamp included ^{10, 11} DC2012 Emergency circuit 12V; 20W lamp included ^{10, 11}			
	Metal halide 50M		208 ³						
	70M		240 ³						
	Metal halide ceramic ²		277						
35S ¹	26DTT	347	TB ⁴						
50S	26TRT	MVOLT ⁵							
70S	32TRT	23050HZ ⁶							
	50MHC								
	70MHC								
Options (continued)		Finish		Lamped					
PE	Photoelectric cell - button type ^{12, 13}	Fixture		CR	Enhanced corrosion resistance	SDNA	Natural aluminum stripe	LPI	Lamp included ¹⁴
DFL	Diffusing lens	(blank)	Dark bronze, textured (std.)	CRT	Non-stick protective coating (black)	SDSS	Sandstone stripe	L/LP	Less lamp
CSA	Meets Canadian standards	DSST	Sandstone-textured	<u>Optional stripe</u>		SDTG	Tennis green stripe		
NOM	Meets Mexican standards (consult factory)	DNAT	Natural aluminum-textured	SDDB	Dark bronze stripe	SDBR	Bright red stripe		
	<u>Ships separately</u>	DWHG	White-textured	SDWH	White stripe	SDBUA	Dark blue stripe		
WG	Wire guard ¹²	DBLB	Black-textured	SDBL	Black stripe	SDYLB	Yellow stripe		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Max. weight: 14 lbs. (6.35 kg)

Notes

- 120V only.
- Not applicable with L/LP.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Multi-volt electronic ballast (compact fluorescent only) capable of operating on any line voltage between 120V and 277V.
- Consult factory for available wattages.
- May be ordered as an accessory. Must specify finish. Order as WSUTS.
- CFL only. Must specify voltage. Not available with MVOLT.
- Maximum wattage lamp included.
- Available for HID only.
- Not available with SF or DF.
- Must be ordered with fixture; cannot be field installed.
- Not available in 347V or TB.
- For medium throw distribution, lamp is coated.

WFL



Intended Use

For building- and wall-mounted applications.

Construction

Housing: Extruded aluminum body with cast end caps is mounted with 1/4" bolts, to formed steel wall bracket. Housing body can be rotated and locked in any position along horizontal axis. Cast aluminum lens frame is hinged and secured by stainless steel fasteners. Closed cell silicone gasket prevents the penetration of dust and moisture. Clear, impact-resistant, tempered glass lens with silkscreen.

Finish: Standard finish is dark bronze (DDB) corrosion-resistant polyester powder. Additional architectural colors are available; see www.lithonia.com/archcolors.

Optics

Anodized aluminum reflectors: Segmented, specular or hammertone finish. Reflectors are field interchangeable.

Electrical

Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W

and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Horizontal porcelain socket (WFL2 medium-base, WFL3 mogul-base) with copper alloy, nickel-plated screw shell and center contact. UL Listed 660W, 600V 4KV pulse rated.

Installation

Steel mounting plate attaches directly to industry standard junction box. Mounting plate includes provision for attachment independent of junction box (required for WFL3). Optional backbox wall mounting available for surface conduit applications.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and wet locations. IP65 rated.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: WFL2 100M FT 120 LPI

Series	Lamp type ¹	Distribution ¹	Voltage	Ballast	Mounting			
WFL2	High pressure sodium ²	100M²	Metal halide ceramic³	GZ Wall grazing	HPN Narrow asymmetric	120	(blank) Magnetic ballast	Ships installed
WFL3	70S	150M	70MHC^{2,3}	SP Spot	HPW Wide asymmetric	208 ⁹	CWI Constant wattage isolated ¹¹	(blank) Mounting plate (std.)
	100S	175M⁴	100MHC²	BP Bi-peak symmetric ⁸	RM Medium symmetric	240 ⁹	SCWA Super CWA ballast	Ships separately ^{12,13,14}
	150S	200M⁵	150MHC	FT Forward throw	RN Narrow symmetric	277		BBW Surface-mounted back box
	250S	250M		HPM Medium asymmetric	RW Wide symmetric	347		
	400S	320M⁵				480⁹		
	<u>Metal halide</u>	350M^{5,6}				TB¹⁰		
	70M^{2,3}	400M⁶				23050HZ¹¹		

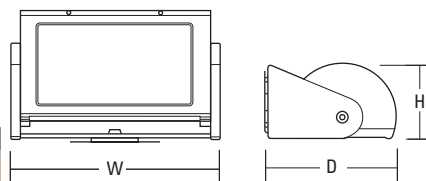
Options	Finish	Lamped
Ships installed	(blank) Dark bronze	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	DWH White	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	DBL Black	
EC Emergency circuit ¹⁵	DMB Medium bronze	
QRS Quartz restrike system ¹⁵	DNA Natural aluminum	
PE Photoelectric cell - button type ¹⁶	DGYL Gray	
LC90 Lock at 90 degrees for full cutoff	CR Enhanced corrosion resistance	
CSA Meets Canadian standards	CRT Non-stick protective coating (black)	
NOM Meets Mexican standards (consult factory)		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
WFL2	70S, 70M, 70MHC, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M	SP, BP, RN, RM, RW, HPN, HPM, HPW, FT, GZ
WFL3	175M, 200M, 250S, 250M, 320M, 350M, 400S, 400M	SP, RN, RM, RW, HPN, HPM, HPW, FT, GZ

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	WFL2	WFL3
EPA:	1.3 ft ² (0.12 m ²)	2.0 ft ² (0.19 m ²)
Height:	6-3/4 (17.1)	8-3/4 (22.3)
Width:	18-1/2 (47.0)	21-1/2 (54.6)
Depth:	11-3/4 (29.6)	14-3/4 (37.5)
Max weight:	25 lbs (11.3 kg)	39 lbs (17.7 kg)

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- Not available with 480V.
- Not available with WFL2 SCWA.
- Must be ordered with SCWA.
- Requires ED-28 reduced jacket lamp.
- Not applicable with L/LP.
- WFL2 only.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V).
- In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- May be ordered as an accessory.
- Must specify finish.
- Prefix with WFL and size (e.g., WFL2BBW).
- WFL3 only. Maximum allowable wattage lamp included.
- Must be ordered with fixture; cannot be field installed.
- Not available 347V, 480V, or TB.
- Prefix with KFLWFL and size (e.g., KFLWFL2BVG).

LAMP/FIXTURE DATA						
LAMP TYPE	NEMA DIST.	CIRCUIT	LAMP SHAPE	BASE	BEAM SPREAD	H° x V°
150S	SP	HX-HPF	E17	Medium	142x127	7x6
150S	HPW	HX-HPF	E17	Medium	39x12	3x1
400S	SP	CWA	ET18	Mogul	60x13	4x1
400S	HPW	CWA	ET18	Mogul	144x140	7x7
175M	SP	CWA	ED17	Medium	27x15	2x1
175M	HPW	CWA	ED17	Medium	147x127	7x6
400M	SP	CWA	BT28	Mogul	42x17	3x1
400M	HPW	CWA	BT28	Mogul	146x140	7x7

KL

Intended Use

For use in site walls or as stair lighting.

Construction

Housing: One-piece, cast-aluminum housing (alloy contains less than 0.2% copper) with integral splice compartment (46 cu. in.); four 3/4" NPT conduit entries. Lens is one-piece, injection-molded, UV-stabilized polycarbonate, .125" minimum thickness. Tooled-in, stippled texture on non-optical portions. Die-cut, closed-cell EPDM gasket.

Housing is shipped separately from lens/reflector/power module. Stainless steel, captive, Philips-type fasteners (tamper-resistant fasteners also provided). Standard lens finish is dark bronze enamel (painted on both inside and outside of non-optical portion). Black, white and natural aluminum finishes also available. Housing finish is clear polyester powder for corrosion protection. Recessed concrete cast in place is standard; optional mountings available.

Optics

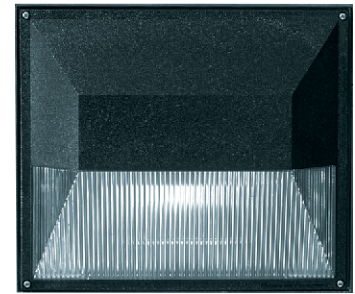
Optics: Reflectors are anodized, hydroformed aluminum. Two distributions available: A (for uniform symmetrical area lighting) and D (for left or right directional-throw area lighting, featuring a unique bi-adjustable socket assembly that can be field-adjusted up or down to provide maximum light distribution on stairway plane).

Electrical

Electrical: All ballasts are 100% factory-tested. Electrical components are unitized on removable power module. Positive-locking disconnect on primary and secondary circuits. Medium-base porcelain socket, 4KV pulse rated.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for wet locations.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

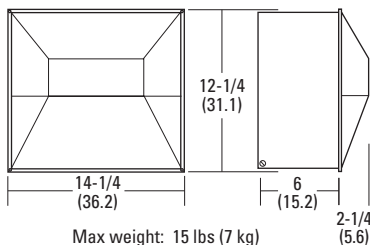
Example: KL 100M A TB LPI

Series	Lamp type ¹	Distribution	Voltage	Ballast	Mounting
KL	High pressure sodium	A Area D Directional	120	(blank) Magnetic ballast	(blank) Stud wall mount BBS (std.) BBW Surface-mounted back box BBF Pendant mount (flat surface) BBR Recessed BBR (ceiling, soffit mount)
	50S		208 ³	CWI Constant wattage isolated ⁵	
	70S		240 ³		
	100S		277		
	Metal halide		347		
70M	TB⁴				
100M			23050HZ ⁵		
Incandescent					
I ²					
Options				Finish	Lamped
Ships installed				(blank) Dark bronze	LPI Lamp included ⁸
SF	Single fuse, 120V, 277V, 347V		DWH White	L/LP Less lamp	
DF	Double fuse, 208V, 240V		DBL Black		
EC	Emergency circuit ⁶		DNA Natural aluminum		
QRS	Quartz restrike system ⁶				
PE	Photoelectric cell - button type ⁷				
CSA	Meets Canadian standards				

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- For inverted mounting application, 70W max.
- 150W A21 max. in A distribution. 100W A21 max. in D distribution. 120V only.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- Maximum allowable wattage lamp included.
- Must specify voltage. Only available with BBW, BBF. Not available in 347V or TB.
- Not available with incandescent.

TWH



Intended Use
For outdoor storage areas, warehouse and factory perimeters, and loading docks. **Not recommended for applications with frequent exposure to harsh chemicals or commercial cleaning fluids (e.g., car washes). Installations in such environments may lead to premature failure of the luminaire and void the warranty.**

Construction
Housing: Rugged, die-cast aluminum housing. Corrosion-resistant captive external hardware includes slotted hex-head fasteners.

Finish: Dark bronze polyester powder finish standard. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics
Reflector is specular anodized aluminum. Refractor is prismatic borosilicate glass. Lens is sealed and gasketed to inhibit entrance of outside contaminants.

Electrical
Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH:150W and below are standard with pulse-start ignitor technol-

ogy. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S. Compact fluorescent uses an electronic high-frequency ballast.

High-frequency generator for induction.

Socket: Horizontally oriented, mogul-base porcelain socket for 175W and above, medium base for 150W and below, with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V, 4KV pulse rated. Fluor-

rescent is four-pin positive latching thermoplastic. LPI is standard 35K for CFL.

Installation
Back housing is separated from front housing, eliminating ballast weight and promoting easy handling. Top 3/4" threaded wiring access. Back access through removable 3/4" knockout. Mount on any flat, non-combustible vertical surface.

Listings
UL Listed (standard). CSA or NOM Certified (see Options). UL Listed for 25°C ambient and wet locations. IP65 rated (250W and below) or IP54 rated (400W).



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

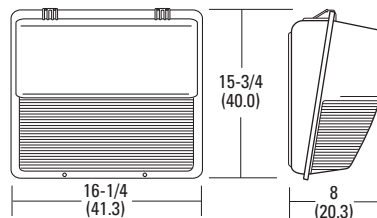
Example: TWH 250S TB LPI

Series	Lamp type				Voltage	Ballast
TWH	<u>High pressure sodium</u>	<u>Metal halide</u>	<u>Metal halide ceramic⁶</u>	<u>Induction¹</u>	120	(blank) Magnetic ballast
	70S	70M ^{1,2}	70MHC ^{1,2}	70IL	208 ⁹	CWI Constant wattage isolated ¹²
	100S	100M ¹	100MHC ¹	100IL	240 ⁹	SCWA Super CWA ballast
	150S	150M	150MHC	<u>Low pressure sodium^{1,7}</u>	277	
	200S	175M³	<u>Compact fluorescent¹</u>	35L	347	
	250S	200M ⁴	2/26DTT	<u>Incandescent^{1,8}</u>	480 ⁹	TB¹⁰
	400S	250M	2/26TRT	300I	MVOLT ¹¹	23050HZ ¹²
		320M ^{4,5}	2/32TRT			
		350M ^{4,5}	2/42TRT			
		400M⁵				
Options					Finish	Lamped
<u>Ships installed</u>					(blank) Dark bronze	LPI Lamp included ¹⁷
SF	Single fuse, 120V, 277V, 347V	PE	Photoelectric cell - button type ¹⁴	<u>Ships separately¹⁶</u>	DWH White	L/LP Less lamp
DF	Double fuse, 208V, 240V, 480V	PER	NEMA twist-lock receptacle only ¹⁵	VG Vandal guard	DBL Black	
GMF	Internal slow-blow fusing	FS	Full shield	WG Wire guard	DMB Medium bronze	
EC	Emergency circuit ¹³	TP	Tamperproof fasteners		DNA Natural aluminum	
QRS	Quartz restrike system ¹³	CSA	Meets Canadian standards		DSS Sandstone	
QRSD	QRS time delay ¹³	NOM	Meets Mexican standards (consult factory)		CR Enhanced corrosion resistance	
		INTL	Available for MH probe start shipping outside the U.S.		CRT Non-stick protective coating (black)	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

LAMP/FIXTURE DATA			
LAMP TYPE	CIRCUIT	LAMP SHAPE	BASE
70S	HX-HPF	E17	Medium
100S	HX-HPF	E17	Medium
150S	HX-HPF	E17	Medium
250S	CWA	BT28	Mogul
400S	CWA	BT28	Mogul
150M	HX-HPF	E17	Medium
175M	CWA	BT28	Mogul
250M	CWA	BT28	Mogul
400M	CWA	ED or BT28	Mogul

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Weight: 26-42 lbs (11.7-19 kg)

Notes

- Not available with SCWA.
- Not available 480V.
- Universal, mogul base lamp allows TWH to be available with SCWA.
- Must be ordered with SCWA.
- Requires ED or BT 28 reduced jacket lamp.
- Not applicable with L/LP.
- Not available TB.
- 120V only, A21 lamp (not included).
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Optional multi-volt electronic ballast (for compact fluorescent or induction wattages only) capable of operating on any line voltage from 120V-277V.
- Consult factory for available wattages.
- Maximum allowable wattage lamp included.
- Must be ordered with fixture; cannot be field installed. Not available with 347, 480 or TB.
- Photocell not included.
- May be ordered as accessory. Prefix with fixture name (e.g., TWHWG).
- Not available with incandescent.

TWP



Intended Use
For entrances, loading docks, walkways and vehicle ramps.
Not recommended for applications with frequent exposure to harsh chemicals or commercial cleaning fluids (e.g., car washes). Installations in such environments may lead to premature failure of the luminaire and void the warranty.

Construction
Housing: Rear housing is rugged, die-cast aluminum. Corrosion-resistant, captive external hardware includes slotted hex-head and tamperproof fasteners. Finish is dark bronze (DDB)

corrosion-resistant polyester powder.
Optics
Reflector is aluminum, finished in white enamel. Front housing and refractor are one-piece, injection-molded, UV-stabilized polycarbonate. Standard finish: front cover has an opaque lower portion and dark bronze painted upper portion; back housing is dark bronze polyester. Refractor is sealed and gasketed to inhibit the entrance of outside contaminants.

Electrical
Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant

wattage autotransformer for 175W. MH: 150W and below are standard with pulse-start ignitor technology. CSA, NOM or INTL required for probe start shipments outside the U.S. for 175M. Not available in 175M with SCWA. Compact fluorescent uses an electronic high-frequency ballast.
Socket: Glazed porcelain medium based (mogul based 175W), horizontally oriented with copper alloy, nickel-plated screw shell and center contact. UL Listed 660W, 600V for medium base; 1500W, 600V for mogul base. 4KV pulse rated. Fluorescent is four-pin positive latching

thermoplastic. LPI is standard 35K for CFL.
Installation
Top 3/4" threaded wiring access. Back access through 3/4" opening. For feed-thru wiring, use conduit tee (not included). Mount on any flat, non-combustible vertical surface.
Listings
UL Listed (standard). CSA or NOM Certified (see Options). UL Listed for 25°C ambient and wet locations. IP65 rated.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: TWP 150M TB LPI

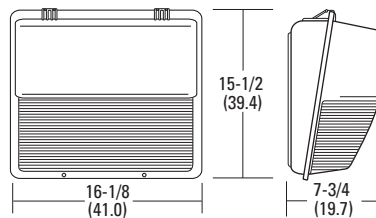
Series	Lamp type ¹	Voltage	Ballast
TWP	<u>High pressure sodium</u>	120	(blank) Magnetic ballast
	35S ²	208 ⁷	CWI Constant wattage isolated ¹⁰
	50S	240 ⁷	SCWA Super CWA ballast ¹¹
	70S	277	
	100S	347	
	150S	480 ⁷	
		TB⁸	
		MVOLT ⁹	
		23050HZ ¹⁰	

Options	Finish	Lamped
Ships installed	(blank) Dark bronze	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	DWH White	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	DBL Black	
GMF Internal slow-blow fusing ¹²	DMB Medium bronze	
ELDWC Cold-weather emergency battery pack ¹³	DNA Natural aluminum	
EC Emergency circuit ¹⁴	DSS Sandstone	
QRS Quartz restrrike system ¹⁴	CR Enhanced corrosion resistance	
	CRT Non-stick protective coating (black)	

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

LAMP/FIXTURE DATA			
LAMP TYPE	CIRCUIT	LAMP SHAPE	BASE
35S	RHP	E17	Medium
50S	RHP	E17	Medium
70S	XHP	E17	Medium
100S	XHP	E17	Medium
150S	XHP	E17	Medium
50M	HX-HPF	E17	Medium
70M	HX-HPF	E17	Medium
100M	HX-HPF	E17	Medium
150M	HX-HPF	E17	Medium
175M	CWA	BT28	Mogul
35L	HPF-LAG	T17	Medium

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Weight: 17.9 lbs (8.1 kg)

Notes

- 1 Not available with SCWA.
- 2 120V only.
- 3 Not available with 480V.
- 4 Not available with SCWA. Requires CSA, NOM, or INTL.
- 5 Not applicable with L/LP.
- 6 120V only. A21 lamp (not included).
- 7 Must specify CWI for use in Canada; n/a 35S or 50S.
- 8 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- 9 Multi-volt electronic ballast (compact fluorescent only) capable of operating on any line voltage between 120V and 277V.
- 10 Consult factory for available wattages.
- 11 Only available with 150M or 150MHC.
- 12 CFL only. Must specify voltage. Not available with MVOLT.
- 13 Must specify voltage. -20°C to 55°C operation. Not available with DC or EC.
- 14 Maximum allowable wattage lamp included.
- 15 Not available with 347V, 480V, or TB.
- 16 May be ordered as accessory: TWPWG.

TWA

Contour®



Intended Use

For entrances, stairwells, corridors and other pedestrian areas.

Not recommended for applications with frequent exposure to harsh chemicals or commercial cleaning fluids (e.g. car washes). Installations in such environments may lead to premature failure of the luminaire and void the warranty.

Construction

Housing: Rear housing is rugged, die-cast aluminum. Front cover is one-piece, UV-resistant, injection-molded polycarbonate, internally painted. Captive external hardware is treated

for corrosion resistance and includes slotted hex-head and tamper-proof fasteners. Finish is dark bronze (DDB) corrosion-resistant polyester powder.

Optics

Front housing and refractor are one-piece, injection-molded, UV-stabilized polycarbonate. High-performance optical system consists of specular anodized segmented reflector and computer-designed prism pattern. Standard finish is dark bronze polyester enamel. Front cover sealed with one-piece, high-temperature silicone gasket to inhibit entrance of outside contaminants.

Electrical

Components are mounted to the cast-aluminum housing, promoting maximum heat dissipation. Ballast: All ballasts are 100% factory tested. MH: High reactance, high power factor for 150W and below. 150W and below are standard with pulse-start ignitor technology. HPS: Reactor normal power factor standard for 120V, HPF available (XHP option). Other voltages are high power factor standard. Fluorescent ballasts are electronic HPF (26 DTT and TRT).

Socket: HID is porcelain, horizontally oriented, medium-base socket with copper alloy, nickel-plated screw

shell and center contact. (UL Listed 660W, 600V and 4KV pulse rated.) Fluorescent is four-pin positive latching thermoplastic. LPI is standard 35K for CFL.

Installation

Top 1/2" threaded wiring access. Back access through 3/4" opening. For feed-thru wiring, use condulet tee (not included). Mount on any flat, non-combustible vertical surface.

Listings

UL Listed (standard). CSA or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TWA 100M 120 LPI

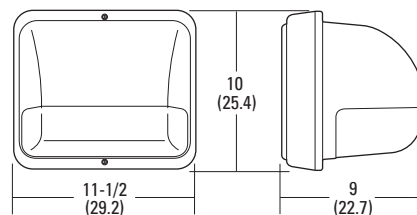
Series	Lamp type		Voltage	Ballast
TWA	<u>High pressure sodium</u>	<u>Metal halide</u>	<u>Compact fluorescent</u>	(blank) Magnetic ballast
	35S ¹	50M	26DTT	CWI Constant wattage isolated ¹
	50S ²	70M	26TRT	XHP High reactance (lag), high power factor
	70S²	100M	32TRT	
	100S²	<u>Metal halide ceramic³</u>	42TRT	
		50MHC		277
		70MHC		347
	100MHC		TB⁵	
			MVOLT⁶	
			23050HZ ⁷	
Options			Finish	Lamped
<u>Ships installed</u>			(blank) Dark bronze	LPI Lamp included
SF	Single fuse, 120V, 277V, 347V	CSA Meets Canadian standards	DWH White	L/LP Less lamp
DF	Double fuse, 208V, 240V	NOM Meets Mexican standards (consult factory)	DBL Black	
GMF	Internal slow-blow fusing ⁸	<u>Ships separately</u>	DMB Medium bronze	
EC	Emergency circuit ⁹	WG Wire guard ¹¹	DNA Natural aluminum	
QRS	Quartz restrrike system ⁹		DSS Sandstone	
PE	Photoelectric cell - button type ¹⁰		CR Enhanced corrosion resistance	
			CRT Non-stick protective coating (black)	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

LAMP/FIXTURE DATA			
LAMP TYPE	CIRCUIT	LAMP SHAPE	BASE
35S	RNPF	E17	Medium
50S	RNPF	E17	Medium
70S	RNPF	E17	Medium
100S	RNPF	E17	Medium
50M	HX-HPF	E17	Medium
70M	HX-HPF	E17	Medium
100M	HX-HPF	E17	Medium
26DTT	Electronic, HPF	T4	GX32D-3
32TRT	Electronic, HPF	T4	GX24Q-3
42TRT	Electronic, HPF	T4	GX24Q-3

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Max weight: 10 lbs (4.5 kg)

Notes

- 120V, NPF only.
- 120V RNPF is standard; 208V, 240V, 277V, 347V, and TB are high-reactance power factor.
- Not applicable with L/LP.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Optional multi-volt electronic ballast (compact fluorescent only) capable of operating on any line voltage from 120V-277V.
- Consult factory for available wattages.
- CFL only. Must specify voltage. Not available with MVOLT.
- Maximum wattage lamp included.
- Must specify voltage. Not available in 347V or TB.
- May be ordered as an accessory: TWA WG.

TWAC

Contour®



Intended Use

For entrances, stairwells, corridors and other pedestrian areas. **Not recommended for applications with frequent exposure to harsh chemicals or commercial cleaning fluids (e.g., car washes). Installations in such environments may lead to premature failure of the luminaire and void the warranty.**

Construction

Housing: Rear housing is rugged, die-cast aluminum. Front cover is one-piece, UV-resistant, injection-molded polycarbonate, internally painted. Captive external hardware is treated for corrosion resistance and

includes slotted hex-head and tamper-proof fasteners. Finish is dark bronze (DDB) corrosion-resistant polyester powder.

Optics

Front housing and refractor are one-piece, injection-molded, UV stabilized polycarbonate. One-piece, die-formed reflector is diffused aluminum. Refractor is clear polycarbonate, providing IES cutoff distribution and maximum lateral light output. Standard finish is dark bronze polyester enamel. Front cover sealed with one-piece, high temperature silicone gasket to inhibit entrance of outside contaminants.

Electrical

Components are mounted to the cast-aluminum housing, promoting maximum heat dissipation. Ballast: All ballasts are 100% factory tested. MH: High reactance, high power factor for 150W and below. 150W and below are standard with pulse-start ignitor technology. HPS: Reactor normal power factor standard for 120V, HPF available (XHP option). Other voltage are high power factor standard. Fluorescent ballasts are electronic HPF (26 DTT and TRT).

Socket: HID is porcelain, horizontally oriented, medium-base socket with copper alloy, nickel-plated screw

shell and center contact. (UL Listed 660W, 600V and 4KV pulse rated.) Fluorescent is four-pin positive latching thermoplastic. LPI is standard 35K for CFL.

Installation

Top 1/2" threaded wiring access. Back access through 3/4" opening. For feed-thru wiring, use conduit tee (not included). Mount on any flat, non-combustible vertical surface.

Listings

UL Listed (standard). CSA or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TWAC 100S 120 LPI

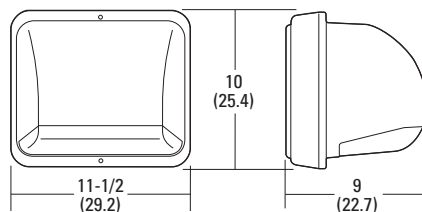
Series	Lamp type	Voltage	Ballast	Options
TWAC	High pressure sodium	120 208 ³ 240 ³ 277 347 TB ⁴ MVOLT ⁵ 23050HZ ⁶	(blank) Magnetic ballast CWI Constant wattage isolated ⁶ XHP High reactance (lag), high power factor ⁷	Ships installed
	Compact fluorescent			SF Single fuse, 120V, 277V, 347V
	35S ¹			DF Double fuse, 208V, 240V
	50S ²			GMF Internal slow-blow fusing ⁸
	70S ²			EC Emergency circuit ⁹
	100S ²			QRS Quartz restrike system ⁹
	Metal halide			
	50M			
	70M			
	100M			
Options (continued)				Finish
DC12	Emergency circuit 12V; 35W lamp included ¹⁰	PE Photo electric cell - button type ¹¹	(blank) Dark bronze	LPI Lamp included
2DC12	Emergency circuit 12V; two 35W lamps included ¹⁰	CSA Meets Canadian safety standards	DWH White	L/LP Less lamp
DC2012	Emergency circuit 12V; 20W lamp included ¹⁰	NOM Meets Mexican standards (consult factory)	DBL Black	
2DC2012	Emergency circuit 12V; two 20W lamps included ¹⁰	Ships separately ¹²	DMB Medium bronze	
		WG Wire guard	DNA Natural aluminum	
			DSS Sandstone	
			CR Enhanced corrosion resistance	
			CRT Non-stick protective coating (black)	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

LAMP/FIXTURE DATA			
LAMP TYPE	CIRCUIT	LAMP SHAPE	BASE
35S	RNPF	E17	Medium
50S	RNPF	E17	Medium
70S	RNPF	E17	Medium
100S	RNPF	E17	Medium
50M	HX-HPF	E17	Medium
70M	HX-HPF	E17	Medium
100M	HX-HPF	E17	Medium
26DTT	Electronic, HPF	T4	GX32D-3
32TRT	Electronic, HPF	T4	GX24Q-3
42TRT	Electronic, HPF	T4	GX24Q-3

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Max. weight: 10 lbs (4.5 kg)

Notes

- 120V, NPF only.
- 120V RNPF is standard; 208/240/277/347V and TB are high reactance, high power factor.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Optional multi-volt electronic ballast (compact fluorescent only) capable of operating any line voltage from 120V-277V.
- Consult factory for available wattages.
- Only available with 120V.
- CFL only. Must specify voltage. Not available with MVOLT.
- Maximum wattage lamp included.
- HID only, n/a QRS, EC or NOM.
- Must specify voltage. Not available 347 or TB.
- May be ordered as an accessory: TWACWG

TWR



Intended Use

For mounting above entry-ways and loading docks. **Contact with a direct forceful spray of water during operation can result in glass breakage. Not recommended for car wash applications.**

Construction

Housing: Rugged, die-cast aluminum back housing and hinged doorframe. Castings are sealed with a one-piece gasket to inhibit the entrance of external contaminants. Finish is bronze polyester powder paint standard.

Optics

(TWR1, TWR2) Refractor is

prismatic borosilicate glass. Reflector is die-formed anodized stippled aluminum. TWR1 medium-base lamp and TWR2 mogul-base lamp included in carton as standard.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: High reactance, high power factor for 150W and below. Constant wattage autotransformer 250W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option). Compact

fluorescent uses an electronic high-frequency ballast.

Socket: Porcelain, medium-base socket for TWR1, mogul-base socket for TWR2, with copper alloy nickel-plated screw shell and center contact. Fluorescent is four-pin positive latching thermoplastic. LPI is standard 35K for CFL.

Installation

Housing configured for mounting directly over a standard 4" outlet box or for surface wiring via any of three convenient 3/4" threaded conduit entry hubs.

Listings

UL Listed standard to U.S. and Canadian safety standards. CSA Certified (see Options). UL/C-UL Listed for wet locations.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TWR1 150S TB LPI

Series	Lamp type ¹	Ballast	Options	Finish	Lamped	
TWR1	High pressure sodium	Metal halide	120	(blank) Photoelectric cell - button type ⁸	(blank) Dark bronze	LPI Lamp included
TWR2	70S	70M	TB⁴	CSA Meets Canadian standards		
	100S	100M	MVOLT⁵	WG Wire guard ⁹		
	150S	150M	120/347 ⁶			
	250S	250M²				
	400S	400M²				
		Compact fluorescent				
		2/42TRT³				

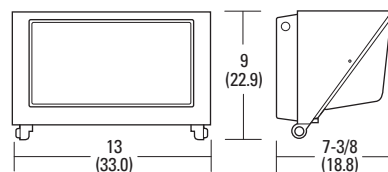
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS	
SERIES	LAMP TYPE
TWR1	70S, 70M, 100S, 100M, 150S, 150M, 2/42TRT
TWR2	250S, 250M, 400S, 400M

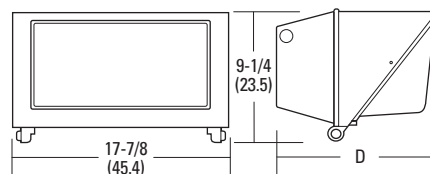
ACCESSORIES	
ORDER SEPARATELY	
TWR1WG	Wireguard
TWR2WG	Wireguard
RK1 TWR1FA	Lens repair kit
RK1 TWR2FA	Lens repair kit

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Weight: 18 lbs (8.1 kg)

TWR1



	250W	400W
Depth:	9-3/8 (23.8)	12-1/2 (31.8)
Weight:	26 lbs (11.8 Kg)	31 lbs (14Kg)

TWR2

Notes

- 1 Specify lamp type. See Configurations table.
- 2 Must be ordered with SCWA option.
- 3 Available with MVOLT or 120V with PE only.
- 4 Optional multi-tap ballast (120V, 208V, 240V, 277V).
- 5 Only available with 2/42TRT.
- 6 Only available with CSA.
- 7 Only available for 250M and 400M.
- 8 Available with 250M, 400M, 2/42TRT (120V) only. Consult factory for other wattage/voltage availability.
- 9 May be ordered as an accessory. Prefix with fixture name and size (e.g., TWR1WG).

TWRC



Intended Use

For building- and wall- mounted applications. **Contact with a direct forceful spray of water during operation can result in glass breakage. Not recommended for car wash applications.** Cannot be inverted.

Construction

Housing: Rugged, die-cast aluminum back housing and hinged doorframe. Castings are sealed with a one-piece gasket to inhibit the entrance of

external contaminants. Finish is bronze polyester powder paint standard.

Optics

Tempered glass lens and one-piece anodized aluminum reflector provide IES cutoff distribution. Optional full cutoff visor available. Lens tilted 30° up horizontal.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: High reactance, high power factor

for 150W and below. Constant wattage autotransformer 250W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option).

Socket: Porcelain, medium-base socket for TWR1C, mogul-base socket for TWR2C, with copper alloy nickel-plated screw shell and center contact.

Installation

Housing configured for mounting directly over a standard 4" outlet box or for surface wiring via any of three convenient 3/4" threaded conduit entry hubs (tops and sides).

Listings

UL Listed to U.S. and Canadian safety standards. CSA Certified (see Options). UL/C-UL Listed for wet locations.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TWR1C 100M TB LPI

Series	Lamp type ¹	Voltage	Ballast	Options	Lamped
TWR1C	High pressure sodium	250S	100M	120	(blank) Magnetic ballast
TWR2C	70S	400S	150M	TB ³	SCWA Super CWA ballast ⁵
	100S	Metal halide	250M ²	120/347 ⁴	
	150S	70M	400M ²		
				Ships installed	Ships separately
				PE Photoelectric cell - button type ⁶	FCV Full cutoff visor ⁷
				CSA Meets Canadian standards	WG Wire guard ⁷
					LPI Lamp included

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS

SERIES	LAMP TYPE
TWR1C	70S, 70M, 100S, 100M, 150S, 150M
TWR2C	250S, 250M, 400S, 400M

DIMENSIONS

Dimensions are shown in inches (centimeters) unless otherwise noted.

	TWR1C	TWR2C
Height	10-1/4 (26.0)	14-1/2 (36.8)
Width	13 (33.0)	17-7/8 (45.4)
Depth	8-1/2 (21.6)	10 (25.4)
Max. weight	18 lbs (8.1kg)	25 lbs (11.3kg)

ACCESSORIES

ACCESSORIES	ORDER SEPARATELY
TWR1CWG	Size 1 wireguard
TWR2CWG	Size 2 wireguard
RK1 TWR1CFA	Size 1 lens repair kit
RK1 TWR2CFA	Size 2 lens repair kit
TWR1C FCV	Size 1 full cutoff visor
TWR2C FCV	Size 2 full cutoff visor

Notes

- Specify lamp type. See configurations table.
- Must be ordered with SCWA option.
- Optional multi-tap ballast (120V, 208V, 240V, 277V).
- Only available with CSA.
- Only available for 250M and 400M.
- Available with 250M, 400M, 400S (120V) only. Consult factory for other wattage/voltage availability.
- May be ordered as an accessory. Prefix with fixture name and size (e.g., TWR1CWG or TWR1C FCV).

PRODUCT INFORMATION

TWRS



Intended Use

For building- and wall-mounted applications. **Contact with a direct forceful spray of water during operation can result in glass breakage. Not recommended for car wash applications.**

Construction

Housing: Rugged, die-cast

aluminum back housing and hinged door frame. Castings are sealed with a one-piece gasket to inhibit the entrance of external contaminants. Finish is bronze polyester powder paint standard.

Optics

Tempered glass lens and one-piece anodized aluminum reflector provide IES full

cutoff distribution. Medium-base lamp included in carton as standard.

Electrical

Quad-tap, high reactance, high power factor is 100% factory tested.

Installation

Housing configured for mounting directly over a standard 4" outlet box or

for surface wiring via any of three convenient 3/4" threaded conduit entry hubs.

Listings

UL Listed to U.S. and Canadian safety standards. UL/C-UL Listed for wet locations. Not available in Canada.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TWR1S 100M TB LPI

Series	Lamp type	Voltage	Lamped
TWR1S	High pressure sodium	Metal halide	LPI Lamp included
	150S	100M	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

DIMENSIONS

Dimensions are shown in inches (centimeters) unless otherwise noted.

Height	16-1/2 (41.9)
Width	12-1/4 (31.2)
Depth	10-3/4 (27.3)
Max. weight	15.5 lbs (7.0kg)

Notes

- Optional multi-tap ballast (120V, 208V, 240V, 277V).

TWS

Intended Use

For entrances, stairwells, corridors and other pedestrian areas.

Construction

Housing: Cast aluminum backplate on which electrical components are mounted for maximum heat dissipation. Gasketing between backplate and front cover prevents entry of water and contaminants. External hardware includes Phillips head and tamperproof hex-head fasteners. Finish is dark bronze.

Optics

Front cover/refractor is injection-molded, one-piece, UV stabilized polycarbonate. The optical system is sealed and gasketed to inhibit the entrance of outside contaminants.

Electrical

35-70W HPS and 50W MH use a 120V normal power factor ballast, and lamp is included as standard. The 13W compact fluorescent uses a 120V electro-magnetic ballast and includes a twin-

tube fluorescent lamp as standard. The 26-42W compact fluorescent uses a multi-volt electronic ballast. Options include 120-277V operation and 26W, 32W or 42W triple-tube fluorescent lamp (not included).

Socket: HID: Medium-base porcelain socket, vertically oriented with copper alloy nickel-plated screw shell and center contact. (UL Listed 660W, 600V). CFL: The 26-42W fluorescent uses a universal 4-pin socket for 26W, 32W or

42W operation based on lamp choice. The 13W fluorescent uses a 2-pin socket.

Installation

Units for wall mounting include two 3/4" knockouts for routing electrical conduit back and bottom.

Listings

UL Listed to U.S. and Canadian safety standards. UL/C-UL Listed for wet locations.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TWS 50M 120 PE LPI

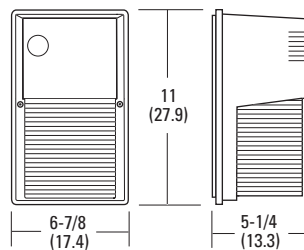
Series	Lamp type	Voltage	Options	Finish	Lamped ⁵	Packaging
TWS	High pressure sodium	120 MVOLT ²	Ships installed PE Photoelectric cell - button type ³ Ships separately WG Wire guard ⁴	(blank) Dark bronze DWH White	LPI Lamp included L/LP Less lamp	M6
	35S					
	50S					
	70S					
	Metal halide					
50M	13TT	26TRT¹	32TRT¹	42TRT¹		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

ACCESSORIES	
ORDER SEPARATELY	
RK1 PEB1	Photocell kit, (120V only)
TWSWG	Wireguard

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Weight: 4.9 lbs (2.2 kg)

Notes

- Ships as 26/42TRT. Operates 26-42W as standard base on lamp choice. Lamp not included.
- Not available with MH, HPS or 13TT.
- Not available with MVOLT.
- May be ordered as an accessory: TWSWG.
- LPI standard for HID or 13TT; L/LP standard for 26-42TRT.

PRODUCT INFORMATION

BUILDING MOUNTED



Intended Use

Building-mounted light for entrances, stairwells, corridors and other pedestrian areas.

Construction

W: Cast aluminum backplate with polycarbonate cover.
WC: Rugged, corrosion-resistant, die-cast aluminum back housing and hinged door frame. Dark bronze finish.

Optics

Anodized aluminum reflector.

Electrical

Ballast: W: 120V normal power factor. WC: Quad tap, high reactance, high power factor. Medium-base lamp included.

Installation

Housing configured for mounting directly over a standard 4" outlet box or for surface wiring via any of the convenient conduit entry hubs (W: Two 3/4" unthreaded knockouts, one each on bottom and back. WC: Four threaded 1/2"

plugs, one each side, top, and bottom.)

Listings

Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards. 25°C maximum ambient temperature. Fixtures are covered by Lithonia Lighting 12-month warranty against mechanical defects in manufacture.



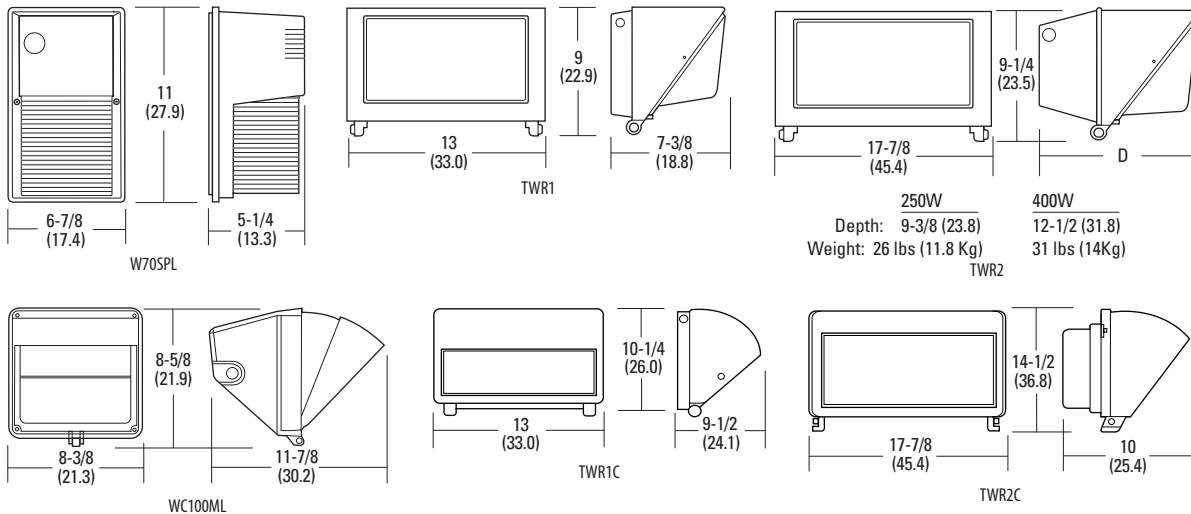
ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	WATTAGE	LAMP	VOLTAGE	FINISH	LAMP INCLUDED	PHOTOCELL INCLUDED	APPROXIMATE WEIGHT (LBS)	STANDARD CARTON QUANTITY
W70SPL 120 M6	Non-cutoff	70	HPS	120	Dark bronze	Y	Y	5	6
WC100ML M4	Cutoff	100	MH	120/208/240/277	Dark bronze	Y	N	10	4
TWR1 150M TB LPI	Non-cutoff	150	MH	120/208/240/277	Dark bronze	Y	--	18	1
TWR1C 150M TB LPI	Cutoff	150	MH	120/208/240/277	Dark bronze	Y	--	18	1
TWR2 250M TB SCWA LPI	Non-cutoff	250	MH	120/208/240/277	Dark bronze	Y	--	26	1
TWR2C 250M TB SCWA LPI	Cutoff	250	MH	120/208/240/277	Dark bronze	Y	--	21	1
TWR2 400M TB SCWA LPI	Non-cutoff	400	MH	120/208/240/277	Dark bronze	Y	--	31	1
TWR2C 400M TB SCWA LPI	Cutoff	400	MH	120/208/240/277	Dark bronze	Y	--	25	1

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Intended Use

Utility wall-, ceiling-, or pendant-mounted fixtures for general-purpose applications. Incandescent, fluorescent, metal halide, or high pressure sodium sources.

Construction

Vapor tights: Rugged, die-cast aluminum housing. Gray finish.

VRC: Rugged, die-cast aluminum housing. Dark bronze finish.

Optics

Vapor tights: Prismatic globe for even distribution.

VRC: Clear prismatic polycarbonate lens.

Electrical

Junction box included on vapor tights. Ballast: 120V for vapor tights; 120/277 for VRC.

Installation

Designed for easy installation and maintenance.

Vapor tights: 3/4" threaded knockouts allow for side or top conduit entry.

VRC: Three threaded 1/2" NPS plugs allow for conduit entry, or housing may be mounted over the outlet box.

Listings

Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards. Fixtures are covered by Lithonia Lighting 12-month warranty against mechanical defects in manufacture.

VAPOR TIGHTS & CEILING MOUNT UTILITY



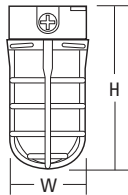
ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	WATTAGE	LAMP	VOLTAGE	LAMP INCLUDED	APPROX. WEIGHT (LBS)	STANDARD CARTON QUANTITY
VC150I M12	Vapor tight ceiling mount	150	Incandescent	120	N	2	12
VP150I M12	Vapor tight pendant mount	150	Incandescent	120	N	2	12
VW150I M12	Vapor tight wall mount	150	Incandescent	120	N	2	12
VC300I M6	Vapor tight ceiling mount	300	Incandescent	120	N	2	6
VP300I M6	Vapor tight pendant mount	300	Incandescent	120	N	2	6
VW300I M6	Vapor tight wall mount	300	Incandescent	120	N	2	6
VC42L M6	Vapor tight ceiling mount	42	Fluorescent	120	Y	6	6
VP42L M6	Vapor tight pendant mount	42	Fluorescent	120	Y	6	6
VW42L M6	Vapor tight wall mount	42	Fluorescent	120	Y	6	6
VC100ML M6	Vapor tight ceiling mount	100	MH	120	Y	9	6
VP100ML M6	Vapor tight pendant mount	100	NH	120	Y	8	6
VW100ML M6	Vapor tight wall mount	100	MH	120	Y	10	6
VC150SL M6	Vapor tight ceiling mount	150	HPS	120	Y	9	6
VP150SL M6	Vapor tight pendant mount	150	HPS	120	Y	8	6
VW150SL M6	Vapor tight wall mount	150	HPS	120	Y	10	6
VRC70ML 120/277 M6	Ceiling mount	70	MH	120/277	Y	9	6
VRC70SL 120/277 M6	Ceiling mount	70	HPS	120/277	Y	9	6

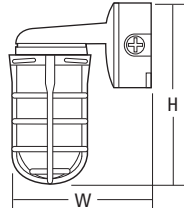
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

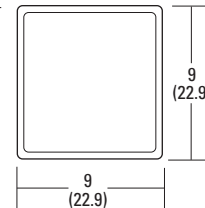
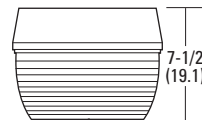
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	VC150I	VC300I	VC42L VC150SL VC100ML
Height:	9 (22.9)	11-3/8 (28.9)	14-7/8 (37.8)
Width:	4-1/2 (11.4)	5-3/4 (14.6)	7 (17.8)



	VW150I	VW300I	VW42L VW150SL VW100ML
Height:	10 (25.4)	11-7/8 (30.2)	15-1/2 (39.4)
Width:	7-1/4 (18.4)	8-3/4 (22.2)	8-3/4 (22.2)



PRODUCT INFORMATION

ENTRY LIGHTS

**Intended Use**

For entrances in motels, condominiums and other pedestrian areas.

Construction

Die-cast aluminum housing with electrostatically applied dark bronze polyester powder finish. White finish available.

Optics

Both white polycarbonate globe and cylinder-shaped lens are included with each fixture.

Electrical

Ballast: 120V.

Socket: Medium-base porcelain socket, vertically oriented with copper alloy, nickel-plated screw shell and center contact. Fluorescent 2-pin socket.

Installation

Building-mounted over junction box.

Listings

Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards. Fixtures are covered by Lithonia Lighting 12-month

warranty against mechanical defects in manufacture.

CONTRACTOR
SELECT

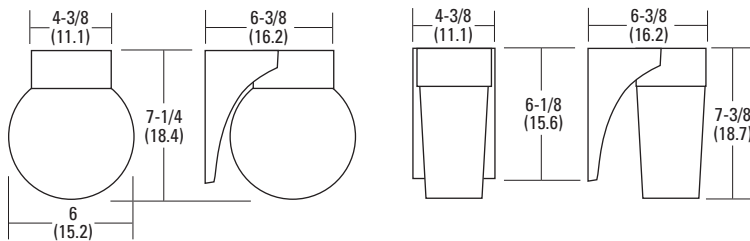
ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	WATTAGE	VOLTAGE	FINISH	LAMP INCLUDED	APPROXIMATE WEIGHT (LBS)	STANDARD CARTON QUANTITY
JJ100I M6	Incandescent entry light	100	120	Dark bronze	N	3	6
JJ100IW M6	Incandescent entry light	100	120	White	N	3	6
JJ13L 120 M6	Fluorescent entry light	13	120	Dark bronze	Y	3	6
JJ13IW 120 M6	Fluorescent entry light	13	120	White	Y	3	6
JJ50SL 120 M6	HPS entry light	50	120	Dark bronze	Y	4	6
JJ50SLW 120 M6	HPS entry light	50	120	White	Y	4	6

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PGR



Intended Use

For parking garage applications.

Construction

Upper housing: Rugged, die-cast aluminum with one-piece silicone gasketing. Standard finish is white, corrosion-resistant polyester powder paint. Other architectural colors available as listed below.

Lower Assembly: Precision injection-molded, UV stabilized acrylic. Hinged and secured with four stainless steel screws. Polycarbonate available.

Optics

Lower semi-specular, faceted, vacuum metalized aluminum reflector and upper-precision, injection-molded, prismatic acrylic refractor. Polycarbonate refractor available.

Electrical

Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-200W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S. Electronic MH: 180°C Class H insulation system. Ballast is high power factor, <15% THD with starting temperature of -22°F (-30°C). Compact Fluorescent: Ballast is Class P, electronic, high power factor, <10% THD with starting temperature of 0°F (-18°C). Induction: High-

Frequency Generator - Supplies high-frequency power to the discharge vessel (lamp) to initiate and maintain a gas discharge for a rated 100,000 hours of life (optimized for ambient temperatures ranging from -40° to 25°C; higher ambient temperatures may reduce lamp life). Power Coupler - Induction coil transfers energy from the generator to the discharge vessel. Discharge Vessel - Glass bulb contains a mixture of low-pressure mercury vapor and inert buffer gas. The wall of the discharge vessel is coated with a fluorescent powder which produces light at 3000K color and 80+ CRI.

Socket: Medium-base, UL Listed 660W, 600V, 4K socket. CFL sockets are high temperature thermoplastic with integral retention clip. LPI is standard 35K for CFL.

Installation

Mounting: Fully silicone-gasketed, galvanized steel plate. Surface mounts to recessed box or pendant mounts to industry standard J-boxes. The quick-mounting bracket doubles as a hanger for the fixture, allowing for trouble-free electrical connections. The fixture twist-locks into place in a firm, secure fashion.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for 25°C ambient operation and wet locations. U.S. Patent No. D402,075. Canadian patent No. 86779.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: PGR 100M TB LPI

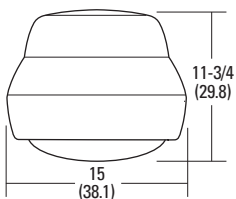
Series	Lamp type	Voltage	Ballast	Mounting	Options				
PGR	High pressure sodium ¹	175M	Electronic metal halide ^{2,5}	Induction ⁶	120	480 ^{7,8,9,10}	(blank) Magnetic ballast	Ships separately ¹⁵	Ships installed
	200M ³	50M	85IL	208 ^{7,8}	TB^{10,11}	CWI	YK Yoke	SF Single fuse, 120V, 277V, 347V	
	70S	Metal halide ceramic ⁴	85IL/40	240 ^{7,8}	23050HZ ¹²	CWI	OJB Offset junction box	DF Double fuse, 208V, 240V, 480V	
	100S	50MH ^{1,2}	70M	277⁸	MVOLT ¹³	SCWA Super CWA ballast	OJBHK Offset junction box (for use with HEB, CFL, IL)	GMF Internal slow-blow fusing	
	150S	70MH ^{1,2}	2/42TRT	347⁸	TVOLT ¹⁴	HEB	Electronic metal halide	EC Emergency circuit ¹⁶	
	Metal halide	100MH ¹	2/57TRT					QRS Quartz restrrike system ¹⁶	
	50M ^{1,2}	150MHC	2/70TRT					QRSTD QRS time delay ^{16,17}	
	70M ^{1,2}	85TRT						KW1 KiloWatch 120V control ¹⁸	
	100M¹							KW4 KiloWatch 277V control ¹⁸	
	150M								

Options (continued)		Finish	Lamped
TP	Tamperproof	(blank) White (std.)	LPI Lamp included
HS	House-side shield ^{19,20}	DDB Dark bronze	L/LP Less lamp
HSR	House-side glare shield ready ^{19,20}	DBL Black	LP Lamp factory installed
HA	High ambient (40°C) ^{20,21,22}	DGC Charcoal gray	
FLR	Frosted lower lens	DNA Natural aluminum	
DN	Downlight focused ^{8,10,19,21}	CR Enhanced corrosion resistance	
PC	Polycarbonate refractor/lower housing/lens	CRT Non-stick protective coating (black)	
CSA	Meets Canadian standards		
NOM	Meets Mexican standards (consult factory)		
INTL	Available for MH probe start shipping outside the U.S.		
	Ships separately ¹⁵		
BDS	Bird deterrent shroud		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Max. weight: 20 lbs (9.0 kg)

Notes

- Not available with SCWA.
- Not available with 480V.
- Must be ordered with SCWA option.
- Not applicable with L/LP.
- Must be ordered with HEB option. (For ceramic lamp, order as 50MHC or 70MHC).
- Must be ordered with LP option. Optimized for use in areas where ambient temperature does not exceed 20°C. Higher ambient temperatures may reduce lamp life.
- Must specify CWI for use in Canada.
- Not available with induction.
- Available in 150S, 175M and 200M only.
- Not available with compact fluorescent.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.

- Consult factory for available wattages.
- Optional multi-volt electronic ballast capable of operating on any line voltage from 120V-277V. Use for both compact fluorescent and electronic HID.
- Optional tri-volt electronic ballast capable of operating on any line voltage from 200V-277V. Available with induction only.
- May be ordered as an accessory. Must specify finish. Prefix with fixture name and size (e.g. PGRYK U).
- Maximum allowable wattage lamp included.
- Not available with KiloWatch.
- Available with 175M, 200M and 150S only.
- Not available with HA (high ambient) option.
- Not available with DN (downlight focused) option.
- Not available with HS (house-side glare shield).
- Not available with 200M.

PRODUCT INFORMATION

TGL TGR

Acrylume®



Intended Use

For areas that require optimum vertical illumination with glare control at low mounting heights. Ideal for parking garages, greenhouses, garden centers and low-profile industrial aisles.

Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.

Construction

Housing: Rugged, heavy, die-cast aluminum housing. Standard finish is natural aluminum polyester powder finish.

Induction lighting: High-frequency generator/ballast

supplies high-frequency current to the lamp to initiate and maintain a gas discharge for a rated 100,000 hours of life.

Optics

One-piece, injection-molded, 100% virgin acrylic refractor. TGL Type V (A165), Type II (A162), TGR Type V (A125) and Type I (A121) distributions are available. Polycarbonate refractor available. Consult factory.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: Constant wattage autotransformer. MH: 175-200W fixtures shipped within the U.S. require super CWA pulse start ballasts which are 88% efficient and EISA-legislation

compliant (must specify SCWA option). CSA, NOM or INTL options required for probe start shipments outside the U.S.

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center contact. For use with O-rated, protected metal halide lamps only.

Installation

Standard quick-mount attachment plate mounts to 4" square or octagonal J-box. **Factory installed pendant mount option (PM) available.**

Listings

TGL: UL Listed to U.S. and Canadian safety standards. NOM Certified. TGR: UL Listed and CSA Certified. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 40°C (100M); -30°C to 25°C (250M); -40°C to 25°C (85IL). UL wet location standard for 150W metal halide TGL / TGR. Optional for all other wattages.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TGL 200MP A165 TB SCWA

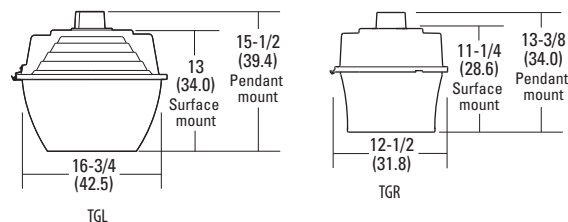
Series	Lamp type ⁶	Reflector	Voltage	Ballast	Options
TGL	<u>Protected metal halide</u>	<u>High pressure sodium</u>	A165	TB⁴	<u>Pulse start metal halide</u>
TGR	100MP	70S	120	For shipments to U.S. territories, SCWA must be specified to comply with EISA.	For options and accessories, see page 439.
	150MP	100S	208 ^{1,2,3}	SCWA Super constant wattage autotransformer	
	200MP	150S	A121	RLB Regulated Lag ballast	
		<u>Induction</u>	240 ^{1,2}	<u>Non-EISA ballast</u>	
		55IL	277	(blank) Standard magnetic ballast ⁵	
		85IL	347	CWA Constant wattage ⁵	
			480	CWI Constant wattage isolated ⁵	
			TVOLT ⁷	MRB Magnetic regular ballast	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

SERIES	REFLECTOR		LAMP TYPE
	TYPE V	TYPE II	
TGL	A165	A162	100MP, 150MP, 200MP, 70S, 100S, 150S, 55IL, 85IL
TGR	A125	A121	100MP, 70S, 100S, 150S
TGL	A165	A162	55IL, 85IL

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Requires CWI or RLB option in Canada for metal halide. Available for 175-250W only.
- Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-150W only.
- 220V and 240V, 50Hz and 60Hz ballasts available for use with U.S. protected metal halide lamps.
- Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
- Available for shipments outside of U.S. only. 150, 200W metal halide only.
- Specify lamp type and reflector, see configurations table.
- 55IL and 85IL only.

KPS



Intended Use
For parking garage applications.

Construction
Housing: Rugged, heavy-gauge aluminum housing. Square shape, continuous welded seams for weather-tight integrity.

Door Assembly: Extruded-aluminum doorframe has an impact-resistant, tempered glass lens. Doorframe is sealed to housing by EPDM closed-cell gasket.

Finish: Dark bronze (DDB) corrosion-resistant polyester powder finish standard. Additional architectural colors available; see

www.lithonia.com/archcolors. Stainless steel housing also available.

Optics
Reflectors are anodized, hydroformed aluminum. Four cutoff distributions available: Type II (roadway), Type III (asymmetric), Type IV (forward throw) and Type V (symmetric). Type V reflector is vertically lamped; all others horizontally lamped. Reflectors are field-interchangeable and hinge out for easy removal during installation/maintenance.

Electrical
Ballast: All ballasts are 100% factory tested. High reac-

tance, high power factor for 150W and below. Constant wattage autotransformer 175W. MH: 150W and below are standard with pulse-start ignitor technology. CSA, NOM or INTL required for probe start shipments outside the U.S. for 175M. Electrical components are unitized on removable power module. Positive-locking, quick-disconnect on primary and secondary circuits.

Socket: Medium-base porcelain socket standard. Mogul-base porcelain socket for 175W metal halide. 4KV pulse rated.

Installation
Direct mounting to recessed J-box is standard; yoke or recessed mountings optional. Housing will accommodate both top and side branch-circuit wiring and has internal splice compartment.

Listings
UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for damp locations. SS option: UL Listed for 25°C ambient and damp location. RMG option: UL Listed for recessed mounting, wet locations and covered ceilings only.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

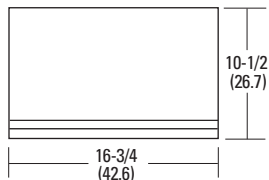
Example: KPS 100M R3 TB LPI

Series	Lamp type	Distribution	Voltage	Ballast	Mounting	
KPS	<u>High pressure sodium¹</u>	<u>Metal halide</u>	R2 Type II roadway	120	(blank) Magnetic ballast	<u>Ships installed</u>
	50S	100M¹	R3 Type III asymmetric	208 ³	CWI Constant wattage isolated ⁵	(blank) Ceiling mount (std.)
	70S	150M	R4 Type IV, FT	240 ³	SCWA Super CWA ballast	RMG Recessed mount 2"x2" (grid ceiling) ⁶
	100S	175M	R5 Type V symmetric	277		<u>Ships separately</u>
	150S	<u>Metal halide ceramic²</u>		347		YK Yoke ^{7,8,9}
		100MHC ¹		480 ³		
		150MHC		TB⁴		
				23050HZ ³		
	Options					
	<u>Ships installed</u>	KW4 KiloWatch 277V control ¹¹	INTL International shipment for 175M	(blank) Dark bronze (std.)	LPI Lamp included	
SF Single fuse, 120V, 277V, 347V	MOG Mogul base socket ¹²	<u>Ships separately</u>	DBL Black	L/LP Less lamp		
DF Double fuse, 208V, 240V, 480V	WL Wet location ⁷	VG Vandal guard ⁸	DGC Charcoal gray			
EC Emergency circuit ¹⁰	SS Stainless steel housing ⁶		DMB Medium bronze			
QRS Quartz restrike system ¹⁰	CSA Meets Canadian standards		DNA Natural aluminum			
KW1 KiloWatch 120V control ¹¹	NOM Meets Mexican standards (consult factory)		DWH White			
			CR Enhanced corrosion resistance			
			CRT Non-stick protective coating (black)			

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Max. weight: 36 lbs (16 kg)

Notes

- Not available with SCWA.
- Not applicable with L/LP.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- SS and RMG cannot be ordered together.
- Not available with RMG.
- May be ordered as an accessory. Prefix with fixture name (e.g., KPSYK U).
- Must specify finish.
- Maximum allowable wattage lamp included.
- Available with 175M SCWA only.
- Not available with metal halide.

PRODUCT INFORMATION

KACM



Intended Use

For parking garages, convenience stores, hotels and walkways.

For covered ceiling, mount on concrete, steel or aluminum. Not for use in dwellings.

Construction

Housing: Rugged, die-cast, soft-corner aluminum housing with 0.12" nominal wall thickness. Die-cast aluminum doorframe has prismatic, impact-resistant, tempered glass; drop dish acrylic lens or drop dish polycarbonate lens. Doorframe is fully gasketed with one-piece tubular silicone. Surface mounted utiliz-

ing four 0.5" mounting holes and one 0.875" wire-entry hole (mounting hardware not included). Dark bronze (DDB) corrosion-resistant polyester powder finish is standard. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

Reflector is optical-quality aluminum that works in tandem with a light-diffusing prismatic lens.

Electrical

Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant

wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S. Induction: High-Frequency Generator - Supplies high-frequency power to the discharge vessel (lamp) to initiate and maintain a gas discharge for a rated 100,000 hours of life (optimized for ambient

temperatures ranging from -40° to 25°C; higher ambient temperatures may reduce lamp life).

Socket: Mogul-base porcelain socket, 4KV pulse rated. Position-oriented socket standard on all metal halide units.

Listings

UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. UL Listed for 25°C ambient temperature.



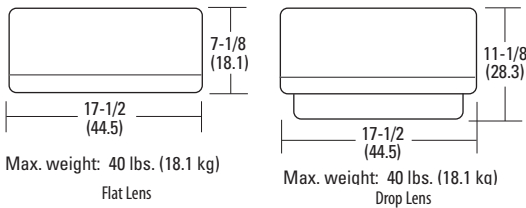
Example: KACM 400M DPA TB SCWA LPI

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Series	Lamp type	Metal halide	Metal halide ceramic ⁴	Distribution	Voltage	Ballast	Mounting
KACM	High pressure sodium ¹			FP Flat C73 ⁶	120	(blank) Magnetic ballast	<u>Ships installed</u>
	150S	100M ¹	100MHC ¹	DPA Drop acrylic	208 ⁷	CWI Constant wattage isolated ⁹	(blank) Ceiling mount (std.)
	250S	150M	150MHC	DPP Drop polycarbonate	240 ⁷	SCWA Super CWA ballast	TC Thru-wire conduit tee
	400S	175M²	<u>Induction</u>		277		<u>Ships separately¹¹</u>
		200M ³	165IL ⁵		347		YK Yoke ^{12,13}
		250M			480 ⁷		
		320M ³			TB⁸		
		400M			23050HZ ⁹		
					TVOLT ¹⁰		
Options				Finish		Lamped	
<u>Ships installed</u>				INTL Available for MH probe start shipping outside the U.S.		(blank) Dark bronze (std.)	
SF	Single fuse, 120V, 277V, 347V		<u>Ships separately¹¹</u>	DBL Black		LPI Lamp included	
DF	Double fuse, 208V, 240V, 480V		VG Vandal guard ¹⁵	DGC Charcoal gray		L/LP Less lamp	
EC	Emergency circuit ¹⁴		WG Wire guard ¹⁶	DMB Medium bronze		LP Lamp factory installed	
QRS	Quartz restrike system ¹⁴			DNA Natural aluminum			
CSA	Meets Canadian standards			DWH White			
NOM	Meets Mexican standards (consult factory)			CR Enhanced corrosion resistance			
				CRT Non-stick protective coating (black)			

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Not available with SCWA.
- Universal mogul base lamp allows KACM to be available with SCWA.
- Must be ordered with SCWA.
- Not applicable with L/LP.
- Must be ordered with LP option.
- Not available with 165IL.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- Induction only.
- May be ordered as an accessory.
- Order accessory as KACMYK.
- Must specify finish.
- Maximum allowable wattage lamp included.
- FP lens only. Order accessory as KACVG.
- Order accessory as KACWG.

Intended Use

For landscape and facade lighting.

Construction

Rugged, die-cast, single-piece low copper alloy aluminum housing.

Door Assembly: Die-cast door-frame has impact-resistant, tempered glass lens. Door frame is fully sealed with a closed cell silicone gasket.

Finish: Standard finish is textured dark bronze polyester powder. Additional architectural colors available; see www.lithonia.com/archcolors for more information.

Optics

Anodized aluminum reflectors; segmented, specular or hammertone finish. Reflectors are interchangeable and allow for tool-less access to electrical components.

Electrical

Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant,

are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S. Compact fluorescent uses an electronic high-frequency ballast.

Socket: Porcelain, medium-base socket for ASF1, mogul-base socket for ASF2, with copper alloy, nickel-plated screw shell and center contact (UL Listed 660W, 600V, 4KV pulse rated). Fluorescent is four-pin positive latching thermoplastic. UL listed. LPI is standard 35K for CFL.

Installation

ASF1 standard mounting is cast 3/4" threaded knuckle. ASF2 standard mounting is heavy-duty, cast-aluminum swivel that fits over standard 1-1/2" (1.9" O.D.) to 2" (2.38" O.D.). Optional yoke mounting available in both sizes.

Listings

UL Listed suitable for wet locations in all orientations and 25°C ambient. UL Listed to U.S. and Canadian safety standards. NOM Certified (see Options). IP66 rated. Patents pending.

ASF
Aeris™



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: ASF1 100M WDF 120 LPI

Series	Lamp type ¹	Distribution			Voltage	Ballast	Mounting		
ASF1	High pressure sodium ²	Metal halide	Metal halide ceramic ⁸	Compact fluorescent ^{2,9}	NSP Narrow spot	(blank) Magnetic ballast	Ships installed	AFTMB	Twin mounting bar
ASF2	50S	50M ^{2,4}	50MHC ^{2,4}	26DTT	SP Spot	208 ¹⁰	(blank) ASF1 3/4" threaded knuckle (std.)	AFTS	Architectural tenon slipfitter for 3/4" THK option
	70S	70M^{2,4}	70MHC ^{2,4}	2/26DTT	HSP Horizontal spot	240 ¹⁰	(blank) ASF2 swivel (std.)	AFSTMTHK	Stanchion mount for 3/4" THK option
	100S	100M²	100MHC ²	32TRT	MDF Medium flood	277	YK Yoke mount	AFWMATHK	Wall-mount arm for 3/4" THK option
	150S	150M²	150MHC	2/32TRT	WDF Wide flood	347	Ships separately ^{14,15}	AFWMPATHK	Wall-mount plate for 3/4" THK option
	200S	175M⁵		42 TRT	VFW Vertical flood-wide	480 ¹⁰	AFTM Tenon base mount	AFWMPATHK	Wall-mount plate for 3/4" THK option
	250S	200M ⁶		2/42TRT	VFN Vertical flood-narrow	TB¹¹	AFSTM Stanchion mount	AFTMBTHK	Twin mounting bar for 3/4" THK option
	400S ³	250M		57TRT		MVOLT ¹²	AFWMA Wall-mount arm	AFJB	Architectural J-box for 3/4" THK option
		320M ⁶		70TRT		23050HZ ¹³			
		350M ^{6,7}							
		400M⁷							

Options						Finish	Lamped
Ships installed						(blank) Textured dark bronze	LPI Lamp included
SF	Single fuse, 120V, 277V, 347V	PE	Photoelectric cell, button type ¹⁷	VG	Vandal guard	DSST	Textured sandstone
DF	Double fuse, 208V, 240V, 480V	2/1	Two 1-lamp ballasts ¹⁸	BD	Barn door ¹⁵	DNAT	Textured natural aluminum
GMF	Internal slow-blow fusing	CSA	Meets Canadian standards	FV	Full visor ¹⁵	DWHG	Textured white
EC	Emergency circuit ¹⁶	NOM	Meets Mexican standards (consult factory)	EV	Eggcrate visor (black only)	DBLB	Textured black
QRS	Quartz restrike system ¹⁶	INTL	Available for MH probe start shipping outside the U.S.	GS	Glare shield (upper or bottom visor) ¹⁵	DDB	Dark bronze
QRSTD	Quartz restrike time delay ¹⁶	Ships separately ^{14,19}					
		FV/BVG	Full visor and vandal guard ¹⁵				

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

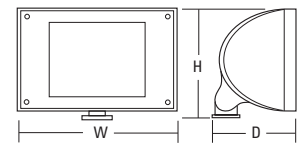
LAMP/FIXTURE DATA					
LAMP TYPE	DISTRIBUTION	CIRCUIT TYPE	LAMP SHAPE	BASE TYPE	NEMA DIST.
150S	HSP	HX-HPF	E17	Medium	5 x 3
150S	WDF	HX-HPF	E17	Medium	7 x 6
400S	HSP	CWA	ET18	Mogul	7 x 3
400S	WDF	CWA	ET18	Mogul	7 x 6
175M	NSP	CWA	E17	Medium	1 x 2
175M	HSP	CWA	E17	Medium	5 x 3
175M	WDF	CWA	E17	Medium	7 x 6
400M	NSP	CWA	ED28	Mogul	1 x 3
400M	HSP	CWA	ED28	Mogul	7 x 5
400M	WDF	CWA	ED28	Mogul	7 x 6
57TRT	WDF	Electronic, HPF	T4	GX24Q-5	7 x 6
70TRT	WDF	Electronic, HPF	T4	GX24Q-6	7 x 6

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
ASF1	50S, 50M, 50MHC, 70S, 70M, 70MHC, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M	NSP, SP, HSP, MDF, WDF, VFW, VFN
ASF1	26DTT, 2/26DTT, 26TRT, 2/26TRT, 32TRT, 2/32TRT, 42TRT, 2/42TRT, 57TRT, 2/57TRT, 70TRT	WDF
ASF2	175M, 200S, 200M, 250S, 250M, 320M, 350M, 400M	NSP, SP, HSP, MDF, WDF, VFW, VFN
ASF2	400S	HSP, MDF, WDF, VFW, VFN

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- Not available with NSP or SP distributions.
- Not available with 480V.
- Not available ASF1 SCWA.
- Must be ordered with SCWA.
- ED-28 reduced jacket lamp required.
- Not applicable with L/LP.
- Available with ASF1 WDF distribution only.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Optional multi-volt electronic ballast (for compact fluorescent lamps only) capable of operating on any line voltage from 120V-277V.
- Consult factory for available wattages

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	ASF1	ASF2
EPA:	1.2 ft ² (0.11 m ²)	2.0 ft ² (0.19 m ²)
Depth:	7-5/8 (19.3)	11 (27.9)
Width:	15-1/2 (39.4)	21-1/2 (54.6)
Height:	10-7/8 (27.6)	18-1/2 (47.0)
Max. weight:	20 lbs (9.0 kg)	35 lbs (15.8 kg)

- May be ordered as accessory.
- Must specify finish.
- ASF2 only. EC, QRS, and QRSTD options cannot be ordered together. Maximum allowable wattage lamp included.
- Must be ordered with fixture; cannot be field installed. Not available in 347V, 480V, or TB.
- ASF1 with CFL only. Not available with PE.
- Prefix with fixture name and size (e.g., ASF2FV).

PRODUCT INFORMATION

KFL



Intended Use
For landscape and facade lighting.

Construction
Housing: Extruded aluminum body with cast end caps. Cast aluminum doorframe is hinged and secured by stainless steel fasteners. Closed-cell silicone gasket prevents entrance of contaminants. Clear, impact-resistant, tempered glass lens with silk screen.

Finish: Dark bronze polyester powder finish standard.

Additional architectural colors available; see www.lithonia.com/archcolors.

Optics
Anodized aluminum reflectors; segmented, specular or hammertone finish. Reflectors are field interchangeable.

Electrical
Ballasts: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with

pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Horizontal porcelain socket (KFL2 medium base, KFL3 mogul base) with copper alloy, nickel-plated screw shell and center contact. UL Listed 660W, 600V 4KV pulse rated.

Installation
Standard mount is two-piece, heavy-duty, cast-aluminum swivel with integral wiring compartment (pictured). Swivel fits over standard 1-1/2" (1.9" OD) to 2" (2.38" OD) tenon. Corrosion-resistant painted steel yoke with 3-foot, 16/3 SEO cable or threaded knuckle mount (1/2" NPT) are optional.

Listings
UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for 25°C ambient and wet locations. IP66 rated.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: KFL2 100M HPW 120 LPI

Series	Lamp type ¹	Distribution ¹	Voltage	Ballast	Mounting
KFL2	High pressure sodium²	Metal halide ceramic⁷	120	(blank) Magnetic ballast	Ships installed
KFL3	70M^{2,3}	70MHC^{2,3}	208⁸	CWI Constant wattage isolated ¹⁰	(blank) Swivel slipfitter (std.)
	70S	100M²	240⁸	SCWA Super CWA ballast	YK Yoke mount
	100S	100MHC²	277		THK Threaded knuckle mount
	150S	150MHC	347		Ships separately^{11, 12}
	250S		480⁸		AFTM Tenon base mount ¹³
	400S		TB⁹		AFSTM Stanchion mount ¹³
			23050HZ¹⁰		
					AFWMA Wall-mount arm ¹³
					AFTMB Twin mounting bar ¹³
					AJB Architectural J-box for 1/2" THK option ¹⁴
					KFLSTMTHK Stanchion mount for 1/2" THK option ¹⁴
					KFLTMBTHK Twin mounting bar for 1/2" THK option ¹⁴
					KFLWMATHK Wall mount for 1/2" THK option ¹⁴
					TS Tenon slipfitter (2-3/8" OD max.) ¹⁵

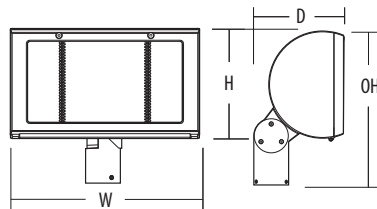
Options	Finish	Lamped
Ships installed	(blank) Dark bronze	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	DGC Charcoal gray	
EC Emergency circuit ¹⁶	DMB Medium bronze	
QRS Quartz restrrike system ¹⁶	DNA Natural aluminum	
PE Photoelectric cell, button type ¹⁷	DWH White	
CSA Meets Canadian standards	CR Enhanced corrosion resistance	
NOM Meets Mexican standards (consult factory)	CRT Non-stick protective coating (black)	
INTL Available for MH probe start shipping outside the U.S.		
Ships separately^{11, 18}		
UV/BVG Upper visor and bubble vandal guard ¹²		
WG Wire guard		
BVG Bubble vandal guard		
BD Barn door ¹²		
FV Full visor ¹²		
UV Upper visor ¹²		
BV Bottom visor ¹²		
EV Eggcrate visor (black only)		
HLV Horizontal louver ¹²		
VLV Vertical louver ¹²		

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
KFL2	70S, 70M, 70MHC, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M	SP, BP, RN, RM, RW, HPN, HPM, HPW, FT
KFL3	175M, 200M, 250S, 250M, 320M, 350M, 400S, 400M	SP, RN, RM, RW, HPN, HPM, HPW, FT

LAMP/FIXTURE DATA					
LAMP TYPE	DISTRIBUTION	CIRCUIT TYPE	LAMP SHAPE	BEAM SPREAD H° x V°	NEMA DIST.
150S	SP	HX-HPF	E17	142 x 127	3 x 1
150S	HPW	HX-HPF	E17	39 x 12	7 x 6
400S	SP	CWA	ET18	60 x 13	4 x 1
400S	HPW	CWA	ET18	144 x 140	7 x 7
175M	SP	CWA	ED17	27 x 15	2 x 1
175M	HPW	CWA	ED17	147 x 127	7 x 6
400M	SP	CWA	BT28	42 x 17	3 x 1
400M	HPW	CWA	BT28	146 x 140	7 x 7

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	KFL2	KFL3
EPA:	1.3ft ² (0.12m ²)	2.0ft ² (0.19m ²)
Width:	17 (43.2)	20 (50.8)
Depth:	8-1/8 (20.6)	9-1/8 (23.2)
Height:	9-7/8 (25.1)	13-1/8 (33.3)
Overall height:	14 (35.6)	16-7/8 (42.9)
Max. weight:	29 lbs (13.1 kg)	44 lbs (19.9 kg)

Notes

- Specify lamp type. See Configurations table.
- Not available with SCWA.
- Not available with 480V.
- Not available KFL2 SCWA.
- Must be ordered with SCWA.
- ED-28 reduced jacket lamp required.
- Not applicable with L/LP.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- May be ordered as an accessory.
- Must specify finish.
- For use with swivel mounting only. Must include swivel mount option on fixture.
- For use with THK mounting only. Must include THK mount option on fixture.
- For use with yoke mounting only. Must include yoke mount option on fixture.
- Maximum allowable wattage lamp included. KFL3 only.
- Must be ordered with fixture; cannot be field installed. Not available 347V, 480V, or TB.
- Prefix with KFLWFL and size (e.g., KFLWFL2BVG).

170S



Intended Use

For airport aprons or parking areas.

Construction

Housing: Rugged, heavy-gauge, aluminum housing. Continuous welded seams for weather-tight integrity. Aluminum door frame secured with four stainless steel latches. Thermal-resistant and shock-resistant tempered flat lens.

Finish: Dark bronze polyester powder finish standard. Additional architectural

colors available; see www.lithonia.com/archcolors.

Optics

Anodized aluminum reflector with internal glare control louver, painted matte black to provide an asymmetrical beam pattern with sharp vertical cutoff.

Electrical

Electrical components mounted to heavy-gauge plate to maximize heat dissipation and structural integrity.

Ballast: All ballasts are 100%

factory tested. Constant wattage autotransformer. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 320-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Horizontal, mogul-base porcelain socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V, 4KV pulse rated.

Installation

Painted steel yoke, complete with vertical angle selector, retaining stop and 3-foot, 14/3 cable, is standard.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and wet locations.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: 170S 400S HPN 120 SF LPI

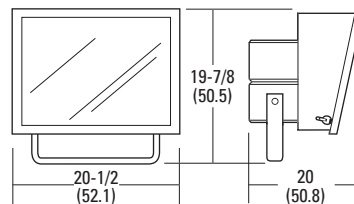
Series	Lamp type	Distribution	Voltage	Ballast	Mounting	
170S	High pressure sodium 250S 400S 1000S Metal halide 320M ¹ 350M ¹ 400M 1000M ²	HPN Narrow asymmetric	120 208 ³ 240 ³ 277 347 480 ³ TB ⁴ 23050HZ ²	<u>Ships installed</u> (blank) Magnetic ballast CWI Constant wattage isolated ⁵ SCWA Super CWA ballast <u>Ships separately</u> ⁶ HRBW HID remote ballast weatherproof (black) HRB HID remote ballast (white)	<u>Ships installed</u> (blank) Yoke (std.) <u>Ships separately</u> TS Tenon slipfitter (2-3/8" OD max.) ^{6,7} MPB29 Mounting pole bracket for 2 fixtures at 90 degrees ⁸ MPB39 Mounting pole bracket for 3 fixtures at 90 degrees ⁸ MPB49 Mounting pole bracket for 4 fixtures at 90 degrees ⁸	
Options			Finish		Lamped	
<u>Ships installed</u>			<u>Ships separately</u> ⁶		LPI Lamp included	
SF	Single fuse, 120V, 277V, 347V	PE1	NEMA twist-lock PE (120, 208, 240V)	DBL	Black	L/LP Less lamp
DF	Double fuse, 208V, 240V, 480V	PE3	NEMA twist-lock PE (347V)	DGC	Charcoal gray	
QRS	Quartz restrrike system ⁹	PE4	NEMA twist-lock PE (480V)	DMB	Medium bronze	
PER	NEMA twist-lock receptacle only ¹⁰	PE7	NEMA twist-lock PE (277V)	DNA	Natural aluminum	
CSA	Meets Canadian standards	SC	Shorting cap	DWH	White	
INTL	Available for MH probe start shipping outside the U.S.	UV	Upper visor ⁷	CR	Enhanced corrosion resistance	
				CRT	Non-stick protective coating (black)	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

LAMP/FIXTURE DATA					
LAMP TYPE	DIST.	BALLAST	LAMP SHAPE	BEAM SPREAD H° x V°	NEMA DIST.
250S	HPN	CWA	ET18	128 x 55	6 x 4
400S	HPN	CWA	ET18	129 x 52	6 x 4
1000S	HPN	CWA	E25	132 x 56	7 x 4
400M	HPN	CWA	BT37	139 x 68	7 x 4
1000M	HPN	CWA	BT37	138 x 63	7 x 4

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EPA: 2.7 ft² (0.25 m²)
Max. weight: 83 lbs (37.6 kg)

Notes

- 1 Must be ordered with SCWA.
- 2 Requires a BT-37 reduced jacket lamp.
- 3 Must specify CWI for use in Canada.
- 4 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- 5 Consult factory for available wattages.
- 6 May be ordered as an accessory.
- 7 Must specify finish.
- 8 MPB bracket ships separately with junction box and hinge mechanisms. Bracket weight: 12 lbs. Must be ordered with fixture.
- 9 Maximum allowable wattage lamp included.
- 10 Photocell not included.

PRODUCT INFORMATION

95



Intended Use
For large area facade or monument floodlighting.

Construction
Housing: Rugged, heavy-gauge, aluminum housing, horizontal (95) or vertical (95V) lamp orientation. Continuous welded seams, fully gasketed for weathertight integrity. Aluminum doorframe secured with four stainless steel latches. Thermal-resistant and shock-resistant tempered flat lens.

Finish: Dark bronze polyester powder finish standard. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics
Segmented anodized aluminum, precisely formed to provide varying rectangular beam patterns (non-rotatable).

Electrical
Electrical components mounted to heavy-gauge plate to maximize heat dissipation and structural integrity. Ballast:

All ballasts are 100% factory tested. Constant wattage autotransformer. Socket: Mogul-base porcelain socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V. 4KV pulse rated. Uses BT 56 lamp.

Installation
Painted steel yoke complete with vertical angle selector stop, re-aiming, and 3-foot, 14/3 cable is standard.

Listings
UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and wet locations.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: 95 1000S RMH 120 SF LPI

Series	Lamp type	Distribution	Voltage	Ballast
95	High pressure sodium	Horizontal lamp	120	Ships installed
95V	1000S	RMH Medium horizontal lamp	208 ⁴	(blank) Magnetic ballast
	Metal halide	RNH Narrow horizontal lamp ¹	240 ⁴	CWI Constant wattage isolated ⁶
	1000M	RWH Wide horizontal lamp	277	SCWA Super CWA ballast
		BPH Bi-peak symmetric horizontal lamp ²	347	Ships separately ⁷
		SPH Spot horizontal lamp ²	480 ⁴	HRBW HID remote ballast weatherproof (black)
			TB ⁵	HRB HID remote ballast (white)
			23050HZ ⁶	

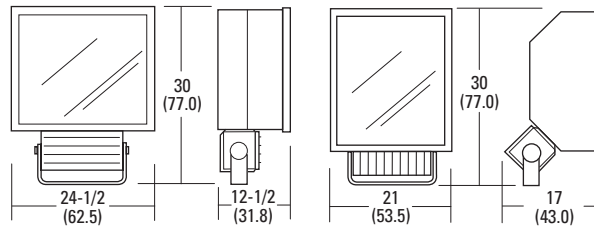
Mounting	Options	Finish	Lamped
Ships installed	Ships installed	(blank) Dark bronze (std.)	LPI Lamp included
(blank) Yoke (std.)	SF Single fuse, 120V, 277V, 347V	DBL Black	L/LP Less lamp
Ships separately ⁸	DF Double fuse, 208V, 240V, 480V	DMB Medium bronze	
TS Tenon slipfitter (2-3/8" OD max.)	PER NEMA twist-lock receptacle only ⁹	DNA Natural aluminum	
	CSA Meets Canadian standards	DWH White	
	Ships separately ⁷	CR Enhanced corrosion resistance	
	PE1 NEMA twist-lock PE (120, 240V)	CRT Non-stick protective coating (black)	
	PE3 NEMA twist-lock PE (347V)		
	PE4 NEMA twist-lock PE (480V)		
	PE7 NEMA twist-lock PE (277V)		
	SC Shorting cap		
	VG Vandal guard ¹⁰		
	FV Full visor ^{8,10}		
	UV Upper visor ^{8,10}		
	BV Bottom visor ^{8,10}		
	CV Concentric visor ^{8,10}		
	GV Glare visor (three sided) ^{8,10}		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

DISTRIBUTION	95		95V	
	1000M	1000S	1000M	1000S
RMH	4 x 1	5 x 2	3 x 5	6 x 6
RNH	3 x 1	-	3 x 3	5 x 6
RWH	5 x 1	5 x 1	3 x 5	6 x 6
BPH	-	-	4 x 5	6 x 6
SPH	2 x 1	4 x 1	-	-
RMV	5 x 3	6 x 6	1 x 4	2 x 5
RNV	3 x 3	6 x 5	1 x 3	-
RWV	5 x 4	6 x 6	1 x 4	1 x 5
BPV	5 x 4	6 x 6	-	-
SPV	-	-	1 x 2	1 x 4

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EPA: 4.7 ft² (0.44 m²)
Max. weight: 90 lbs (40.8 kg)

EPA: 4.3 ft² (0.40 m²)
Max. weight: 90 lbs (40.8 kg)

95

95V

Notes

- Not available with 95 1000S.
- BPH and SPV for use with 95V only. SPH and BPV for use with 95 only.
- Not available with 95V 1000S.
- Must specify CWI for use in Canada.
- Multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- May be ordered as an accessory.
- Must specify finish.
- Photocell not included.
- Prefix with fixture name and size (e.g., 95UV).

Intended Use

For large area facade or monument floodlighting.

Construction

Housing: Rugged, heavy-gauge, aluminum housing, horizontal (55) or vertical lamp (55V) orientation. Continuous welded seams, fully gasketed for weather-tight integrity. Aluminum doorframe secured with four stainless steel latches. Thermal-resistant, tempered flat lens.

Finish: Dark bronze polyester powder finish standard. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

Anodized aluminum reflector. Seven distributions available to provide varying rectangular beam patterns (non-rotatable).

Electrical

Electrical components mounted to heavy-gauge plate to maximize heat dissipation and structural

integrity. Ballast: All ballasts are 100% factory tested. Constant wattage autotransformer. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 320-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Mogul-base porcelain socket with copper alloy, nickel-plated screw shell

and center contact. UL Listed 1500W-600V. 4KV pulse rated.

Installation

Painted, steel yoke complete with angle selector, aiming stop, and 3-foot, 14/3 cable is standard.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and wet locations.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: 55 1000S RPN TB LPI

Series	Lamp type	Distribution	Voltage	Ballast	Mounting
55	High pressure sodium	RMA Medium A ²	120	Ships installed	Ships installed
55V	1000S	RNA Narrow A ²	208 ⁴	(blank) Magnetic ballast	(blank) Yoke (std.)
	Metal halide	RWA Wide A ²	240 ⁴	CWI Constant wattage isolated ⁶	Ships separately ^{7,8}
	320M ¹	RME Medium E ³	277	SCWA Super CWA ballast	TS Tenon slipfitter (2-3/8" OD max.)
	350M ¹	RNE Narrow E ³	347	Ships separately ⁷	
	400M	RWE Wide E ³	480 ⁴	HRBW HID remote ballast weatherproof (black)	
	1000M	RPN Narrow peak ³	TB ⁵	HRB HID remote ballast (white)	
			23050HZ ⁶		

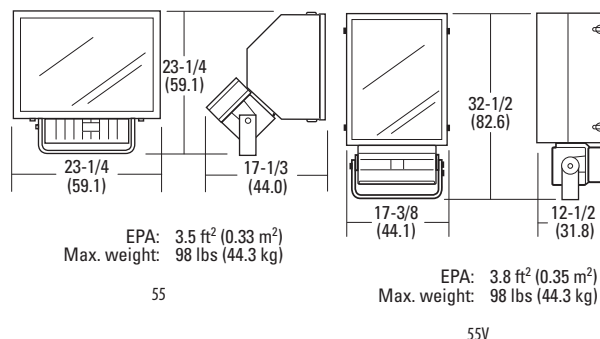
Options		Finish	Lamped
Ships installed		WG Wire guard ¹¹	(blank) Dark bronze (std.)
SF Single fuse, 120V, 277V, 347V	Ships separately ⁷	FV Full visor ^{8,11}	DBL Black
DF Double fuse, 208V, 240V, 480V	PE1 NEMA twist-lock PE (120, 208, 240V)	UV Upper visor ^{8,11}	DGC Charcoal gray
QRS Quartz restrrike system ⁹	PE3 NEMA twist-lock PE (347V)	BV Bottom visor ^{8,11}	DMB Medium bronze
PER NEMA twist-lock receptacle only ¹⁰	PE4 NEMA twist-lock PE (480V)	GV Glare visor (three sided) ^{8,11}	DNA Natural aluminum
CSA Meets Canadian standards	PE7 NEMA twist-lock PE (277V)		DWH White
INTL Available for MH probe start shipping outside the U.S.	SC Shorting cap		CR Enhanced corrosion resistance
	VG Vandal guard ¹¹		CRT Non-stick protective coating (black)

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

DISTRIBUTION	DISTRIBUTION DATA					
	55			55V		
	1000M	400M	1000S	1000M	400M	1000S
RME	6 x 5	6 x 5	6 x 5	4 x 6	5 x 6	5 x 6
RNE	6 x 4	6 x 4	6 x 4	4 x 6	4 x 6	4 x 6
RPN	6 x 2	6 x 2	5 x 1	1 x 6	1 x 6	1 x 5
RWE	6 x 5	6 x 5	6 x 5	5 x 6	5 x 6	5 x 6
RNA	5 x 1	-	-	1 x 5	-	-
RMA	6 x 6	-	-	6 x 6	-	-
RWA	6 x 5	-	-	6 x 7	-	-

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Must be ordered with SCWA.
- 2 RMA, RNA, RWA are for use with 1000M only and require standard BT-56 lamp.
- 3 RME, RNE, RPN, RWE require reduced jacket BT-37 lamp with 1000M.
- 4 Must specify CWI for use in Canada.
- 5 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- 6 Consult factory for available wattages.
- 7 May be ordered as an accessory.
- 8 Must specify finish.
- 9 Maximum allowable wattage lamp included.
- 10 Photocell not included.
- 11 May be ordered as accessory. Prefix with fixture name (e.g., 55IUV).

PRODUCT INFORMATION

HFA
HFL



Intended Use

For general to heavy industrial applications, including Class 1, Division 2 classified hazardous locations, marine and corrosive environments, or wherever excessive vibration and dirt may exist.

Construction

Housing: NEMA heavy-duty constructed housing. Die-cast copper-free (<.4%) aluminum housing with round corners and front bezel. Front bezel is removable via position-oriented hinge-cam design. Lens is thermal- and shock-resistant, clear, tempered glass with no metal-to-glass contact. Hardware is

corrosion-resistant. Standard finish is dark bronze (DDB) corrosion-resistant polyester powder. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

Computer-designed, precision-formed reflectors for high performance and efficiency. Premium one-piece silicone gasket seals optical chamber to inhibit entrance of contaminants. HFL 400W metal halide requires an ED28 reduced jacketed lamp.

Electrical

Electrical components are mounted to cast aluminum

housing, promoting maximum heat dissipation. Electrical: Ballast: All ballasts are 100% factory tested. Constant wattage autotransformer 250W and above. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 250-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S..

Socket: Porcelain, horizontally oriented mogul-base socket with copper alloy, nickel-plated screw shell and center

contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation

HFA: front bezel is latched for easy tool-less internal access to optical and electrical compartments. Corrosion-resistant, heavy-duty, painted steel mounting yoke. Three-quarter-inch female threaded conduit hub provided.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed Class 1, Division 2, Groups A, B, C and D for hazardous locations. UL Listed for marine outside locations. IP65 rated.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: HFA 400S TA 120 LPI

Series	Lamp type ¹	Distribution ¹	Voltage	Ballast	Mounting
HFA	High pressure sodium ²	HFA	120	(blank) Magnetic ballast	(blank) Yoke (std.)
HFL	250S	TA Horizontal	208 ⁴	SCWA Super CWA ballast	
	400S	RN Narrow symmetric	240 ⁴		
	Metal halide	HFL	277		
	250M	RA2 Rectangular beam	347		
	400M ³		480 ⁴		
			TB ⁵		

Options	Finish	Lamped
Ships installed	(blank) Dark bronze (std.)	LPI Lamp included
TP Tamperproof latches ⁶	CR Enhanced corrosion resistance	L/LP Less lamp
CSA Meets Canadian standards	CRT Non-stick protective coating (black)	
INTL Available for MH probe start shipping outside the U.S.		

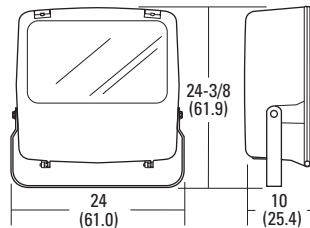
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
HFA	250S, 250M, 400S, 400M	TA, RN
HFL	400S, 400M	RA2

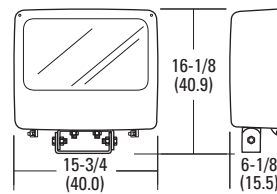
TEMPERATURE CODES			
SERIES	LAMP TYPE	T-CODE OR TEMP.	MAX. INTERNAL TEMP.
HFA	250M	T1	336°C
HFA	400M	T1	343°C
HFA	250S	T1	301°C
HFA	400S	T1	352°C
HFL	400M	T1	433°C
HFL	400S	T1	426°C

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EPA: 2.6 ft² (0.24 m²)
Max. weight: 65 lbs (29.5 kg)

HFA



EPA: 1.3 ft² (.12 m²)
Max. weight: 27 lbs (12.3 kg)

HFL

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- HFL 400M must use reduced jacket ED-28 lamp.
- Consult factory for availability in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- HFA only.

HFR HFM



Intended Use

For general to heavy industrial applications, including Class 1, Division 2 classified hazardous locations, marine and corrosive environments, or where excessive vibration and dirt may exist.

Construction

Housing: NEMA heavy-duty constructed housing. Die-cast copper-free (<.4%) aluminum housing with rounded corners and front bezel. Front bezel is removable via position-oriented hinge-cam design. Lens is thermal- and shock-resistant, clear, tempered glass with no metal-to-

glass contact. Hardware is corrosion-resistant. Standard finish is dark bronze (DDB) corrosion-resistant polyester powder. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

Computer-designed, precision-formed reflector for high performance and efficiency. Premium one-piece silicone gasket seals optical chamber to inhibit entrance of outside contaminants.

Electrical

Electrical components mounted to cast aluminum housing, promoting

maximum heat dissipation. Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S..

Socket: Porcelain, horizontally oriented, mogul-base (HFR) or medium-base (HFM) socket with copper alloy, nickel-

plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation

Corrosion-resistant, heavy-duty, painted steel mounting yoke. Three-quarter-inch female threaded conduit hub provided.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed, Class 1, Division 2, Groups A, B, C and D for hazardous locations. UL Listed for marine outside locations. IP65 rated.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: HFR 400S TA 120 LPI

Series	Lamp type ¹	Distribution ¹	Voltage	Ballast	Mounting	Options	Finish	Lamped
HFM	High pressure sodium ²	RG Horizontal	120	(blank) Magnetic ballast	(blank) Yoke (std.)	Ships installed	(blank) Dark bronze (std.)	LPI Lamp included
HFR	100S	TA Horizontal	208 ⁴	SCWA Super CWA ballast		CSA Meets Canadian standards	CR Enhanced corrosion resistance	L/LP Less lamp
	150S	RB Vertical	240 ⁴			INTL Available for MH probe start shipping outside the U.S.	CRT Non-stick protective coating (black)	
	250S	RC Vertical	277					
	400S		347					
	400S		480 ⁵					
	Metal halide		TB ⁶					
	175M ³							
	250M							
	400M							

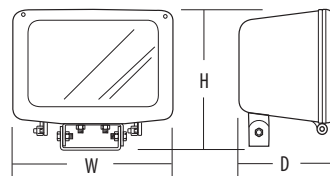
ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

AVAILABLE CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
HFR	150S, 175M, 250S, 250M, 400S, 400M	TA, RB, RC
HFM	100S, 150S	RB, RG

TEMPERATURE CODES			
SERIES	LAMP TYPE	T-CODE OR TEMP.	MAX. INTERNAL TEMP.
HFR	250M	T1	347°C
HFR	400M	T1	359°C
HFR	150S	T2B	238°C
HFR	250S	T1	332°C
HFR	400S	T1	376°C
HFM	100S	280	280°C
HFM	150S	350	341°C

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	HFR	HFM
EPA:	1.3 ft ² (0.12 m ²)	0.5 ft ² (0.05 m ²)
Width:	17-5/8 (44.8)	10-1/2 (26.9)
Depth:	10-3/4 (32.4)	6-3/4 (17.5)
Height:	10-7/8 (27.4)	18-1/2 (47.0)
Weight:	20 lbs (9.0 kg)	35 lbs (15.8 kg)

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- Not available with HFM SCWA.
- Consult factory for availability in Canada.
- Not available in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.

PRODUCT INFORMATION

TFA

Contour®



Intended Use
For industrial yards, parking lots, construction sites, streets and recreational areas.

Construction
Housing: Heavy-duty construction. Contoured die-cast aluminum housing and front bezel. Bezel hinged and latched for fast, easy tool-less internal access to optical and electrical compartments. Lens is heavy-duty, thermal- and shock-resistant, clear, tempered glass with no metal-to-glass contact.

Finish: Dark bronze polyester powder finish standard. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics
Computer-designed, precision die-formed, specular anodized aluminum reflector provides high efficiencies. Premium, one-piece silicone gasket seals optical chamber to inhibit entrance of outside contaminants.

Electrical
Electrical components mounted to heavy-gauge

plate to maximize heat dissipation and structural integrity. Ballast: All ballasts are 100% factory tested. Constant wattage autotransformer 250W and above. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 250-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Porcelain, horizontally or vertically oriented, mogul-base socket with cop

per alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V.

Installation
Tool-less latches on front bezel can be opened while wearing gloves. Corrosion-resistant, painted steel yoke.

Listings
UL Listed (standard) (ambient temperature 25°C for 750W and above, 40°C for 400W and below). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: TFA 1000M TA TB LPI

Series	Lamp type ¹		Distribution ¹	Voltage	Ballast	Mounting
TFA	High pressure sodium ²	Metal halide	RN Horizontal	120	(blank) Magnetic ballast	Ships installed
	250S	250M	TA Horizontal	208 ⁵	CWI Constant wattage isolated ⁷	(blank) Yoke (std.)
	400S	320M ⁴	RB Vertical	240 ⁵	SCWA Super CWA ballast	IS Integral slipfitter (2-3/8" OD tenon)
	750S ³	350M ⁴	RC Vertical	277		Ships separately ^{8,9}
	1000S	400M	RE Vertical	347		AFTM Tenon mount
		750M ⁴	RM Vertical	480 ⁵		FRWB Radius wall bracket
		1000M	TA2 Vertical	TB ⁶ 23050HZ ⁷		FSPB Steel square pole bracket

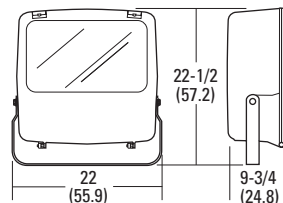
Options			Finish	Lamped
Ships installed	C62 2' 16-3 cord prewired ¹²	SC Shorting cap	(blank) Dark bronze	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	CSA Meets Canadian standards	VG Vandal guard ¹³	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	NOM Meets Mexican standards (consult factory)	WG Wire guard ¹³	DGC Charcoal gray	
EC Emergency circuit ¹⁰	INTL Available for MH probe start shipping outside the U.S.	FV Full visor ^{9,13}	DMB Medium bronze	
QRS Quartz restrike system ¹⁰	Ships separately ⁸	UV Upper visor ^{9,13}	DNA Natural aluminum	
QRSTD Quartz restrike time delay ¹⁰	PE1 NEMA twist-lock PE (120, 208, 240V)	BV Bottom visor ^{9,13}	DWH White	
PER NEMA twist-lock receptacle only ¹¹	PE3 NEMA twist-lock PE (347V)		CR Enhanced corrosion resistance	
C22 2' 12-3 cord prewired ¹²	PE4 NEMA twist-lock PE (480V)		CRT Non-stick protective coating (black)	
C42 2' 14-3 cord prewired ¹²	PE7 NEMA twist-lock PE (277V)			

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

LAMP/FIXTURE DATA					
LAMP TYPE	DIST.	CIRCUIT	LAMP SHAPE	BEAM SPREAD H° x V°	NEMA DIST.
400S	TA	CWA	ET18	140 x 134	7 x 7
400S	RN	CWA	ET18	127 x 30	6 x 3
400S	TA2	CWA	ET18	138 x 112	7 x 6
400S	RB	CWA	ET18	126 x 106	6 x 6
1000S	TA	CWA	E25	139 x 133	7 x 7
1000S	RN	CWA	E25	127 x 21	6 x 2
1000S	TA2	CWA	E25	144 x 119	7 x 6
1000S	RB	CWA	E25	128 x 114	6 x 6
400M	TA	CWA	BT37	143 x 133	7 x 7
400M	RN	CWA	BT37	129 x 35	6 x 3
400M	TA2	CWA	BT37	135 x 111	7 x 6
400M	RB	CWA	BT37	124 x 100	6 x 6
1000M	TA	CWA	BT56	146 x 135	7 x 7
1000M	RN	CWA	BT56	130 x 45	6 x 3
1000M	TA2	CWA	BT56	144 x 119	7 x 6
1000M	RB	CWA	BT56	126 x 109	6 x 6

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
TFA	250S, 250M, 320M, 350M, 400S, 400M	RN, TA, RB, RC, TA2, RM
TFA	750M	RN, TA
TFA	750S, 1000S	RN, TA, RB, TA2, RM
TFA	1000M	RN, TA, RB, RE, TA2, RM

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EPA: 2.6 ft² (0.24 m²)
Max. weight: 65 lbs (29.5 kg)

Notes

- Specify lamp type and distribution. See Configurations table.
- Not available with SCWA.
- Not available in multi-tap ballast.
- Must be ordered with SCWA.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- May be ordered as an accessory.
- Must specify finish.
- Maximum allowable wattage lamp included.
- Photocell not included.
- Yoke-mount only.
- Prefix with fixture name (e.g., TFAUV).

TFL
Contour®

Intended Use

For recreation areas, parking lots, building facades and car lots.

Construction

Housing: Compact, soft-corner, die-cast aluminum housing and front cover. Front bezel is fully sealed with one-piece, bonded silicone gasket. Lens is thermal- and shock-resistant, clear, tempered glass.

Finish: Dark bronze polyester powder finish standard. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

TA2: vertical lamp with one-piece, hydro-formed, anodized aluminum reflector. Two-position adjustable socket. RA2: Horizontal lamp with anodized specular aluminum reflector. Both have sealed optic chamber to inhibit entrance of outside contaminants.

Electrical

Components mounted to cast-aluminum housing for maximum heat-dissipation. Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer

175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Porcelain, vertically or horizontally oriented mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation

Corrosion-resistant, heavy-duty, painted steel yoke. External screws treated for corrosion resistance. Above-horizontal aiming standard.

Listings

UL Listed (standard) (ambient temperature 25°C for 320W and above and 200S, 40°C for 250W and below). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TFL 400S RA2 TB LPI

Series	Lamp type		Distribution	Voltage	Ballast	Mounting								
TFL	High pressure sodium ¹	Metal halide	Metal halide ceramic ⁵	RA2	Rectangular beam	120	(blank)	Magnetic ballast	Ships installed	FSPB	Steel square pole bracket ¹¹	FCX2	2-Light wood pole crossarm ¹²	
	70S	150M	150MHC	TA2	Vertical (max 250W)	208 ⁶	CWI	Constant wattage isolated ⁸	(blank)	Yoke (std.)	FTS	Tenon slipfitter (2-3/8" to 2-7/8" OD tenon) ¹²	FCX3	3-Light wood pole crossarm ¹²
	100S	175M ²				240 ⁶			IS	Integral slipfitter (2-3/8" OD tenon)	FCRA	Crossarm adaptor ¹²	FCX4	4-Light wood pole crossarm ¹²
	150S	200M ³				277			Ships separately ^{9, 10}	FCRA45	Crossarm adaptor (45 degrees from horizontal) ¹²	FWPB	Wall/wood pole/pipe bracket ¹²	
	200S	250M				347	SCWA	Super CWA ballast	AFTM	Tenon mount ¹¹	FPMB	Wall/pole mounting bracket ¹²		
	250S	320M ^{3, 4}				480 ⁶			FRWB	Radius wall bracket ¹¹	FSAB	Steel angle bracket ¹²		
	400S	400M ⁴				23050HZ ⁸								

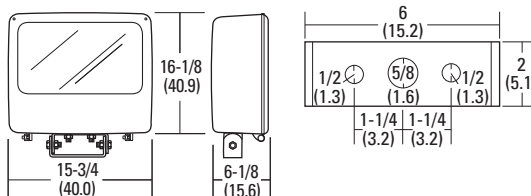
Options				Finish				Lamped			
Ships installed				CF	Charcoal filter	SC	Shorting cap	(blank)	Dark bronze	LPI	Lamp included
SF	Single fuse, 120V, 277V, 347V	CSA	Meets Canadian standards	VG	Vandal guard ¹⁶	DBL	Black	L/LP	Less lamp		
DF	Double fuse, 208V, 240V, 480V	NOM	Meets Mexican standards (consult factory)	WG	Wire guard ¹⁶	DGC	Charcoal gray				
EC	Emergency circuit ¹³	INTL	Available for MH probe start shipping outside the U.S.	FV	Full visor ^{10, 16}	DMB	Medium bronze				
QRS	Quartz restrrike system ¹³	Ships separately ⁹		UV	Upper visor ^{10, 16}	DNA	Natural aluminum				
PER	NEMA twist-lock receptacle only ¹⁴	PE1	NEMA twist-lock PE (120, 208, 240V)			DWH	White				
C22	2' 12-3 cord prewired ¹⁵	PE3	NEMA twist-lock PE (347V)			CR	Enhanced corrosion resistance				
C42	2' 14-3 cord prewired ¹⁵	PE4	NEMA twist-lock PE (480V)			CRT	Non-stick protective coating (black)				
C62	2' 16-3 cord prewired ¹⁵	PE7	NEMA twist-lock PE (277V)								

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

LAMP/FIXTURE DATA					
LAMP TYPE	DIST.	CIRCUIT	LAMP SHAPE	BEAM SPREAD H° x V°	NEMA DIST.
100S	TA2	HX-HPF	E17	148 x 123	7 x 6
150S	TA2	HX-HPF	E17	155 x 119	7 x 6
250S	RA2	CWA	BT28	143 x 111	7 x 6
400S	RA2	CWA	BT28	143 x 111	7 x 6
175M	TA2	CWA	BT28	147 x 122	7 x 6
250M	RA2	CWA	BT28	140 x 104	7 x 6
400M	RA2	CWA	BT28	145 x 100	7 x 6

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EPA: 1.3 ft² (0.12 m²)
Weight: 27 lbs (11.8 kg)

Notes

- Not available with SCWA.
- Universal mogul base lamp allows TFL to be available with SCWA.
- Must be ordered with SCWA.
- Requires T-15, ED or BT28 reduced jacket lamp.
- Not applicable with L/LP.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- May be ordered as accessory.
- Must specify finish.
- For use with slipfitter.
- For use with yoke.
- Maximum allowable wattage lamp included.
- Photocell not included.
- Yoke mount only.
- May be ordered as accessory. Prefix with fixture name (ie TFLUV).

TFR

Contour®



Intended Use

For recreation areas, parking lots, building facades and car lots.

Construction

Housing: Compact, soft corner, die-cast aluminum housing and front cover. Front bezel is removable via position-oriented hinge-cam design and is fully sealed with one-piece, bonded silicone gasket. Lens is thermal- and shock-resistant clear, tempered glass.

Finish: Dark bronze polyester powder finish standard. Additional architectural

colors available; see www.lithonia.com/archcolors.

Optics

Die-formed, anodized aluminum reflectors provide rectangular, uniform beam distributions. Three available beam distributions for maximum flexibility in area lighting applications.

Electrical

Components mounted to cast-aluminum housing, promoting maximum heat dissipation. Ballast: High reactance, high power factor for 150W. Constant wattage autotransformer 175W and

above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket - Porcelain (medium base: 150M; mogul base: all others), horizontally oriented with copper alloy, nickel plated screw shell and center contact. UL Listed 1500W, 600V, 4KV pulse rated.

Installation

Corrosion-resistant, heavy-duty, painted steel mounting yoke. External screws treated for corrosion resistance. Above-horizontal aiming standard.

Listings

UL Listed (standard) (ambient temperature 25°C for 320W and above, 40°C for 250W and below). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TFR 400M TA TB SCWA LPI

Series	Lamp type	Distribution	Voltage	Ballast	Mounting
TFR	High pressure sodium ¹	200M ³	120	(blank) Magnetic ballast	<u>Ships installed</u>
	150S	250M	208 ⁶	CWI Constant wattage isolated ⁸	(blank) Yoke (std.)
	250S	320M ³	240 ⁶	SCWA Super CWA ballast	IS Integral slipfitter (2-3/8" OD tenon)
	400S	350M ³	277		<u>Ships separately</u> ^{9,10}
	Metal halide	400M	347		AFTM Tenon mount ¹¹
	150M	Metal halide ceramic	480 ⁶	TB ⁷	
175M ²	150MHC ⁴	23050HZ ⁸			

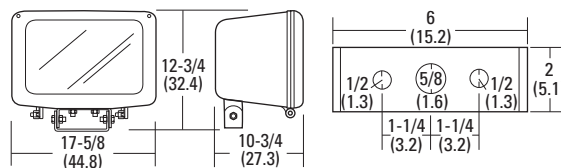
Options	Finish	Lamped
<u>Ships installed</u>	(blank) Dark bronze	LPI Lamp included
SF Single fuse, 120V, 277V, 347V	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V	DGC Charcoal gray	
EC Emergency circuit ¹⁴	DMB Medium bronze	
QRS Quartz restrrike system ¹⁴	DNA Natural aluminum	
PER NEMA twist-lock receptacle only ¹⁵	DWH White	
C22 2' 12-3 cord prewired ¹²	CR Enhanced corrosion resistance	
C42 2' 14-3 cord prewired ¹²	CRT Non-stick protective coating (black)	
C62 2' 16-3 cord prewired ¹²		
CF Charcoal filter		
CSA Meets Canadian standards		
NOM Meets Mexican standards (consult factory)		
INTL Available for MH probe start shipping outside the U.S.		
<u>Ships separately</u> ⁹		
PE1 NEMA twist-lock PE (120, 208, 240V)		
PE3 NEMA twist-lock PE (347V)		
PE4 NEMA twist-lock PE (480V)		
PE7 NEMA twist-lock PE (277V)		
SC Shorting cap		
VG Vandal guard ¹³		
WG Wire guard ¹³		
FV Full visor ^{10,13}		
UV Upper visor ^{10,13}		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

LAMP/FIXTURE DATA					
LAMP TYPE	DIST.	CIRCUIT	LAMP SHAPE	BEAM SPREAD H° x V°	NEMA DIST.
150S	RB	XHP	E17	114 x 107	6 x 6
150S	RC	XHP	E17	100 x 92	5 x 5
250S	TA	CWA	ET18	132 x 118	7 x 6
250S	RB	CWA	ET18	110 x 104	6 x 6
250S	RC	CWA	ET18	99 x 97	5 x 5
400S	TA	CWA	ET18	132 x 118	7 x 6
400S	RB	CWA	ET18	110 x 104	6 x 6
400S	RC	CWA	ET18	99 x 97	5 x 5
175M	TA	CWA	BT28	132 x 111	7 x 6
175M	RB	CWA	BT28	121 x 91	6 x 5
175M	RC	CWA	BT28	100 x 90	5 x 5
250M	TA	CWA	BT28	132 x 111	7 x 6
250M	RB	CWA	BT28	121 x 91	6 x 5
250M	RC	CWA	BT28	100 x 90	5 x 5
400M	TA	CWA	BT37	138 x 119	7 x 6
400M	RB	CWA	BT37	124 x 107	6 x 6
400M	RC	CWA	BT37	96 x 100	5 x 5

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EPA: 1.3 ft² (0.12 m²)
 Weight: 29 lbs (13.2 kg)

Notes

- Not available with SCWA.
- Universal mogul base lamp allows TFL to be available with SCWA.
- Must be ordered with SCWA.
- Not applicable with L/LP.
- Not available with 150S.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattage.
- May be ordered as accessory.
- Must specify finish.
- Requires IS or FTS slipfitter.
- Yoke mounting only.
- Prefix with fixture name (e.g., TFREY) when ordered as accessory.
- Maximum allowable wattage lamp included.
- Photocell not included.

TFM Contour®



Intended Use

For signs, flags, building facades and landscaping.

Construction

Housing: Compact, heavy-duty construction. Die-cast aluminum housing and removable front bezel. Lens is thermal- and shock-resistant, clear, tempered glass.

Standard finish is dark bronze (DDB) corrosion-resistant polyester powder. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

Hydroformed, anodized aluminum, faceted parabolic (RB, RG) or die-formed (TA) construction provides high efficiencies.

Electrical

Ballast: All ballasts are 100% factory tested. HPS: 120V is reactor normal-power factor standard (XHP available). 208V, 240V, 347V, 480V, and TB are high reactance, high power factor standard. MH: High reactance high power factor for 150W and below. Constant wattage autotransformer for 175M.

150W and below are standard with pulse-start ignitor technology. CSA, NOM or INTL required for probe start shipments outside the U.S. for 175M. Not available 175M SCWA. Compact fluorescent uses an electronic high-frequency ballast.

Socket: Porcelain, medium-base, horizontally-oriented (RB, RG) or vertically-oriented (TA) socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V. 4-pin socket for compact fluorescent. LPI is standard 35K for CFL.

Installation

Die-cast aluminum 1/2" NSPM threaded mounting knuckle is standard. Corrosion-resistant, painted steel yoke optional. Above-horizontal aiming standard. External screws treated for corrosion resistance.

Listings

UL Listed (standard) (ambient temperature 25°C for 150M and above; 40°C for 100M and below, 150S and below). CSA Certified or NOM Certified (see Options). UL Listed for wet locations. IP65 rated.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TFM 100M RB 120 LPI

Series	Lamp type			Distribution	Voltage	Ballast	Mounting
TFM	High pressure sodium ¹	100M¹	Compact fluorescent ²	RB Horizontal	120	(blank) Magnetic ballast	Ships installed
	35S ²	150M	13DTT	RG Horizontal	208 ⁸	CWI Constant wattage isolated ¹¹	(blank) 1/2" threaded knuckle (std.)
	50S	175M^{4,5}	18DTT	TA Vertical ⁷	240 ⁸	SCWA Super CWA ballast	YK Yoke mount
	70S	Metal halide ceramic⁶	26DTT		277	XHP High reactance (lag), high power factor ¹²	Ships separately^{13,14}
	100S	50MH ^{1,3}	32TRT		347		AFTM Tenon mount
	150S	70MH ^{1,3}	42 TRT		480 ⁸		TFM ¹⁵ Tenon slipfitter
	Metal halide	100MH ¹			TB⁹		
	50M ^{1,3}	150MH			MVOLT ¹⁰		
	70M^{1,3}				23050HZ ¹¹		

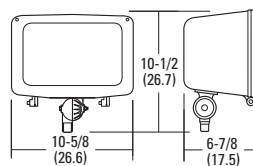
Options	Finish	Lamped
Ships installed	(blank) Dark bronze	LPI Lamp included
SF Single fuse, 120V, 277V, 347V ⁵	DBL Black	L/LP Less lamp
DF Double fuse, 208V, 240V, 480V ⁵	DGC Charcoal gray	
GMF Internal slow-blow fusing ²	DMB Medium bronze	
PE Photoelectric cell, button type ¹⁵	DNA Natural aluminum	
C22 2' 12-3 cord prewired ¹⁶	DWH White	
	CR Enhanced corrosion resistance	
	CRT Non-stick protective coating (black)	

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

LAMP/FIXTURE DATA					
LAMP TYPE	DISTRIBUTION	CIRCUIT	LAMP SHAPE	BEAM SPREAD H° x V°	NEMA DIST.
70S	RB	RNP or XHP	E17	94 x 104	5 x 6
70S	RG	RNP or XHP	E17	42 x 35	3 x 3
70S	TA	RNP or XHP	E17	131 x 103	7 x 6
150S	RB	RNP or XHP	E17	88 x 95	5 x 5
150S	RG	RNP or XHP	E17	57 x 65	4 x 4
150S	TA	RNP or XHP	E17	131 x 103	7 x 6
100M	RB	XHP	E17	83 x 108	5 x 6
100M	RG	XHP	E17	58 x 60	4 x 4
100M	TA	XHP	E17	128 x 107	6 x 6
175M	RB	CWA	ED17	97 x 105	5 x 6
175M	RG	CWA	ED17	42 x 35	4 x 4
26DTT	RB	electronic, HPF	T4	125 x 132	6 x 6
42TRT	RB	electronic, HPF	T4	120 x 122	6 x 6

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EPA: 0.5 ft² (0.05 m²)
Weight: 15 lbs (6.8 kg)

Notes

- Not available with SCWA.
- 120V only, n/a XHP.
- Not available with 480V.
- Not available with SCWA. Requires CSA, NOM, or INTL.
- Not available with TA distribution.
- Not applicable with L/LP.
- TA distribution not available with 175M, compact fluorescent lamps or fusing.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Optional multi-volt electronic ballast (for compact fluorescent lamps only) capable of operating on any line voltage from 120V-277V.
- Consult factory for available wattages.
- Available for 120V only. Standard for 208V, 240V, 277V, 347V and TB. HPS only.
- May be ordered as accessory.
- Must specify finish.
- Must be ordered with fixture; cannot be field installed. Not available 347, 480, or TB.
- Yoke mounting only.
- Prefix with fixture name (e.g., TFMUV) when ordered as accessory.

PRODUCT INFORMATION

TSP

Tru-Sport®



Intended Use

For stadiums, fields, arenas, tracks or courts.

Construction

Housing: Two-piece, die-cast aluminum ballast housing mounted to steel trunnion. Removable ballast is hinged with captive fastener. Steel trunnion features both vertical and horizontal aiming scale with vertical repositioning stop. Standard finish is white (DWH) corrosion-resistant polyester powder. Additional architectural colors available; see www.lithonia.com/archcolors.

Optics

Heavy-gauge anodized reflector with five distributions available. Transverse mounting of lamp. Lamp support included. Optical chamber is sealed to inhibit entrance of contaminants. Heavy-duty hinged lens is thermal-resistant, shock-resistant and impact-resistant tempered glass. Lens frame is secured by spring clips for servicing of lamp. "Flux manager" (NFX, WFX, MFX) available for optimal glare and spill light control. Choice of general purpose or heavy-duty (shrouded) reflectors.

Electrical

All electrical components are thermally isolated from optical assembly, promoting longer life. All ballasts are 100% factory tested. Constant wattage autotransformer 400W and above. Super CWA Pulse Start ballast, 88% efficient and EISA legislation compliant, is required for 400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Die-cast socket housing. Porcelain, mogul-base socket with copper alloy, nickel-plated screw shell and

spring-loaded center contact. UL Listed 1500W-600V, 4KV pulse rated.

Installation

Fixture is mounted by securing trunnion directly to crossarm. Mounting hardware is provided. Below horizontal aiming only. All external hardware is treated for corrosion resistance.

Listings

UL Listed (standard). CSA Certified (see Options). UL Listed for 25°C ambient and wet locations. US Patent No. 6,190,023. Canadian Patent No. 2,212,014. Other patents pending.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

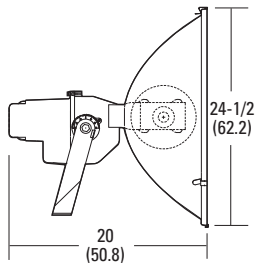
Example: TSP 1500M GP24N TB

Wattage	Lamp type	Distribution	Voltage	Ballast	Mounting	
TSP	400M	General purpose	120	(blank) Magnetic ballast	<u>Ships installed</u>	FCRA45 Crossarm adaptor (45° from horizontal)
	1000M	GP24N	208 ³	CWI Constant wattage isolated ⁵	(blank) Yoke (std.)	FPMB Wall/pole mounting bracket
	1500M¹	GP24NFX	240 ³	SCWA Super CWA ballast	<u>Ships separately⁶</u>	FSAB Steel angle bracket
		GP24M	277		FRWB Radius wall bracket	FCX2 2-Light wood pole crossarm
		GP24MFX	347		FTS Tenon slipfitter (2-3/8" to 2-7/8" OD tenon)	FCX3 3-Light wood pole crossarm
		GP24W	480³		FCRA Crossarm adaptor	FCX4 4-Light wood pole crossarm
	GP24WFX	HD24WFX	TB⁴ 23050HZ ⁵			
Options						Finish
SF	Single fuse, 120V, 277V, 347V			SLR	Stainless steel lens ring	(blank) White (std.)
DF	Double fuse, 208V, 240V, 480V			WC	Mounting bolt for wooden crossarm	DDB Dark bronze
QRS	Quartz restrike system ⁷			CSA	Meets Canadian standards	DBL Black
C22	2' 12-3 cord prewired			NOM	Meets Mexican standards (consult factory)	DMB Medium bronze
C42	2' 14-3 cord prewired			INTL	Available for MH probe start shipping outside the U.S.	DNA Natural aluminum
C62	2' 16-3 cord prewired					CR Enhanced corrosion resistance
CV3P	3' of 16-3 cord prewired with 3-prong plug for use with prewired cages ⁸					CRT Non-stick protective coating (black)
CF	Charcoal filter ⁹					

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



EPA: 3.3 ft² (0.91m²)
Max weight: 55 lbs (24.9 kg)

Notes

- Not available with SCWA.
- Heavy-duty anodized aluminum shroud painted to match fixture.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- May be ordered as an accessory. Must specify finish.
- Maximum allowable wattage lamp included.
- Must use mating receptacle, provided by others (N/A 1500M 120V).
- HD option must be ordered.

TV



Intended Use
Ideal for recreational or competitive sports fields, parking areas and industrial yards.

Construction
Housing: Heavy-gauge, hydroformed aluminum ballast housing mounted to integral die-cast monoframe with horizontal degree aiming scale and repositioning locator. Die-cast aluminum socket housing provides vertical aiming adjustment with degree aiming scale and repositioning stop.

Finish: Standard finish is dark bronze polyester powder. Ad-

ditional architectural colors available; see www.lithonia.com/archcolors.

Optics
Heavy-gauge anodized aluminum reflectors provide a range of NEMA beam spreads. Optical chamber sealed to inhibit entrance of contaminants. Hinged lens is heavy-duty, thermal-, shock- and impact-resistant tempered glass.

Electrical
All electrical components are thermally isolated from optical assembly, promoting longer life. All bal-

lasts are 100% factory tested. Constant wattage autotransformer 400W and above. Super CWA Pulse Start ballast, 88% efficient and EISA legislation compliant, is required for 400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Porcelain, mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V.

Installation
Mounted by securing integral cross arm mounting bracket directly to cross arm. No additional adaptors are required. A 5/8" 11UNC mounting bolt provided. Exposed bolt length: 1-1/2".

Listings
UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for 25°C ambient and wet locations.



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: TV 1000M GP4 TB

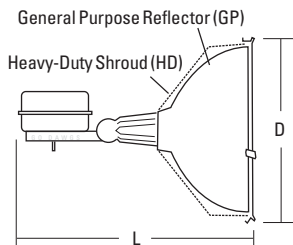
Series	Lamp type	Distribution	Voltage	Ballast	Mounting
TV	High pressure sodium ¹	General purpose	120	Ships installed	Ships separately ^{7,8}
	400S	GP2 ²	208 ⁴	(blank) Magnetic ballast	FRWB Radius wall bracket ⁹
	1000S	GP3 ²	240 ⁴	CWI Constant wattage isolated ⁶	TVTS Tenon slipfitter
	Metal halide	GP4	277	SCWA Super CWA ballast	FSAB Steel angle bracket
	400M	GP5	347	Ships separately ^{6,7}	FCX2 2-Light wood pole crossarm
	1000M	GP6	480 ⁴	HRBW HID remote ballast weatherproof (black)	FCX3 3-Light wood pole crossarm
	1500M¹		TB⁵	HRB HID remote ballast (white)	FCX4 4-Light wood pole crossarm
			23050HZ ⁶		

Options				Finish	
Ships installed		C62 2' 16-3 cord prewired	IBL Internal bottom louver	PE4 NEMA twist-lock PE (480V)	(blank) Dark bronze (std.)
SF Single fuse, 120V, 277V, 347V	CV3P 3' of 16-3 cord prewired with 3-prong plug for use with prewired cages ¹²	CV3P	CSA Meets Canadian standards	PE7 NEMA twist-lock PE (277V)	DBL Black
DF Double fuse, 208V, 240V, 480V	CF Charcoal filter ¹³	CF	NOM Meets Mexican standards (consult factory)	SC Shorting cap	DMB Medium bronze
QRS Quartz restrrike system ¹⁰	SLR Stainless steel lens ring	SLR	INTL Available for MH probe start shipping outside the U.S.	UV Upper visor ⁸	DNA Natural aluminum
PER NEMA twist-lock receptacle only ¹¹	WC Mounting bolt for wooden crossarm	WC	Ships separately ⁷		DWH White
C22 2' 12-3 cord prewired	LS Lamp support	LS	PE1 NEMA twist-lock PE (120, 208, 240V)		CR Enhanced corrosion resistance
C42 2' 14-3 cord prewired	AH Above horizontal aiming	AH	PE3 NEMA twist-lock PE (347V)		CRT Non-stick protective coating (black)

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	NEMA 2, 3	NEMA 4, 5, 6
EPA:	2.9 ft ² (0.27m ²)	2.5 ft ² (0.23 m ²)
Diameter:	23-1/8 (58.7)	21-1/2 (54.6)
Length:	30 (76.2)	31-1/2 (80.0)
Weight:	53 lbs (24.0 kg)	53 lbs (24.0 kg)

Notes

- Not available with SCWA.
- Not available with 1000S.
- Heavy-duty anodized aluminum shroud painted to match fixture.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Consult factory for available wattages.
- May be ordered as an accessory.
- Must specify finish.
- For use with slipfitter.
- Maximum allowable wattage lamp included.
- Photocell not included. Not available 1500M.
- Must use mating receptacle, provided by others (n/a 1500M 120V).
- HD option must be ordered.

PRODUCT INFORMATION

FLOODLIGHTS



Intended Use

Floodlight for commercial or residential signs, entry monuments or facades. HID, quartz, and compact fluorescent sources.

Construction

Rugged, die-cast aluminum housing is ribbed for maximum heat dissipation. Die-cast aluminum doorframes. F500QL lens attaches with clips. FP is polycarbonate. Finish is dark

Optics

Anodized aluminum reflectors with high efficiency and wide beam spread. F150MSL features a spot distribution.

Electrical

120 volt reactor, normal power factor for 50-150 HPS and 70-100MH. Quad tap, high reactance, high power factor for 150M. Medium base socket.
Quad tap, super CWA for 250M and 400M. Mogul-base socket.

120V for 13W (for CFL) or 500W (for quartz). Lamps included. 13W compact fluorescent lamp is a twin-tube.

Double-ended 1500W voltage determined by lamp (not included).

Installation

Floodlights feature adjustable mounting knuckle with 1/2" NPS threaded stem. Mounts to standard outlet boxes. Medium floods (250M and 400M) are yoke mount.

Listings

Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards. 25°C maximum ambient temperature. Fixtures are covered by Lithonia Lighting 12-month warranty against mechanical defects in manufacture.



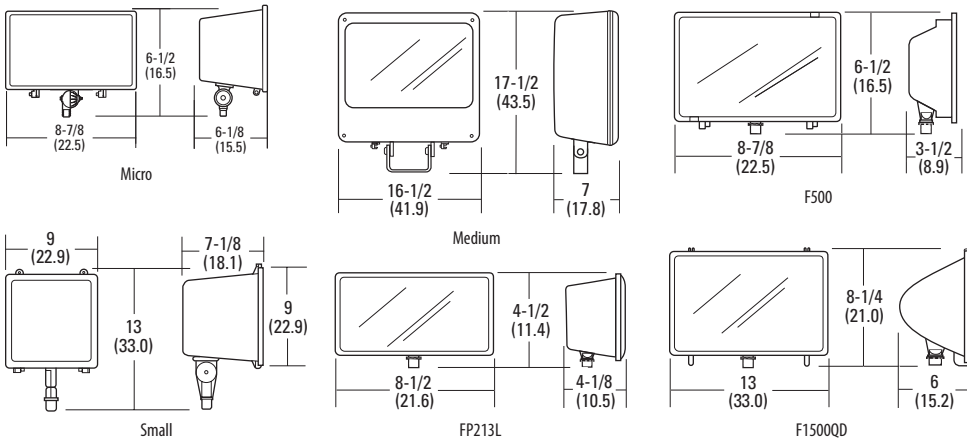
ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	WATTAGE	LAMP TYPE	VOLTAGE	FINISH	LAMP INCLUDED	APPROX. WEIGHT (LBS)	STANDARD CARTON QTY.
F50SL 120 M6	Micro floodlight	50S	HPS	120	Dark bronze	Y	7	6
F70SL 120 M6	Micro floodlight	70S	HPS	120	Dark bronze	Y	7	6
F100SL 120 M6	Micro floodlight	100S	HPS	120	Dark bronze	Y	7	6
F150SL 120 M6	Micro floodlight	150S	HPS	120	Dark bronze	Y	7	6
F70ML 120 M6	Micro floodlight	70M	MH	120	Dark bronze	Y	7	6
F100ML 120 M6	Micro floodlight	100M	MH	120	Dark bronze	Y	7	6
F150ML M4	Small floodlight	150M	MH	120/208/240/277	Dark bronze	Y	14	4
F150MSL M4	Spot, small floodlight	150M	MH	120/208/240/277	Dark bronze	Y	14	4
F250ML SCWA	Medium floodlight	250M	MH	120/208/240/277	Dark bronze	Y	29	1
F400ML SCWA	Medium floodlight	400M	MH	120/208/240/277	Dark bronze	Y	29	1
F13L 120 M12	Cast-glass floodlight	13	CFL	120	Dark bronze	Y	6	12
F213L 120 M12	Cast-glass floodlight	13	CFL	120	Dark bronze	Y	6	12
FP213L 120 M12	Polycarbonate floodlight	13	CFL	120	Dark bronze	Y	2	12
F500QL 120 M12	Cast-glass floodlight	500Q	Quartz	120	Dark bronze	Y	3	12
F500QLD 120 M12	Cast-glass floodlight	500Q	Quartz	120	Dark bronze	Y	3	12
F1500QD M6	Cast-glass floodlight	1500Q	Quartz	--	Dark bronze	N	6	6

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



WORKLIGHTS

Intended Use

Temporary work light for residential or commercial applications. Portable unit uses one 500W quartz lamp; tripod unit uses two 500W quartz lamps. Lamp(s) included.

Construction

Rugged, die-cast aluminum housing is ribbed for maximum heat dissipation. Die-cast aluminum door-frame. Tempered glass lens. Yellow finish.

Installation

Protective wire guard. Adjustable stand for tripod configuration. 5' cord set with grounded plug for portable unit; 7' for tripod unit. Padded, insulated handlebar.

Listings

UL Listed to U.S. and Canadian safety standards. UL/C-UL Listed for wet locations.



CONTRACTOR
SELECT

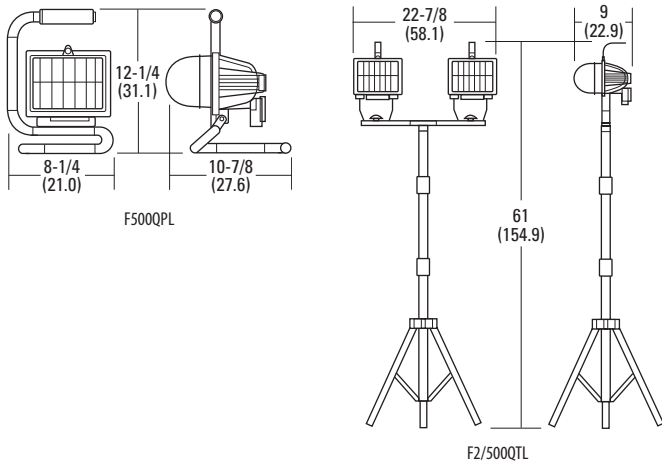
ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	WATTAGE	LAMP TYPE	VOLTAGE	LAMP INCLUDED	APPROX.WEIGHT (LBS)	STANDARD CARTON QUANTITY
F500QPL M6	Portable worklight	500	Quartz	120	Y	4	6
F2/500QTL M2	Tripod stand worklight	500	Quartz	120	Y	11	2

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

LANDSCAPE FLOODLIGHTING



Intended Use
Ideal for commercial or residential landscape, sign or facade applications.

Construction
Rugged, die-cast aluminum housing. Landscape post is constructed of heavy-wall extruded aluminum.

Electrical
Fixtures are 120V incandescent only. Lamp is not included.

Installation
Adjustable mounting knuckle with 1/2" NPS

threaded stem. Mounting post provides a stable platform for ease of installation.

Listings
Listed and labeled to UL standards for wet locations. Listed and labeled to CSA standards. Fixtures are covered by Lithonia Lighting 12-month warranty against mechanical defects in manufacture.

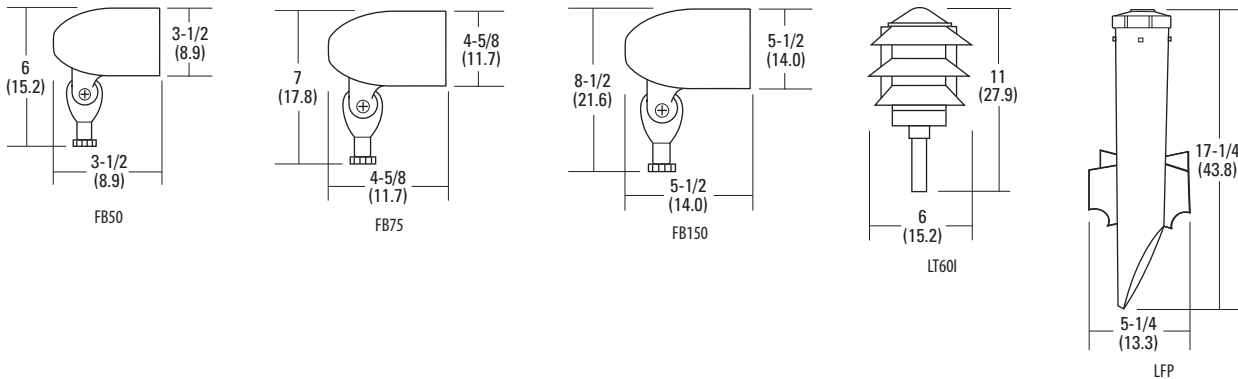
CONTRACTOR
SELECT

ORDERING INFORMATION

CATALOG NUMBER	DESCRIPTION	WATTAGE	LAMP TYPE	VOLTAGE	FINISH	LAMP INCLUDED	APPROX. WEIGHT (LBS)	STANDARD CARTON QTY.
FB50I M12	PAR20 bullet flood	50	Incandescent	120	Black	N	1	12
FB50IG M12	PAR20 bullet flood	50	Incandescent	120	Green	N	1	12
FB50IW M12	PAR20 bullet flood	50	Incandescent	120	White	N	1	12
FB75I M12	PAR30 bullet flood	75	Incandescent	120	Black	N	1	12
FB75IG M12	PAR30 bullet flood	75	Incandescent	120	Green	N	1	12
FB75IW M12	PAR30 bullet flood	75	Incandescent	120	White	N	1	12
FB150I M12	PAR38 bullet flood	150	Incandescent	120	Black	N	2	12
FB150IG M12	PAR38 bullet flood	150	Incandescent	120	Green	N	2	12
FB150IW M12	PAR38 bullet flood	150	Incandescent	120	White	N	2	12
LT60I M12	Tiered pagoda	60	Incandescent	120	Black	N	1	12
LT60IG M12	Tiered pagoda	60	Incandescent	120	Green	N	1	12
LT60IW M12	Tiered pagoda	60	Incandescent	120	White	N	1	12
LFP M6	Landscape post	--	--	--	Black	--	2	6
LFPG M6	Landscape post	--	--	--	Green	--	2	6
LFPW M6	Landscape post	--	--	--	White	--	2	6

ADDITIONAL INFORMATION For additional product information, visit www.lithonia.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

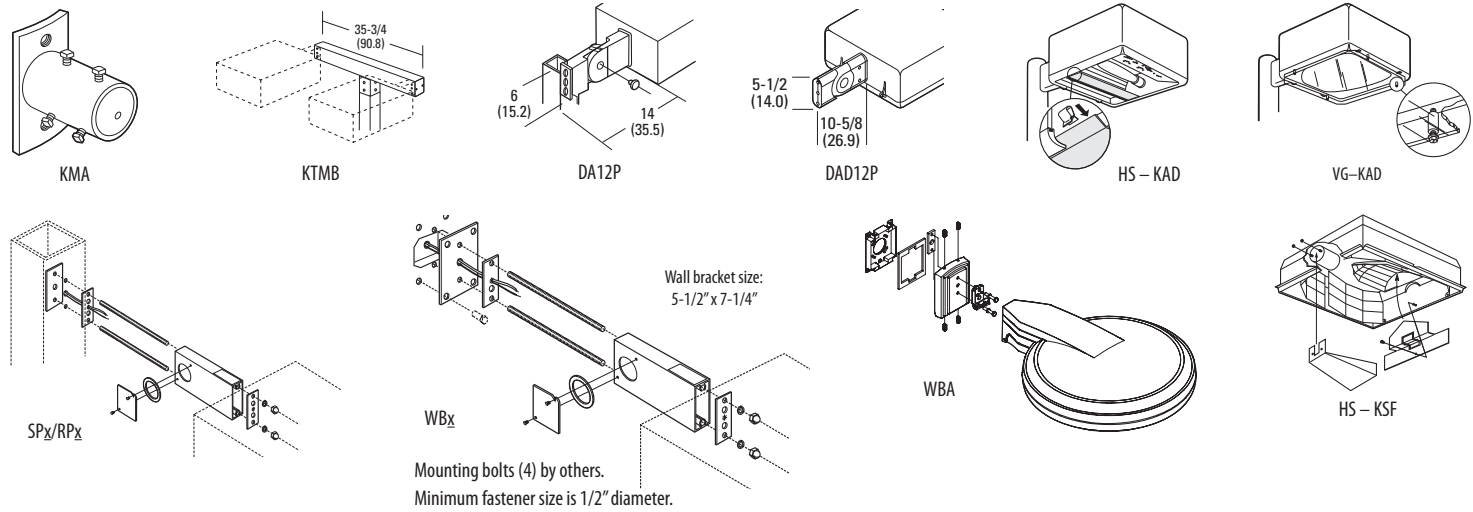


AREA LIGHTING

OPTIONS & ACCESSORIES

- = Available as an option, shipped included
- = Available as an accessory, shipped separately

NOMENCLATURE	DESCRIPTION	AS	KSE	KSF	KAD	KAC	KVE	KVR	KVS	KAR	KVF	MR	MRP
DA12P	Degree mounting arm. 30° max. up tilt in 5° increments. Single or twin 180° config. for KVS.		□	□					□				
DA12WB	Degree arm for wall. 30° max. up tilt in 5° increments. Single or twin 180° config. for KVS.		□	□					□				
DAD12P	Degree mounting arm. 30° max. up tilt, 5° increments.				□	□							
DAD12WB	Degree arm for wall. 30° max. up tilt, 5° increments.				□	□							
EHS	External house-side shield.							□			□		
HS	House-side shield (consult factory). (Ships separate for KVE R2, R3).	■	□	□	□		■		■	■		■	■
KMA	Mast arm mounting for area lighting, 6" min. arm length. Use for 2-3/8" OD pipe.	□	□	□	□	□	□	□	□	□	□		
KTMB	Twin mounting bar square mounting arms. (EPA=1.1, wt.=41lbs) Mounts on T25 (2-7/8" OD tenon by 5" tall minimum).		□	□	□	□		□	□	□	□		
MA	Master arm for single/twin 180° configuration, internal fitter (Size 3 only).								■				
PT4	Post-top (4" OD open-top pole).						■	■			■		■
PT45	Post-top (4-1/2" OD open-top pole).						■	■			■		■
PT5	Post-top (5" OD open-top pole).						■	■			■		■
PT6	Post-top. Must use with round pole only for KVR (6" OD open-top pole).						■	■ ²			■ ²		■
RPx	Round pole mounting arm. (14" arm ships separate).	■	■	■	■	■	■	■	□	□	■	■	
RPF20	Round pole fitter (2-3/8" OD tenon).						□	□			□ ²		
RPF25	Round pole fitter (2-7/8" OD tenon).						□	□			□ ²		
MRPF3	4" to 3" O.D. round open-top pole fitter.												□
MRPF5	4" to 5" O.D. round open-top pole fitter.												□
MRPT20	MRP round pole fitter (2-3/8" tenon).												□
MRPT25	MRP round pole fitter (2-7/8" tenon).												□
MRPT30	MRP round pole fitter (3-1/2" tenon).												□
MRPT35	MRP round pole fitter (4" tenon).												□
SPx	Square pole mounting arm. (14" arm ships separate).	■	■	■	■	■	■	■	□	□	■	■	
SPF20	Square pole fitter (2-3/8" OD tenon).						□	□ ²			□		
SPF25	Square pole fitter (2-7/8" OD tenon).						□	□ ²			□		
VG ³	Vandal guard.	■	□	□	□	□ ³	□	□ ⁴	□	□	□	■	■
WBx	Wall mount for J-box. (Aeris™ only order WBA.) (14" ships separate).	■	■	■	■	■	■	■	□	□	■	■	
WWx	Wall for conduit stub. (14" ships separate).		■	■	■	■	■	■	□	□	■		
DC_	Deco curved arm.	□										□	

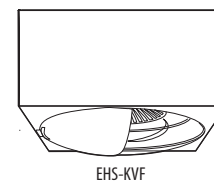
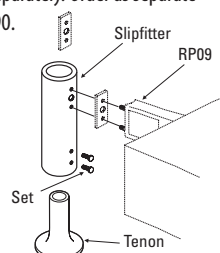


Tenon Slipfitters for Arm-Mounted Luminaires

Use with all arm-mounted luminaires. When ordered, fixture must include round pole arm (RPx) or pole degree aiming arm (DA12P or DAD12P). To order, locate catalog number from chart below based on tenon size and mounting configuration. Example: For 3 fixtures at 120°, using a 2-7/8" tenon, catalog number is T25-320. Shipped separately. Order as separate catalog numbers. For Aeris™ and OMERO™ fixture specify with prefix AS. Example: AS T20-190.

Tenon OD	1 fixture	2 fixtures at 180°	2 fixtures at 90°	3 fixtures at 120°	3 fixtures at 190°	4 fixtures at 90°
2-3/8"	T20-190	T20-280	T20-290*	T20-320*	T20-390*	T20-490*
2-7/8"	T25-190	T25-280	T25-290*	T25-320*	T25-390*	T25-490*
4"	T35-190	T35-280	T35-290*	T35-320	T35-390*	T35-490*

* See product page for size restrictions.



Notes

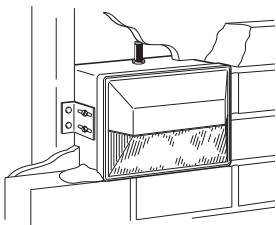
- 1 Size one housing only.
- 2 Size two housing only.
- 3 Only available with FP option.
- 4 Only available in KVS1 (R2, R3 and R4).
- 5 Specify family as prefix when ordering as a separate line item. For arm and/or bracket lengths, see product specification sheet or specific product page in this catalog.

LITHONIA OUTDOOR

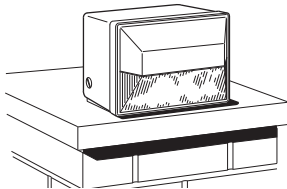
BOLLARDS & WALL MOUNTED LIGHTING

NOMENCLATURE	DESCRIPTION	ASB	ASW	KBA	KBC	KBD	KBE	KBR	KBS	KL	MRW	MRBX	TWH	TWP	TWA/ TWAC	TWR	TWRC	TWS	WFL	WSR/	
																				WST/ WSQ	
BBF	Backbox for flat surfaces.									■											
BBR	Backbox, recessed (ceiling, soffit mount).									■											
BBW ¹	Backbox for surface wall installation.		□							■	□									□	□
FS	Full shield for IES cutoff.												■	■							
FCV	Full cutoff visor.																□				
PC	Polycarbonate lens.									□					□	□			□		
R6S/R8S	Half-shield, not for use with louvered bollards.			□	□	□		□				□									
S6S/S8S	Half-shield, not for use with louvered bollards.	□							□												
WG ¹	Wireguard.		□								□		□	□	□	□	□	□	□	□	□
VG ¹	Vandal guard.		□								□		□	□						□	□
UT5	Uptilt 5 degrees.										□										□
DFL	Diffusing lens.										■										■
WLU	Wet location door for up orientation.										■										■
IBS	Internal backlight shield.										■										■
LC90	Lock at 90° for full cutoff.																			■	
UCS	Uplight component shield for WSR, inverted orientation with FTU or WTU distribution.																				■
HS	House-side shield for SR2,SR3 or SR4W (size 2).		■																		

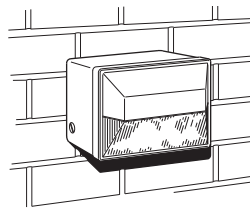
■ = Available as an option, shipped included
 □ = Available as an accessory, shipped separately



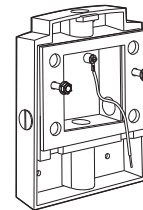
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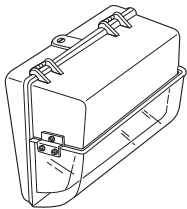
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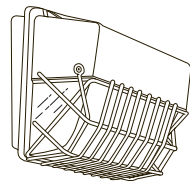
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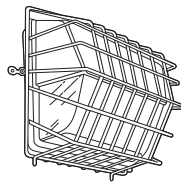
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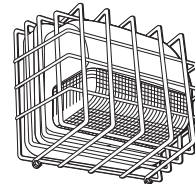
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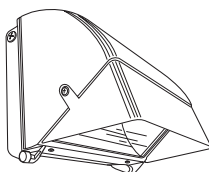
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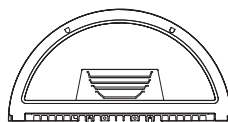
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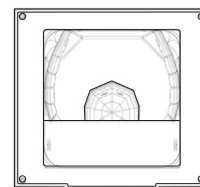
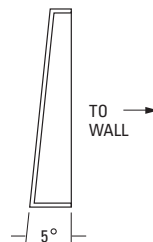
TAWWG



TWRFCV



UT5

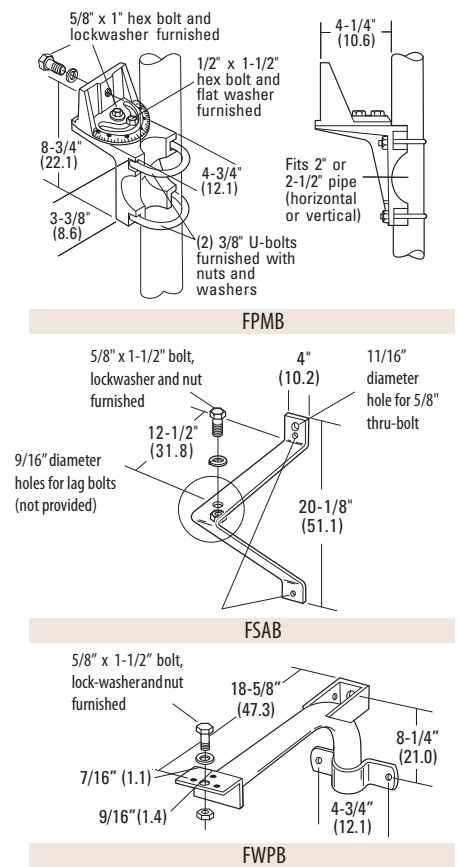
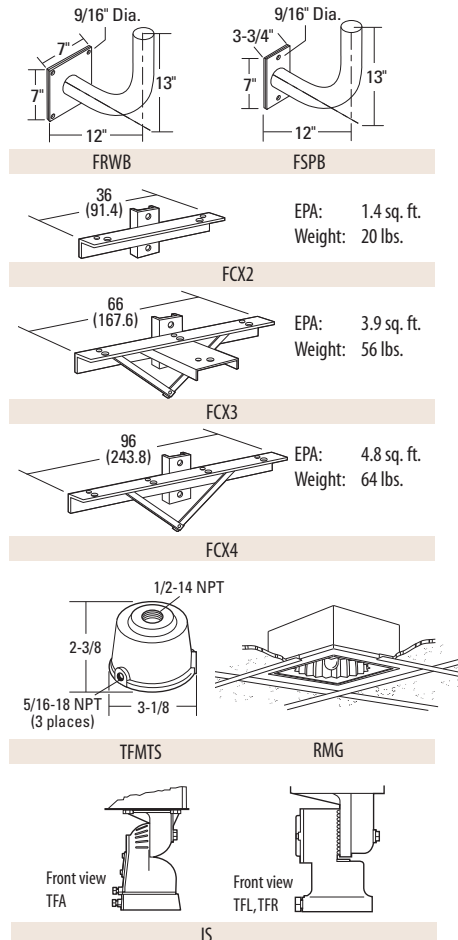
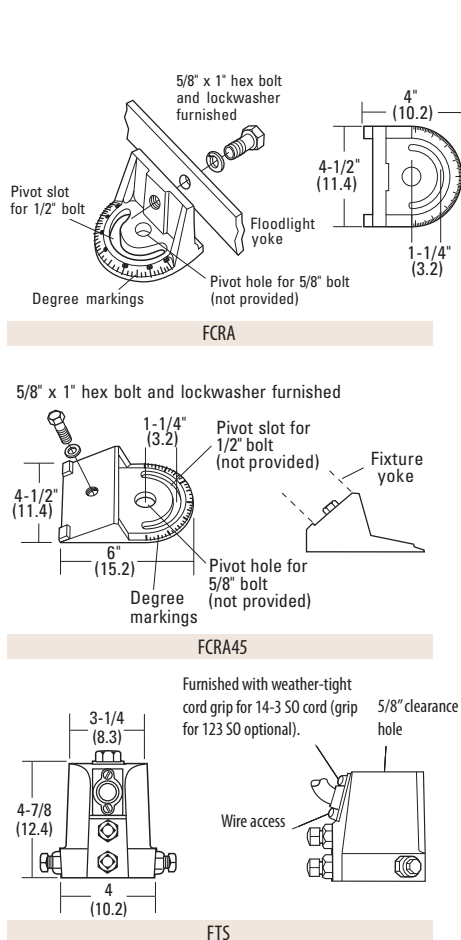


ASWHS

Notes
 1 Specify family prefix.

NOM.	DESCRIPTION	GARAGE		SPORTS		FLOODLIGHTING										
		PGR	KPS	KACM	TSP	TV	ASF	KFL	55	95	170S	TFA	TFR	TFL	TFM	
HS	House-side shield (glare shield).	■														
BDS	Bird-deterrent shroud.	□														
OJB	Offset junction box.	□														
RMG	Recessed mount in grid ceiling.		■													
SS	Stainless steel, ceiling-mount housing (alloy 304 stainless steel).		■													
AH	Above horizontal aiming.					■										
CF	Charcoal filter; must use with heavy-duty shroud.				■	■										
FCRA ¹	Crossarm adapter for horizontal mounting (use with yoke mount only).				□		□	□			□	□	□	□	□	□
FCRA45 ¹	Crossarm adapter for horizontal mounting 45° (use with yoke mount only).				■		□	□			□	□	□	□	□	□
SLR	Stainless steel lens rings.				■	■										
IBL	Internal bottom louver; cannot order IBL and TVUV together.					■										
FRWB ¹	Radius wall bracket; 2-3/8 diameter (use with slipfitter mount only).				□	□	□	□	□	□	□	□	□	□	□	□
FSAB ¹	Steel angle bracket (use with yoke mount only).				□		□	□	□	□	□	□	□	□	□	□
FSPB ¹	Steel square pole bracket (for use with existing poles). 2-3/8" diameter (use with slipfitter mount only).				□	□	□	□	□	□	□	□	□	□	□	□
FPMB ¹	Pipe/wood/pole/wall mounting bracket. Mounts to 2" schedule 40 pipe (use with yoke mount only).				□	□	□	□	□	□	□	□	□	□	□	□
FWPB ¹	Wall bracket (pipe) (use with yoke mount or standard TV mount).				□	□	□	□	□	□	□	□	□	□	□	□
FTS ¹	Tenon slipfitter; fits 2-3/8" to 2-7/8" OD tenon (use with yoke mount only).				□		□	□	□	□	□	□	□	□	□	□
TVTS ¹	Tenon slipfitter; fits 2-3/8" to 2-7/8" OD tenon.				□	□										
TFMTS ¹	Tenon slipfitter for 1/2" threaded knuckle; fits 1-1/4" to 2-3/8" OD tenon. For ground mount only.									□						□
TVUV	Upper visor; cannot be used with IBL.					□										
FCX2 ¹	2-light wood pole crossarm (use with yoke mount or standard TV mount).				□	□	□	□	□	□	□	□	□	□	□	□
FCX3 ¹	3-light wood pole crossarm (use with yoke mount or standard TV mount).				□	□	□	□	□	□	□	□	□	□	□	□
FCX4 ¹	4-light wood pole crossarm (use with yoke mount or standard TV mount).				□	□	□	□	□	□	□	□	□	□	□	□
YK	Yoke mount, painted.	■	■	■			■	■	■	■	■	■	■	■	■	■
EY	Extended yoke.														■	■
THK	Threaded knuckle mount. (Size 1 only for ASF).								■	■						
IS	Integral slipfitter; fits 2-7/8" max. OD with TFA, 2-3/8" with TFL and TFR.												■	■	■	

■ = Available as an option, shipped included
 □ = Available as an accessory, shipped separately



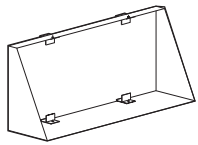
Notes
 1 Order as separate catalog number. Must specify finish.
 2 Ships standard with TSP. Order as separate catalog number for other families.

PRODUCT INFORMATION

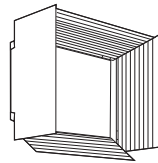
FLOODLIGHTING

NOMENCLATURE	DESCRIPTION	ASF	KFL/WFL	55	95	170S	TFA	TFR	TFL	TFM
BD ²	Barn doors	<input type="checkbox"/>	<input type="checkbox"/>							
BV ²	Bottom visor		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>			
BVG ²	Bubble vandal guard	<input type="checkbox"/>	<input type="checkbox"/>							
CV ²	Concentric visor				<input type="checkbox"/>					
EV ²	Eggcrate visor (black finish)	<input type="checkbox"/>	<input type="checkbox"/>							
FV ²	Full visor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FV/BVG ²	Full visor and bubble vandal guard	<input type="checkbox"/>								
GS ²	Glare shield (upper or bottom visor)	<input type="checkbox"/>								
GV ²	Glare visor			<input type="checkbox"/>	<input type="checkbox"/>					
HLV ²	Horizontal louver (black finish)		<input type="checkbox"/>							
VG ^{1,2}	Vandal guard						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UV ²	Upper visor		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UV/BVG ²	Upper visor and bubble vandal guard		<input type="checkbox"/>							
VLV ²	Vertical louver (black finish)		<input type="checkbox"/>							
WG ²	Wire guard		<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

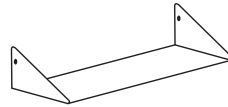
= Available as an accessory, shipped separately



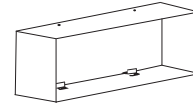
BV – Bottom visor (KFL)



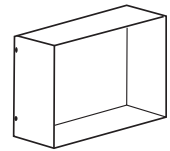
BD – Barn doors (KFL and ASF)



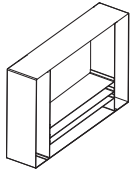
BV – Bottom visor (55/95)



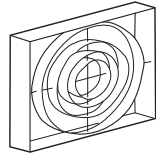
FV – Full visor (KFL and ASF)



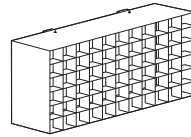
FV – Full visor (55/95)



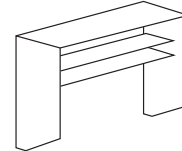
HLV – Horizontal louver (KFL)



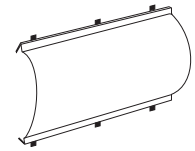
CV – Concentric visor (95)



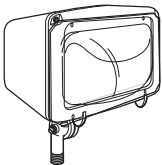
EV – Eggcrate visor (KFL and ASF)



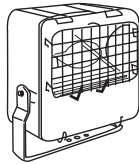
GV – Glare visor (55/95)



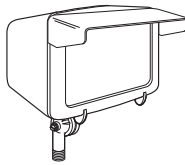
BVG – Vandal guard (KFL and ASF)



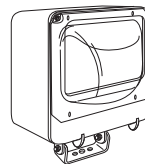
TFMVG/TFRVG



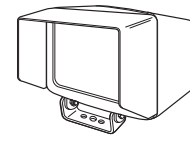
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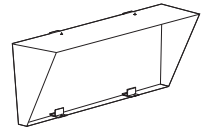
TFMUV/TFRUV



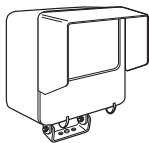
TFLVG



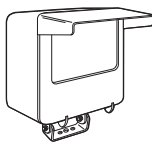
TFMFV/TFRFV



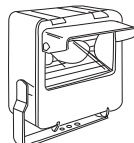
UV – Upper visor (KFL)



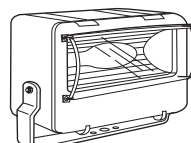
TFLFV



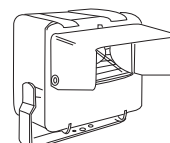
TFLUV



TFAUV



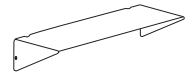
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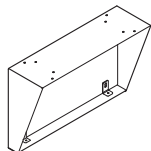
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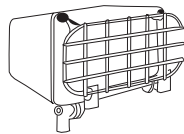
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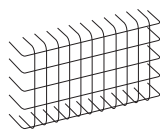
UV – Upper visor (55/95)



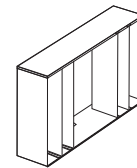
ASFGS



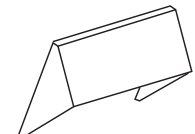
TFMWG/TFRWG



WG – Wireguard (KFL)



VLV – Vertical louver (KFL)



UV – Upper visor (170)

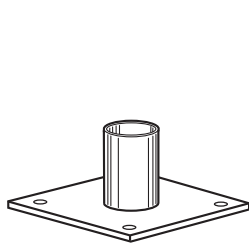
Notes

- 1 Vandal guards are compatible with all wattages.
- 2 Specify family as prefix.

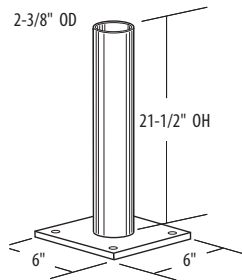
FLOODLIGHTING

NOMENCLATURE	DESCRIPTION	ASF1	ASF2	KFL	55	95	170S	TFA	TFR	TFL	TFM
AJB	Architectural J-box, accepts 1/2" NPT THK.			☐							
AFJB	Architectural J-box, accepts ASF1 standard mounting (3/4" NPT THK).	☐									
EWB	Extended wall bracket, yoke mount only.	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
AFTMB	Twin mounting bar. Requires tenon slipfitter mounting (2-3/8" OD tenon).	☐	☐	☐				☐	☐	☐	
AFTMBTHK	Twin mounting bar, accepts ASF1 standard mounting (3/4" NPT THK).	☐									
KFLMBTHK	Twin mounting bar for THK option. Only compatible with KFLTHK (1/2" NPT).			☐							
AFSTM	Stanchion mount. Requires tenon slipfitter mounting (2-3/8" OD tenon).	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐ ²
AFSTMTHK	Stanchion mount, accepts ASF1 standard mounting (3/4" NPT THK).	☐									
KFLSTMTHK	Stanchion mount, accepts 1/2" NPT THK			☐							
AFTM	Tenon-base mount. Requires tenon slipfitter mounting (2-3/8" OD tenon).	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐ ²
AFWMA	Wall-mount arm. Requires tenon slipfitter mounting (2-3/8" OD tenon).	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐ ²
AFWMATHK	Wall-mount arm, accepts ASF1 standard mounting (3/4" NPT THK).	☐									
KFLWMATHK	Wall-mount arm, accepts 1/2" NPT THK			☐							
AFWMPTHK	Wall-mount plate, accepts ASF1 standard mounting (3/4" NPT THK).	☐									
TS	Tenon slipfitter. Fits 2-3/8" OD tenon (use with 2-1/2" wide yoke only).				☐	☐	☐				
AFTS	Tenon slipfitter, accepts ASF1 standard mounting (3/4" NPT THK).	☐									
STM	Stanchion mount – general purpose (2-3/8" OD tenon).	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐ ²

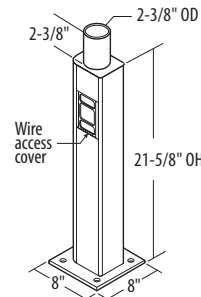
☐ = Available as an accessory, shipped separately. Must specify finish.



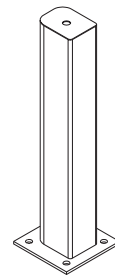
AFTM – Tenon base mount



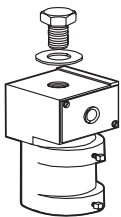
STM – Stanchion mount, general purpose



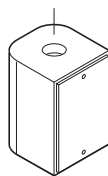
AFSTM – Stanchion mount for tenon slipfitter mounting



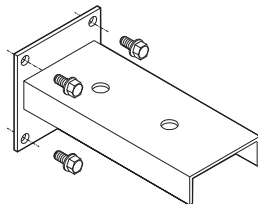
AFSTMTHK and KFLSTMTHK – Stanchion mount for threaded knuckle



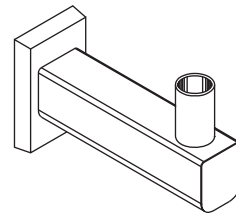
TS – Tenon Slipfilter



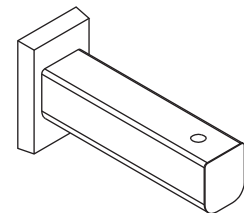
AFJB and AJB – Architectural junction box



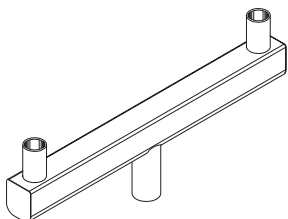
EWB – Extended wall bracket



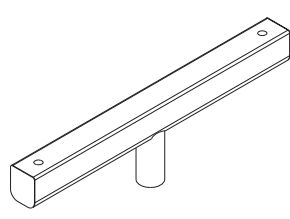
AFWMA – Wall mount for tenon slipfitter mounting



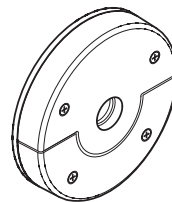
AFWMATHK and KFLWMATHK – Wall-mount arm for threaded knuckle



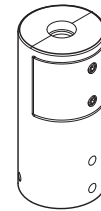
AFTMB – Twin mounting bar for tenon slipfitter mounting



AFTMBTHK and KFLMBTHK – Twin mounting bar for threaded knuckle



AFWMPTHK – Wall mounting plate for 3/4" NPT threaded knuckle

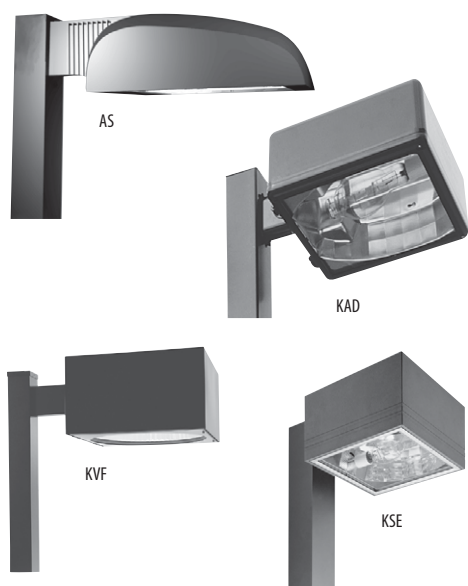


AFTS – Tenon slipfitter for 3/4" NPT threaded knuckle

Notes

- 1 When used with TFM yoke a 3/8" bolt, two lockwashers and nuts must be furnished by others.
- 2 For use with TFMTS.

AREA LIGHTING



Lithonia Lighting is a leader in providing a variety of outdoor luminaires devoted to energy and environmental concerns. Many communities are interested in maintaining nighttime visibility, safety and security while preserving the night sky. Quality outdoor lighting considers the visual needs of the application while reducing glare and light trespass onto neighboring properties, therefore minimizing sky glow and overall

energy usage. Listed below are several Lithonia Lighting product families that include a wide range of cutoff and full-cutoff luminaires that produce quality lighting and minimize night sky glow.

The Illuminating Engineering Society of North America (IESNA, or IES) provides classifications for luminaires according to their glare control and high-angle brightness. These classifications, along

with their benefits and limitations, are described in the Technical and Design Considerations section on page 776.

Acuity Brands Lighting uses Nighttime Friendly™ to identify products that reduce negative impacts on the nighttime environment. Products designated with the Nighttime Friendly logo have no uplight, meet the IESNA definition for full cutoff

optics and reduce high angle brightness. These measures of luminaire performance are consistent with sustainability standards for light pollution reduction.

For applications where there is a concern with light trespass on neighboring properties, consider products that limit light behind the pole, such as the Type 4 sharp cutoff optical system or house-side shielding.



Nighttime Friendly designates products with superior optical control that are consistent with the goals of USGBC LEED® and meet Green Globes™ product criteria for light pollution reduction. These products are full cutoff and no more than 10% of the lumens from the luminaire are emitted above 80 degrees from nadir.

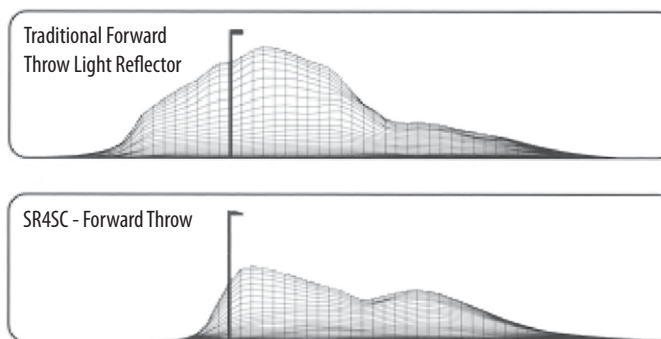
LUMINAIRE	MEETS NIGHTTIME FRIENDLY™ CRITERIA	FULL CUTOFF	PSG PAGE	COMMENTS	TRESPASS SOLUTIONS: SHARP CUTOFF OPTICAL SYSTEM
AS	✓ ¹	✓	520	Aeris™ die-cast housing, dedicated optical platform, 2 housing sizes, flat lens, 400W max.	SR4SC
AST	✓ ¹	✓	520	Aeris™ die-cast housing, dedicated optical platform, aesthetically pleasing tension rod assembly, 2 housing sizes, flat lens, 400W max.	SR4SC
KAD	✓	✓	534	Square die-cast housing, flat lens, 400W max.	SR4SC
KADT	✓	✓	534	Square die-cast housing, aesthetically pleasing tension rod assembly, flat lens, 400W max.	SR4SC
KSF	✓	✓	524	Rectangular housing, 3 housing sizes, flat lens, 1000W max.	R4SC
KSE	✓	✓	526	Crisp square housing, 2 housing sizes, flat lens, 400W max.	R4SC
KVF	✓ ²	✓	528	Square vertical lamp, flat lens, 1000W max.	SR4SC
KAR	✓ ¹	✓	531	Round housing, 3 housing sizes, flat lens, 1000W max.	
MR	✓ ¹	✓	521	MR die-cast housing, dedicated optical platform, 2 housing sizes, flat lens, 400W max.	SR4SC
MRT	✓ ¹	✓	521	MRT die-cast housing, dedicated optical platform, aesthetically pleasing tension rod assembly, 2 housing sizes, flat lens, 400W max.	SR4SC

Sharp Cutoff & Light Trespass

Spill light or light trespass is the light that illuminates surfaces beyond the property line. An example is the light on a bedroom wall coming through the window from the ball field across the street. A number of ordinances place limits on spill light near the

property line as the sole means of controlling light trespass. The most effective way to minimize spill light from a location is to apply forward throw optics around the perimeter. Lithonia Lighting's optic is designed specifically for this application.

For more information on sharp cutoff, visit www.lithonia.com/CutoffLighting/AreaLuminaires.htm.



Notes

- 1 May not meet Nighttime Friendly™ standards with HS option.
- 2 Will not meet Nighttime Friendly™ standards with DL or EHS options.

Lithonia Lighting has a diverse selection of wall mounted luminaires to complement our various Nighttime Friendly™ area luminaires. Listed below are several product families that include a wide range of cutoff and full-cutoff luminaires that produce quality lighting and minimize night sky glow.

WALL MOUNTED LIGHTING



LUMINAIRE	MEETS NIGHTTIME FRIENDLY™ CRITERIA	FULL CUTOFF	CUTOFF	PSG PAGE	COMMENTS
ASW	✓ ²	✓		542	Aeris™ die-cast housing, architectural style, 2 housing sizes, 400W max.
WSR ¹ , WST, WSQ	✓ ³	✓		544	Decorative die-cast housing, 175W max.
WFL	✓ ²	✓		546	Architectural style, 2 housing sizes, 400W max., can be ordered with LC90 option to prevent field adjustment.
TWAC			✓	552	Vandal-resistant, polycarbonate lens, 100W max.
TWRC			✓	554	General purpose, die-cast aluminum and tempered glass, 400W max., optional full cutoff visor (FCV)
TWR1S	✓	✓		554	General purpose, die-cast aluminum and tempered glass, 175W max.
MRW	✓ ²	✓		543	Omero™ die-cast housing, architectural style, 175W max.

Design Recommendations From Industry Associations

Lithonia Lighting is a member of, and participates in the activities of all the associations below.

IESNA

The Illuminating Engineering Society of North America provides a variety of reference material on effective outdoor lighting design. Both the IESNA Lighting Handbook, 9th edition, and Recommended Practice No. 33 (RP-33-99), Lighting for Exterior Environments, offer discussions on design practices and suggested spill light limitations.

NEMA

The Luminaire Section of the National Electrical Manufacturers Association published a document entitled "White Paper on Outdoor Lighting Code Issues". This paper highlights the pros and cons of methods to control light trespass.

The NEMA Statement of Principles on Outdoor Lighting Codes also provides general guidance in the establishment of local lighting ordinances.

IDA

The International Dark-Sky Association is a grassroots organization that promotes quality outdoor lighting practices. Of particular interest to IDA is the reduction of sky glow. Their guidelines are of significant benefit for lighting installations near astronomical observatories or intrinsically dark areas such as national parks.

Notes

- 1 WSR is downlight only.
- 2 May depend on optical selection. Consult factory.
- 3 Does not meet Nighttime Friendly™ standards with uplight distribution options.

FLOODLIGHTING

IES Beamspread Classifications

for general-purpose floodlighting

The IES beam spreads indicate the angular ranges (horizontally and vertically) through which the intensity of the floodlight is greater than 10% of its maximum intensity. This angular range is referred to as the 'Field Angle'.

For example:

Asymmetrical beam spread
 138° (H) x 119° (V)
 Horizontal Vertical
 = IES 7 x 6

FIELD ANGLE DEGREES	IES TYPE	BEAM DESCRIPTION
10° up to 18°	1	Very narrow
18° up to 29°	2	Narrow
29° up to 46°	3	Medium narrow
46° up to 70°	4	Medium
70° up to 100°	5	Medium wide
100° up to 130°	6	Wide
130° and up	7	Very wide

The IES classification was formerly referred to as NEMA Type.

The following outdoor design tips provide general guidelines for lighting design. These guidelines may not apply to all applications.

Facade Lighting

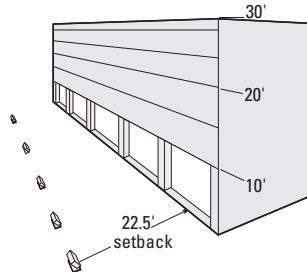
When lighting building facades with ground-mounted floodlights, there are three considerations:

1. Setback
2. Spacing
3. Aiming

1. Setback

The recommended setback is three-fourths the building height. If a building is 30 feet tall, the recommended setback is 22.5 feet from the building. Locating the floodlight closer to the building will sacrifice uniformity; setting it farther back will result in a loss of efficiency.

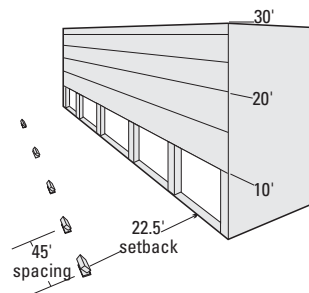
Setback distance = 3/4 x building height
 3/4 (30 ft.) = 22.5 ft.



2. Spacing

The rule of thumb for spacing floodlights is not to exceed two times the setback distance. If the setback is 22.5 feet, the floodlights should not be placed more than 45 feet apart.

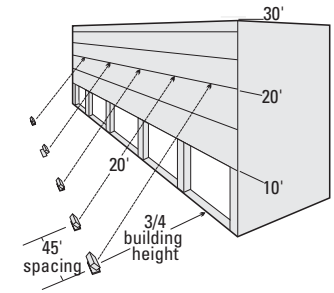
Spacing = 2 x setback distance
 2 x 22.5 ft. = 45 ft. apart



3. Aiming

The floodlight should be aimed at least two-thirds the height of the building. For example, if a building is 30 feet high, the recommended aiming point is approximately 20 feet high. After installation is complete, aiming can be adjusted to produce the best appearance. Mounting a full or upper visor to the floodlight can reduce unwanted spill light.

Aiming point = 2/3 x building height
 2/3 (30 ft.) = 20 ft. high



Sign Lighting

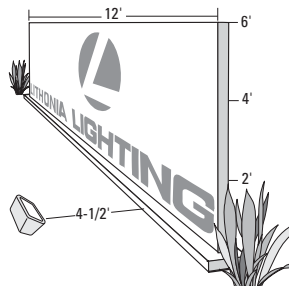
When lighting a sign with ground-mounted floodlights, there are three considerations:

1. Setback
2. Spacing
3. Aiming

1. Setback

When using ground-mounted floodlights to light a sign, the recommended setback is a distance equal to three-fourths the sign height. For example, the setback distance for a 12-foot by 6-foot sign would be 4.5 feet. Locating the floodlight closer will sacrifice uniformity while setting it farther back will result in a loss of efficiency.

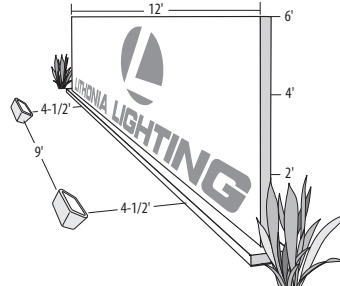
Setback distance = 3/4 x sign height
 3/4 (6 ft.) = 4.5 ft.



2. Spacing

The rule of thumb for spacing floodlights is not to exceed two times the setback distance. If the setback is 4.5 feet, the floodlights should not be placed more than 9 feet apart.

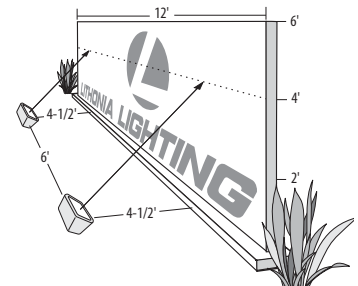
Spacing = 2 x setback distance
 4.5 ft. x 2 = 9 ft. apart



3. Aiming

The floodlight should be aimed at least two-thirds up the sign. For example, if a sign is 6 feet tall, then the floodlight will be aimed approximately 4 feet high. After installation is completed, aiming can be adjusted to produce the best appearance. Mounting a full or upper visor to the floodlight can reduce unwanted glare.

Aiming point = 2/3 x sign height
 2/3 (6 ft.) = 4 ft. high



FLOODLIGHTING

Flag Lighting

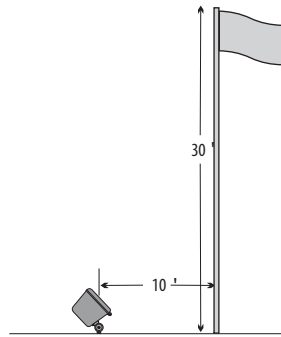
When using ground-mounted floodlights to light flags there are three considerations:

1. Setback
2. Spacing
3. Aiming

1. Setback

The recommended setback for lighting a flag is one-third times the pole height. If the pole is 30 feet tall, the floodlight should be set back a distance of 10 feet away from the pole.

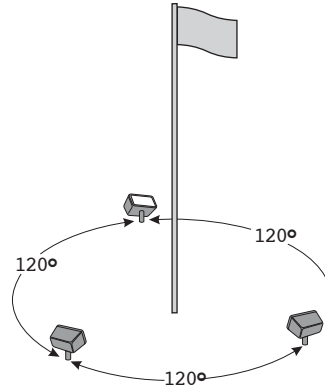
Setback distance = $1/3 \times$ pole height
 $1/3 (30 \text{ ft.}) = 10 \text{ ft.}$



2. Spacing

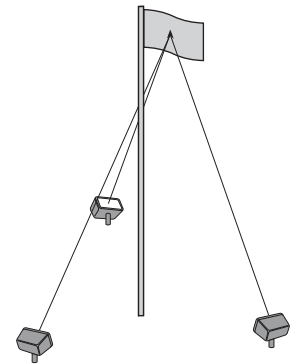
Ideally, three floodlights are recommended to light a flag. The floodlights should be placed approximately 120° apart.

3 floodlights spaced 120° apart



3. Aiming

The recommended aiming point for each floodlight is the center of the flag or the top of the pole. *Mounting a full or upper visor to the floodlight can reduce unwanted spill light.*



Pole Mounted Floodlights

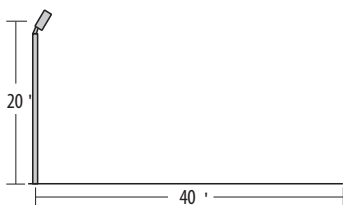
Pole-mounted floodlights are commonly used for general area lighting applications such as parking lots and storage yards. When using pole-mounted floodlights, there are four considerations:

1. Mounting height
2. Spacing
3. Vertical aiming
4. Horizontal aiming

1. Mounting Height

The recommended mounting height is one half the distance across the area to be lighted. If the area to be lighted is 40 feet across, the lowest recommended mounting height is 20 feet.

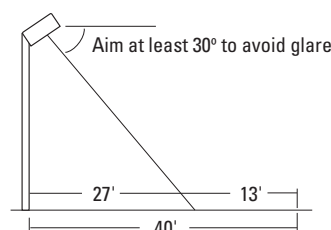
Mounting height = $1/2$ distance to be lighted
 $1/2 (40 \text{ ft.}) = 20 \text{ ft.}$



2. Spacing

When more than one pole is added, pole placement is a concern. The "4 times" rule of thumb for spacing indicates that a pole should be placed four times the mounting height from the adjacent poles. If a flood is mounted on a 20-foot pole, space the poles 80 feet apart.

Pole spacing = $4 \times$ mounting height
 $4 (20 \text{ ft. pole}) = 80 \text{ feet between poles}$



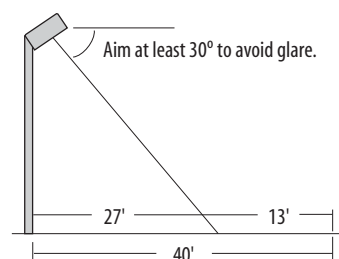
3. Vertical Aiming

A single floodlight uses the two-thirds rule of thumb for vertical aiming. The fixture is aimed two-thirds of the distance across the area to be lighted and at least 30° below horizontal. If the area to be lighted is 40 feet across, the recommended aiming point is 27 feet.

Aiming point = $2/3$ across distance to be lighted
 $2/3 (40 \text{ ft.}) = 27 \text{ ft. aiming point}$

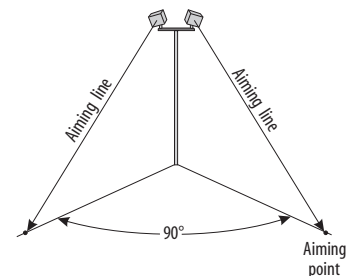
Additionally, to minimize glare, the recommended aiming point distance should never exceed twice the mounting height. If a pole is 20 feet high, the vertical aiming point should not exceed 40 feet out.

$2 (20 \text{ ft. mtg. ht.}) = 40 \text{ ft.}$



4. Horizontal Aiming

When an additional floodlight is added to a single pole, horizontal aiming also must be considered. First, each floodlight should be vertically aimed according to the two-thirds rule. As long as the floodlight has a horizontal NEMA 6 or 7 beamspread, the floodlights can be aimed up to 90° apart.



PRODUCT INFORMATION

POLES

(Poles are available only in U.S.)

All luminaire/pole assemblies require proper evaluation to ensure that the structural integrity of the assembly is not compromised when applied in specific wind conditions. Therefore, the basis for pole selection in this catalog is total weight and effective projected area, EPA (ft²), shown on the individual pole catalog pages. Determination of maximum EPA (ft²) and weight loading must include all luminaires, bracketry, signs, decoration, overhead wire or other equipment that will be mounted to the subject pole. Luminaire EPA (ft²) and weight data are found on their respective product pages.

The total effective projected area of the luminaires and brackets shall not exceed the EPA (ft²) listed for the pole selected at a given wind velocity. Poles that are to be located in areas of known abnormal conditions will require special consideration. Please consult factory if poles are required for Florida Building Code or other special wind load requirements. The map on page 589 gives the wind velocities to be used in determining luminaire pole compatibility.

NOTE: If during the pole warranty period of one year, the product proves defective in material or workmanship, the company shall correct, at its option, by repairing or replacing at no charge to the purchaser, if the purchaser promptly notifies the company. This warranty specifically excludes fatigue failure or similar phenomena resulting from induced vibration harmonic oscillation or resonance associated with the movement of air currents around the product.

Pole Selection Procedure

- Step 1.** Select the luminaire and decide how many will be mounted per pole. Determine the effective projected area, EPA (ft²), which is given on the dimensional information table.
- Step 2.** Determine the appropriate mounting method for the luminaire. Options include arm, bracket or wall mounting.
- Step 3.** Add together the EPAs (ft²) of the luminaire and arm/bracket. Multiply by number of fixtures to be mounted on one pole.
- Step 4.** Consult the wind map on page 589 to determine the basic wind velocity for your area.
- Step 5.** Select the material (steel or aluminum) and shape (square or round) of the pole. Refer to the "Technical Information" chart on the appropriate pole page.
 - A. Find the desired nominal mounting height in the second column.
 - B. Verify that the fixture weight does not exceed the maximum weight listed for the desired pole.
 - C. Compare your total EPA (ft²) loading with the maximum EPA (ft²) value found in the wind speed column for your area. Check that the equipment you are using will not exceed this value.
 - D. If both the weight and EPA (ft²) values do not exceed the value for which the pole is rated, you have selected the correct pole. If, however, either one of those numbers exceeds the maximum rated values, compare the EPA (ft²) and fixture weight loads to the next larger pole of the same mounting height.

NOTES: "Call Before Number" and complete pole description **MUST** be included before order can be processed. Bolt templates will be shipped with anchor bolts. To pre-ship templates, place an order for the appropriate template number.

CAUTION: This pole selection process is a guideline only. Lithonia Lighting assumes no responsibility for selection and recommends consultation with qualified individuals for verification of luminaire/pole assembly selection.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: SSA 16 4G DM19 DMB

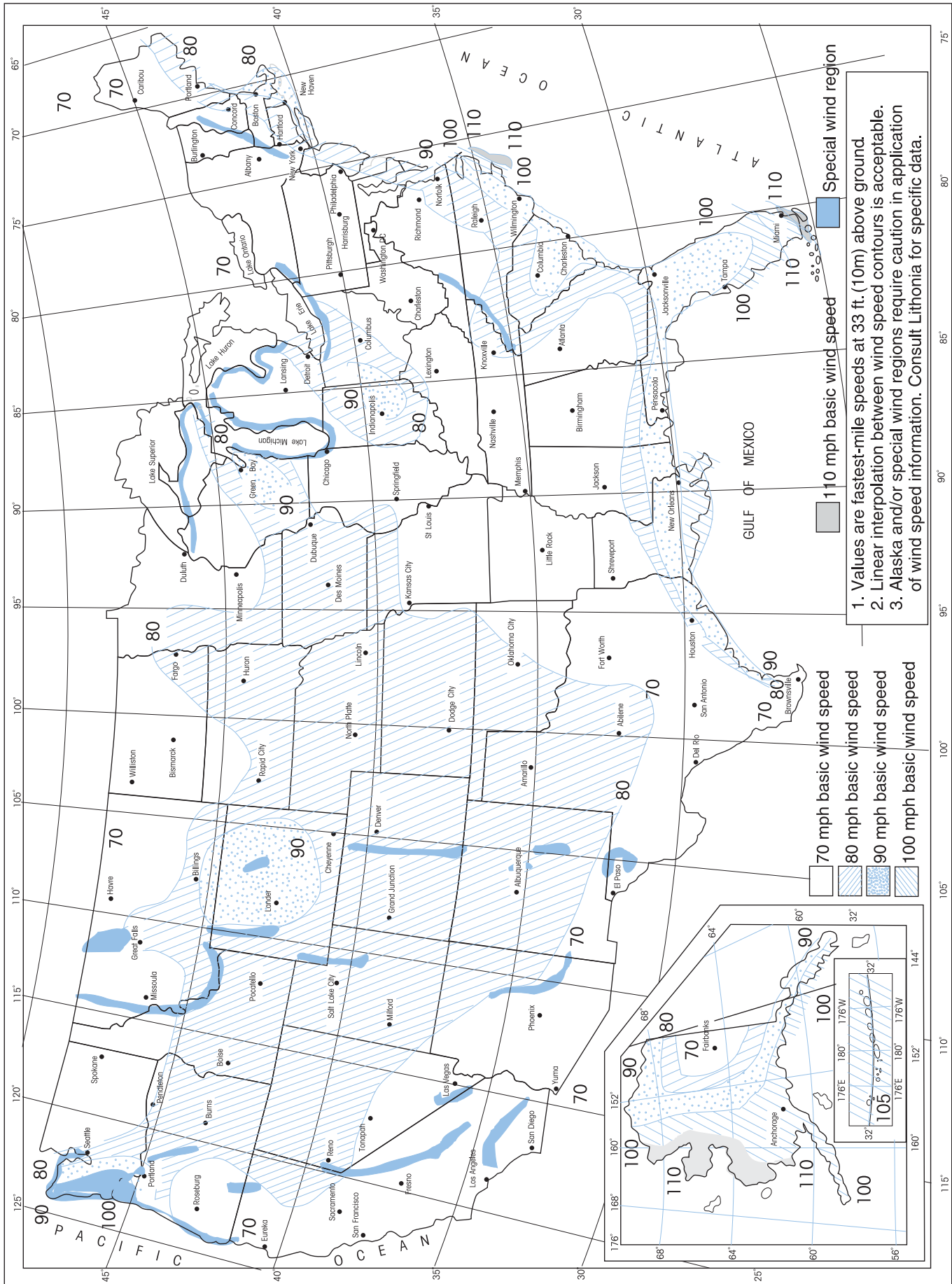
Shaft type		Nominal mounting height	Nominal shaft base size/Wall thickness		Fixture mounting method	Options	Finish ¹	
SSS	Square straight steel	8-50'; sportlighting poles up to 115'. See submittal sheets for specific information.	Nominal shaft base size	Wall thickness	PT	Open-top	See pages 612-613 MAEX Match existing ²	Architectural colors ² Polyester powder <u>Standard colors</u> DDB Dark bronze DWH White DBL Black DMB Medium bronze DNA Natural aluminum BA Brushed aluminum ³ <u>Classic colors</u> DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue <u>Class 1 architectural anodized⁴</u> ABL Black ADB Dark bronze ANA Natural
RSS	Round straight steel				T20	2-3/8" OD (2" NPS)		
STS	Square tapered steel	3	B	0.120"	Tenon mounting			
RTS	Round tapered steel	4	C	0.125"	T25	2-7/8" OD (2-1/2" NPS)		
RTSU	Round tapered steel with arm(s)	5	E	0.156"	T30	3-1/2" OD (3" NPS)		
STSH	Square tapered steel hinged	6	G	0.188"	T35	4" OD (3-1/2" NPS)		
SPRTS	Round tapered steel sportlighting	7	J	0.250"	<u>Drill mounting</u>			
SSA	Square straight aluminum	8	K	0.312"	DM19	1 at 90°		
SSCA	Square straight aluminum, cruciform	9	L	0.219"	DM28	2 at 180°		
RSA	Round straight aluminum	10	P	0.375"	DM29	2 at 90°		
RTA	Round tapered aluminum				DM39	3 at 90°		
RTAU	Round tapered aluminum with arm(s)				DM49	4 at 90°		
RSAH	Round straight aluminum hinged				DM32	3 at 120° (round poles)		
SSAH	Square straight aluminum hinged				<u>Aeris drill mounting</u>			
RTF	Round tapered fiberglass				DM19AS	1 at 90°		
RTFDB	Round tapered fiberglass direct burial				DM28AS	2 at 180°		
SSF	Square straight fiberglass				DM29AS	2 at 90°		
STC	Square tapered concrete				DM39AS	3 at 90°		
SPRTC	Round tapered concrete sportlighting				DM49AS	4 at 90°		
SSWDB	Square straight wood direct burial				DM32AS	3 at 120° (round poles)		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

Notes

- 1 Finish must be specified (poles do NOT ship DDB as standard).
- 2 Additional architectural colors available; see pages 796-799 or see Architectural Colors brochure on www.lithonia.com.
- 3 Aluminum poles only.
- 4 SSA, SSSCA, RSA, RTA, RTAU, RSAH, SSAH only.
- 5 Must include original order number.



SSS

Square Straight Steel



Intended Use
Square straight steel general purpose pole for up to 39-foot mounting heights.

Construction
Shaft: Weldable grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge) or 50,000 psi (7-gauge). Uniform wall thickness of .125" or .188". Shaft is one piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square

in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4, 5 and 6 inches.

Anchor base: Fabricated from hot-rolled carbon steel plate conforming to ASTM A36 that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of

55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: Reinforced hand-hole rim having nominal dimensions of 3" x 5" for all shafts. Includes steel cover with attachment screws.

Hardware: All fasteners are high-strength, galvanized or zinc-plated or stainless steel.
Top cap: Removable top cap provided with drill-mount poles.

Base cover: Includes full-base cover finished to match pole.

Finish: Must specify finish.



ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

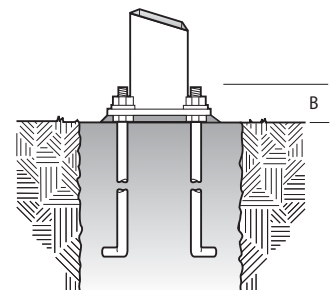
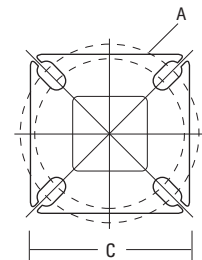
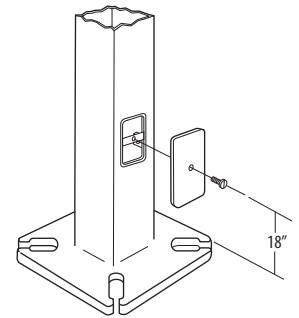
TECHNICAL INFORMATION - EPA (FT²) WITH 1.3 GUST

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (IN. X FT.)	WALL THICK. (IN.)	GAUGE	80 MPH	MAX. WT.	90 MPH	MAX. WT.	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS.)
SSS 10 4C	10	4 x 10	0.125	11	30.6	765	23.8	595	18.9	473	8 - 9	3/4 x 18 x 3	75
SSS 12 4C	12	4 x 12	0.125	11	24.4	610	18.8	470	14.8	370	8 - 9	3/4 x 18 x 3	90
SSS 14 4C	14	4 x 14	0.125	11	19.9	498	15.1	378	11.7	293	8 - 9	3/4 x 18 x 3	100
SSS 16 4C	16	4 x 16	0.125	11	15.9	398	11.8	295	8.9	223	8 - 9	3/4 x 18 x 3	115
SSS 18 4C	18	4 x 18	0.125	11	12.6	315	9.2	230	6.7	168	8 - 9	3/4 x 18 x 3	125
SSS 20 4C	20	4 x 20	0.125	11	9.6	240	6.7	167	4.5	150	8 - 9	3/4 x 18 x 3	140
SSS 20 4G	20	4 x 20	0.188	7	14.0	350	11.0	275	8.0	200	8 - 9	3/4 x 30 x 3	198
SSS 20 5C	20	5 x 20	0.125	11	17.7	443	12.7	343	9.4	235	10 - 12	1 x 36 x 4	185
SSS 20 5G	20	5 x 20	0.188	7	28.1	703	21.4	535	16.2	405	10 - 12	1 x 36 x 4	265
SSS 25 4C	25	4 x 25	0.125	11	4.8	150	2.6	100	1.0	50	8 - 9	3/4 x 18 x 3	170
SSS 25 4G	25	4 x 25	0.188	7	10.8	270	7.7	188	5.4	135	8 - 9	3/4 x 30 x 3	245
SSS 25 5C	25	5 x 25	0.125	11	9.8	245	6.3	157	3.7	150	10 - 12	1 x 36 x 4	225
SSS 25 5G	25	5 x 25	0.188	7	18.5	463	13.3	333	9.5	238	10 - 12	1 x 36 x 4	360
SSS 30 4G	30	4 x 30	0.188	7	6.0	150	4.0	100	2.5	75	8 - 9	3/4 x 30 x 3	295
SSS 30 5C	30	5 x 30	0.125	11	4.7	150	2.0	50	-	-	10 - 12	1 x 36 x 4	265
SSS 30 5G	30	5 x 30	0.188	7	10.7	267	6.7	167	3.9	100	10 - 12	1 x 36 x 4	380
SSS 30 6G	30	6 x 30	0.188	7	19.0	475	13.2	330	9.0	225	11 - 13	1 x 36 x 4	520
SSS 35 5G	35	5 x 35	0.188	7	5.9	150	2.5	100	-	-	10 - 12	1 x 36 x 4	440
SSS 35 6G	35	6 x 35	0.188	7	12.4	310	7.6	190	4.2	105	11 - 13	1 x 36 x 4	540
SSS 39 6G	39	6 x 39	0.188	7	7.2	180	3.0	75	-	-	11 - 13	1 x 36 x 4	605

POLE DATA

SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION	ANCHOR BOLT AND TEMPLATE DESCRIPTION
4"C	8.5"	2.75" - 4.00"	8"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C
4"G	8.5"	2.75" - 4.00"	8"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G
5"	10" - 12"	3.375" - 4.00"	11"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5
6"	11" - 13"	3.375" - 4.00"	12.5"	ABTEMPLATE PJ50011	AB36-0	NA

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Mounting arrangement: (PT) open top or (Tix) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 615.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Direct burial option available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

PRODUCT INFORMATION

Intended Use

Round straight steel general purpose pole for up to 30-foot mounting heights.

Construction

Shaft: Weldable grade, hot rolled, commercial-quality carbon steel tubing with minimum yield of 42,000 psi. Uniform wall thickness of .120". Shaft is one piece with a full-length, longitudinal, high-frequency electric resistance weld. Uniformly round in cross-section down length of shaft with no taper.

Anchor base: Fabricated from hot-rolled carbon steel plate with 3/4" thickness conforming to ASTM A36. Base plate and shaft are circumferentially welded top and bottom.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: Reinforced hand-hole rim located 18" above base. Includes cover with attachment screws.

Hardware: All fasteners are high-strength galvanized or zinc-plated or stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Base cover: Includes full-base cover finished to match pole.

Finish: Must specify finish.

RSS

Round Straight Steel



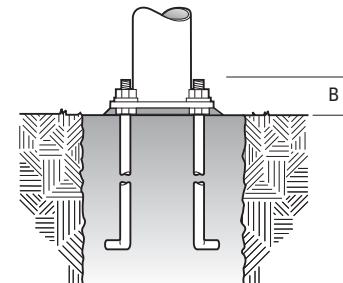
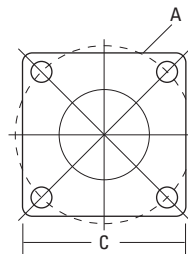
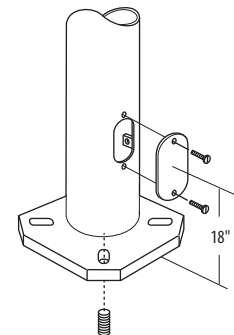
ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION - EPA (FT ²) WITH 1.3 GUST												
CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (IN. X FT.)	WALL THICK. (IN.)	80 MPH	MAX. WT.	90 MPH	MAX. WT.	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS.)
RSS 8 4-5B	8	4.5 x 8	0.120	24.7	630	19.7	495	16.0	430	8	3/4 x 18 x 3	55
RSS 10 3B	10	3 x 10	0.120	10	250	7.7	190	6.0	175	8	3/4 x 18 x 3	55
RSS 10 4B	10	4 x 10	0.120	19.1	480	15.0	375	12.2	305	8	3/4 x 18 x 3	70
RSS 10 4-5B	10	4.5 x 10	0.120	24.5	615	19.5	490	15.8	395	8	3/4 x 18 x 3	75
RSS 12 3B	12	3 x 12	0.120	7.7	195	5.8	145	4.4	130	8	3/4 x 18 x 3	60
RSS 12 4B	12	4 x 12	0.120	15.0	390	11.8	300	9.5	240	8	3/4 x 18 x 3	80
RSS 12 4-5B	12	4.5 x 12	0.120	19.8	495	15.7	395	12.7	320	8	3/4 x 18 x 3	85
RSS 14 3B	14	3 x 14	0.120	6.0	175	4.4	130	3.3	90	8	3/4 x 18 x 3	70
RSS 14 4B	14	4 x 14	0.120	12.2	305	9.4	250	7.6	195	8	3/4 x 18 x 3	90
RSS 14 4-5B	14	4.5 x 14	0.120	16.2	405	12.8	320	10.3	260	8	3/4 x 18 x 3	95
RSS 15 4-5B	15	4.5 x 15	0.120	12.0	300	9.5	250	7.5	200	8	3/4 x 18 x 3	96
RSS 16 3B	16	3 x 16	0.120	4.6	125	3.2	100	2.3	60	8	3/4 x 18 x 3	80
RSS 16 4B	16	4 x 16	0.120	9.6	250	7.4	185	5.9	150	8	3/4 x 18 x 3	100
RSS 16 4-5B	16	4.5 x 16	0.120	13.1	330	10.2	265	8.2	205	8	3/4 x 18 x 3	105
RSS 18 3B	18	3 x 18	0.120	3.4	90	2.3	60	1.4	70	8	3/4 x 18 x 3	90
RSS 18 4B	18	4 x 18	0.120	7.6	190	5.7	180	4.5	130	8	3/4 x 18 x 3	110
RSS 18 4-5B	18	4.5 x 18	0.120	10.5	265	8.2	210	6.5	165	8	3/4 x 18 x 3	115
RSS 20 3B	20	3 x 20	0.120	2.4	100	1.4	75	-	-	8	3/4 x 18 x 3	100
RSS 20 4B	20	4 x 20	0.120	6.0	150	4.45	150	3.45	125	8	3/4 x 18 x 3	120
RSS 20 4-5B	20	4.5 x 20	0.120	8.5	215	6.6	165	5.2	130	8	3/4 x 18 x 3	130
RSS 20 5B	20	5 x 20	0.120	11.75	300	9.1	230	7.25	180	8	3/4 x 18 x 3	145
RSS 22 4-5B	22	4.5 x 22	0.120	6.0	150	4.5	125	3.75	100	8	3/4 x 18 x 3	134
RSS 25 4B	25	4 x 25	0.120	2.85	100	1.95	75	1.35	75	8	3/4 x 18 x 3	145
RSS 25 4-5B	25	4.5 x 25	0.120	4.8	130	3.6	90	2.7	90	8	3/4 x 18 x 3	145
RSS 25 5B	25	5 x 25	0.120	7.25	180	5.5	150	4.25	150	8	3/4 x 18 x 3	180
RSS 30 4-5B	30	4.5 x 30	0.120	2.3	80	1.5	75	1.0	60	8	3/4 x 18 x 3	185
RSS 30 5B	30	5 x 30	0.120	4.2	150	3	125	2.25	100	8	3/4 x 18 x 3	210

POLE DATA					
SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
3"	8"	3.25" - 3.50"	8"	ABTEMPLATE PJ50041	AB18-0
4"	8"	3.25" - 3.50"	8"	ABTEMPLATE PJ50041	AB18-0
4.5"	8"	3.25" - 3.50"	8"	ABTEMPLATE PJ50041	AB18-0
5"	8"	3.25" - 3.50"	8"	ABTEMPLATE PJ50041	AB18-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 615.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Direct burial option available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

STS

Square Tapered Steel



Intended Use
Square tapered steel general purpose pole for up to 50-foot mounting heights.

Construction
Shaft: Weldable-grade (ASTM A-595 Grade A) hot-rolled commercial-quality carbon steel tubing with minimum yield of 55,000 psi. Uniform wall thickness of 11-gauge (0.1196") or 7-gauge (0.1793"). Shaft is one piece with a full-length longitudinal high-frequency resistance weld and is square

in cross-section having flat sides, radiused corners and a uniform taper of approximately .11" per foot.

Anchor base: Fabricated from hot-rolled carbon steel plate conforming to ASTM A36 that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L"

bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: Rectangular, reinforced hand-hole rim having nominal dimensions of 3" x 5" for shafts less than 6.375" square and oval shaped 4" x 6.5" for all other shafts.

Steel cover with attachment screws included. Hand hole is located 18" above base.

Hardware: Fasteners are high-strength galvanized or zinc-plated or stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Base cover: Includes full base cover finished to match pole.

Finish: Must specify finish.

ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

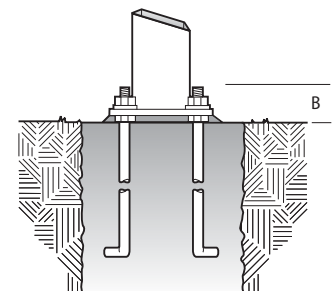
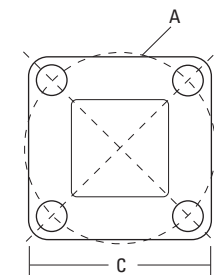
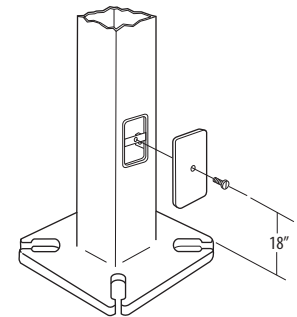
TECHNICAL INFORMATION - EPA (FT²) WITH 1.3 GUST

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (BASE IN. X TOP IN. X FT.)	WALL THICK. (IN.)	GAUGE	80 MPH	MAX. WT.	90 MPH	MAX. WT.	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX SHIP WT. (LBS.)
STS 20 5-2B	20	5.25 x 3.05 x 20	0.125	11	18.0	452	13.8	345	10.7	268	10.75	1 x 36 x 4	155
STS 20 5-5F	20	5.50 x 3.30 x 20	0.188	7	30.5	764	24.0	602	19.0	477	11	1 x 36 x 4	235
STS 25 6-0B	25	6.00 x 3.25 x 25	0.125	11	16.8	422	12.6	315	9.5	238	12	1 x 36 x 4	205
STS 25 6-4F	25	6.41 x 3.66 x 25	0.188	7	28.5	713	22.5	563	18.2	455	12.5	1 x 36 x 4	310
STS 30 6-4B	30	6.41 x 3.11 x 30	0.125	11	13.6	340	9.8	245	7.0	175	12.5	1 x 36 x 4	260
STS 30 6-4F	30	6.41 x 3.11 x 30	0.188	7	23.6	590	17.9	448	13.7	343	12.5	1 x 36 x 4	375
STS 35 6-8B	35	6.81 x 2.96 x 35	0.125	11	10.7	269	7.3	184	4.8	120	13	1 x 36 x 4	305
STS 35 7-1F	35	7.13 x 3.28 x 35	0.188	7	23.4	585	17.4	435	13.0	325	13.5	1 x 36 x 4	475
STS 39 7-1B	39	7.18 x 2.92 x 39	0.125	11	8.6	215	5.4	135	3.0	75	13.5	1 x 36 x 4	345
STS 39 7-1F	39	7.13 x 2.87 x 39	0.188	7	19.3	483	14.2	355	10.4	260	13.5	1 x 36 x 4	500
STS 45 7-8F	45	7.88 x 2.93 x 45	0.188	7	16.0	400	11.1	278	7.4	187	14.5	1 x 36 x 4	620
STS 45 8-7F	45	8.75 x 3.80 x 45	0.188	7	23.5	588	16.6	415	11.4	287	15.75	1-1/4 x 42 x 6	730
STS 50 8-8F	50	8.81 x 3.31 x 50	0.188	7	19.4	485	13.2	332	8.7	218	16	1-1/4 x 42 x 6	780

POLE DATA

SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
5.2" B	10.75"	3.50"-4.25"	10.75"	ABTEMPLATE PJ50095	AB36-0
5.5" F	11"	3.75"-4.50"	11"	ABTEMPLATE PJ50096	AB36-0
6.0" B	12"	3.50"-4.25"	11.5"	ABTEMPLATE PJ50097	AB36-0
6.4" F	12.5"	4.00"-4.75"	11.875"	ABTEMPLATE PJ50098	AB36-0
6.4" B	12.5"	3.50"-4.25"	11.875"	ABTEMPLATE PJ50099	AB36-0
6.8" B	13"	3.50"-4.25"	12.25"	ABTEMPLATE PJ50101	AB36-0
7.1" F	13.5"	4.25"-5.00"	12.625"	ABTEMPLATE PJ50102	AB36-0
7.1" B	13.5"	3.50"-4.25"	12.625"	ABTEMPLATE PJ50103	AB36-0
7.8" F	14.5"	4.00"-4.75"	13.375"	ABTEMPLATE PJ50105	AB36-0
8.7" F	15.75"	4.75"-5.50"	14.25"	ABTEMPLATE PJ50106	AB42-0
8.8" F	16"	4.50"-5.25"	15.5"	ABTEMPLATE PJ50107	AB42-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 615.
- Bolt lengths described are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Direct-burial option available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

PRODUCT INFORMATION

Intended Use

Round tapered steel general purpose pole for up to 50-foot mounting heights.

Construction

Shaft: Weldable-grade (ASTM A-595 Grade A), hot-rolled, commercial-quality carbon steel tubing with minimum yield of 55,000 psi. Uniform wall thickness of 11-gauge (0.1196") or 7-gauge (0.1793"). Shafts are one piece construction with a full-length, longitudinal, high-frequency resistance weld. Round in cross-section,

having uniform taper of approximately .14" per foot.

Anchor base: Fabricated from hot-rolled carbon steel plate conforming to ASTM A36 that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end

per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: Rectangular, reinforced hand-hole rim having nominal dimensions of 3" x 5" for 5.9" shafts and oval-shaped 4" x 6.5" hand hole for all other shafts. Steel cover with attachment screws included. Hand hole is located 18" above base.

Hardware: Fasteners are high-strength galvanized or zinc-plated or stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Bolt cover: Bolt covers are zinc diecast and fasten to shaft by a 0.25" stainless steel, self-tapping, hex-head screw. Full base cover available as option.

Finish: Must specify finish.

RTS

Round Tapered Steel



ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

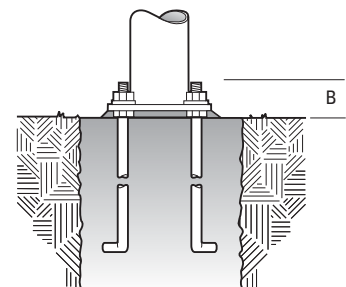
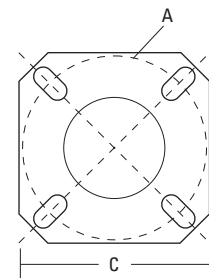
TECHNICAL INFORMATION - EPA (FT²) WITH 1.3 GUST

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (BASE IN. X TOP IN. X FT.)	WALL THICK. (IN.)	GAUGE	80 MPH	MAX. WT.	90 MPH	MAX. WT.	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS.)
RTS 20 5-9B	20	5.9 x 3.1 x 20	0.125	11	19.3	482	15.1	377	12.2	305	9.0	1 x 36 x 4	140
RTS 20 6-5B	20	6.5 x 3.7 x 20	0.125	11	24.2	605	19.3	482	15.6	390	9.5	1 x 36 x 4	160
RTS 25 5-9B	25	5.9 x 2.4 x 25	0.125	11	12.5	312	9.9	247	8	200	9.0	1 x 36 x 4	155
RTS 25 7-0B	25	7.0 x 3.5 x 25	0.125	11	20.3	507	16.2	405	13.1	327	10.0	1 x 36 x 4	200
RTS 25 7-0F	25	7.0 x 3.5 x 25	0.188	7	30.5	760	24.0	625	19.8	495	10.0	1 x 36 x 4	280
RTS 30 6-6B	30	6.6 x 2.4 x 30	0.125	11	11.7	292	9.3	232	7.5	187	9.5	1 x 36 x 4	200
RTS 30 8-0B	30	8.0 x 3.8 x 30	0.125	11	18.9	473	14.9	373	12	300	11.0	1 x 36 x 4	265
RTS 30 8-0F	30	8.0 x 3.8 x 30	0.188	7	33.5	838	27.0	675	22.0	550	11.0	1-1/4 x 42 x 6	380
RTS 35 7-3B	35	7.3 x 2.4 x 35	0.125	11	11.2	280	8.9	222	7.1	177	10.5	1 x 36 x 4	250
RTS 35 8-5B	35	8.5 x 3.6 x 35	0.125	11	18.9	472	15.1	377	12.2	305	11.5	1 x 36 x 4	315
RTS 35 9-5B	35	9.5 x 4.6 x 35	0.125	11	23.2	580	18.2	455	14.5	363	13.0	1 x 36 x 4	370
RTS 39 7-8B	39	7.8 x 2.4 x 39	0.125	11	10.7	267	8.5	212	6.6	165	11.0	1 x 36 x 4	285
RTS 39 9-0B	39	9.0 x 3.6 x 39	0.125	11	17.2	430	13.5	338	10.8	270	12.5	1 x 36 x 4	355
RTS 39 9-0F	39	9.0 x 3.6 x 39	0.188	7	28.5	715	23.0	575	19.0	475	12.5	1-1/4 x 42 x 6	515
RTS 45 10-0B	45	10.0 x 3.7 x 45	0.125	11	17.4	435	13.5	338	10.6	265	13.5	1 x 36 x 4	450
RTS 45 10-0F	45	10.0 x 3.7 x 45	0.188	7	28.5	715	23.0	575	19.0	475	13.5	1-1/4 x 42 x 6	650
RTS 50 10-0B	50	10.0 x 3.0 x 50	0.125	11	13.2	330	10.6	265	8.3	208	13.5	1 x 36 x 4	475
RTS 50 10-0F	50	10.0 x 3.0 x 50	0.188	7	20.5	512	16.5	412	13.6	340	13.5	1 1/4 x 42 x 6	680

POLE DATA

SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
5.9" B	9"	3.50" - 4.25"	10"	ABTEMPLATE PJ50075	AB36-0
6.5" B	9.5"	3.50" - 4.25"	10.5"	ABTEMPLATE PJ50074	AB36-0
7.0" B	10"	3.50" - 4.25"	10.875"	ABTEMPLATE PJ50077	AB36-0
7.0" F	10"	3.75" - 4.50"	10.875"	ABTEMPLATE PJ50076	AB36-0
6.6" B	9.5"	3.50" - 4.25"	10.5"	ABTEMPLATE PJ50078	AB36-0
8.0" B	11"	3.50" - 4.25"	11.5"	ABTEMPLATE PJ50079	AB36-0
8.0" F	11"	4.50" - 5.25"	11.5"	ABTEMPLATE PJ50080	AB42-0
7.3" B	10.5"	3.50" - 4.25"	11.25"	ABTEMPLATE PJ50081	AB36-0
8.5" B	11.5"	3.75" - 4.50"	12"	ABTEMPLATE PJ50082	AB36-0
9.5" B	13"	3.75" - 4.50"	13"	ABTEMPLATE PJ50083	AB36-0
7.8" B	11"	3.75" - 4.50"	11.5"	ABTEMPLATE PJ50084	AB36-0
9.0" B	12.5"	3.75" - 4.50"	12.375"	ABTEMPLATE PJ50085	AB36-0
9.0" F	12.5"	4.50" - 5.25"	12.375"	ABTEMPLATE PJ50086	AB42-0
10.0" B	13.5"	3.75" - 4.50"	14"	ABTEMPLATE PJ50087	AB36-0
10.0" F	13.5"	4.50" - 5.25"	14"	ABTEMPLATE PJ50088	AB42-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 615.
- Bolt lengths described are nominal, actual lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Direct-burial option available, consult factory.
- Three-bolt anchor base available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

RTSU

Round Tapered Steel with Upsweep Mast Arms



Intended Use

Round tapered steel roadway pole with upsweep mast arm(s) for up to 40-foot mounting heights including rise of arm.

Construction

Shaft: Weldable-grade (ASTM A-595 Grade A), hot-rolled, commercial-quality carbon steel tubing with minimum yield of 55,000 psi. Uniform wall thickness of 11-gauge (0.1196") or 7-gauge (0.1793"). Shafts are one-piece construction with a full-length, longitudinal, high-frequency resistance weld. Round in cross-section,

having uniform taper of approximately .14" per foot.

Arm: Body is 2-3/8" O.D. (2" NPS, Schedule 40) galvanized steel tube with minimum yield strength of 36,000 psi. Welding follows AWS standards. Arms are galvanized and/or painted after fabrication. Arm mounts to shaft via 1/2" steel bolt Simplex mount.

Anchor base: Fabricated from hot-rolled carbon steel plate conforming to ASTM A36 that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: Rectangular, reinforced hand-hole rim having nominal dimensions of 3" x 5" for 5.9" shafts and oval-shaped 4" x 6.5" hand hole for all other shafts.

Steel cover with attachment screws included. Hand hole is located 18" above base.

Hardware: Fasteners are high-strength galvanized or zinc-plated or stainless steel.

Top cap: Removable top cap provided.

Bolt cover: Bolt covers are zinc diecast and fasten to shaft by a 0.25" stainless steel, self-tapping, hex-head screw. Full base cover available as option.

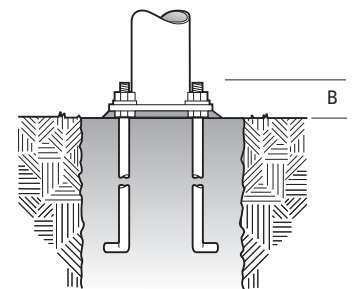
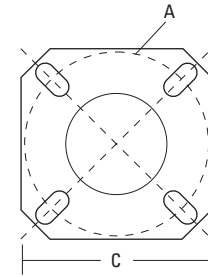
Finish: Must specify finish.

ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION

	CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	MTG. ARM LENGTH (FT.)	POLE SHAFT BASE DIA. (IN.)	WALL THICK. (IN.)	EPA FT ² W/1.3 GUST UP TO 100 MPH (PER ARM)	MAX. WT. PER ARM (LBS.)	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS.)
SINGLE-ARM POLES	RTSU 20 5-9B SMP US4	20	4	5.9	0.120	2	76	9.0	1 x 36 x 4	140
	RTSU 20 5-9B SMP US6	20	6	5.9	0.120	2	76	9.0	1 x 36 x 4	140
	RTSU 20 5-9B SMP US8	20	8	5.9	0.120	2	76	9.0	1 x 36 x 4	140
	RTSU 25 5-9B SMP US4	25	4	5.9	0.120	2	76	9.0	1 x 36 x 4	205
	RTSU 25 5-9B SMP US6	25	6	5.9	0.120	2	76	9.0	1 x 36 x 4	205
	RTSU 25 5-9B SMP US8	25	8	5.9	0.120	2	76	9.0	1 x 36 x 4	205
	RTSU 30 6-6B SMP US4	30	4	6.5	0.120	2	76	9.5	1 x 36 x 4	250
	RTSU 30 6-6B SMP US6	30	6	6.5	0.120	2	76	9.5	1 x 36 x 4	250
	RTSU 30 6-6B SMP US8	30	8	6.5	0.120	2	76	9.5	1 x 36 x 4	250
	RTSU 35 7-3B SMP US4	35	4	7.3	0.120	2	76	10.5	1 x 36 x 4	300
	RTSU 35 7-3B SMP US6	35	6	7.3	0.120	2	76	10.5	1 x 36 x 4	300
	RTSU 35 7-3B SMP US8	35	8	7.3	0.120	2	76	10.5	1 x 36 x 4	300
	RTSU 40 9-0B SMP US4	40	4	9	0.120	2	76	12.5	1 x 36 x 4	405
	RTSU 40 9-0B SMP US6	40	6	9	0.120	2	76	12.5	1 x 36 x 4	405
RTSU 40 9-0B SMP US8	40	8	9	0.120	2	76	12.5	1 x 36 x 4	405	
DOUBLE-ARM POLES	RTSU 20 5-9B SMP 2US4	20	4	5.9	0.120	2	76	9.0	1 x 36 x 4	240
	RTSU 20 5-9B SMP 2US6	20	6	5.9	0.120	2	76	9.0	1 x 36 x 4	240
	RTSU 20 5-9B SMP 2US8	20	8	5.9	0.120	2	76	9.0	1 x 36 x 4	240
	RTSU 25 5-9B SMP 2US4	25	4	5.9	0.120	2	76	9.0	1 x 36 x 4	255
	RTSU 25 5-9B SMP 2US6	25	6	5.9	0.120	2	76	9.0	1 x 36 x 4	255
	RTSU 25 5-9B SMP 2US8	25	8	5.9	0.120	2	76	9.0	1 x 36 x 4	255
	RTSU 30 6-6B SMP 2US4	30	4	6.5	0.120	2	76	9.5	1 x 36 x 4	300
	RTSU 30 6-6B SMP 2US6	30	6	6.5	0.120	2	76	9.5	1 x 36 x 4	300
	RTSU 30 6-6B SMP 2US8	30	8	6.5	0.120	2	76	9.5	1 x 36 x 4	300
	RTSU 35 7-3B SMP 2US4	35	4	7.3	0.120	2	76	10.5	1 x 36 x 4	350
	RTSU 35 7-3B SMP 2US6	35	6	7.3	0.120	2	76	10.5	1 x 36 x 4	350
	RTSU 35 7-3B SMP 2US8	35	8	7.3	0.120	2	76	10.5	1 x 36 x 4	350
	RTSU 40 9-0B SMP 2US4	40	4	9	0.120	2	76	12.5	1 x 36 x 4	455
	RTSU 40 9-0B SMP 2US6	40	6	9	0.120	2	76	12.5	1 x 36 x 4	455
RTSU 40 9-0B SMP 2US8	40	8	9	0.120	2	76	12.5	1 x 36 x 4	455	



POLE DATA					
SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
5.9"	9"	3.50" - 4.25"	10"	ABTEMPLATE PJ50075	AB36-0
6.5"	9.5"	3.50" - 4.25"	10.5"	ABTEMPLATE PJ50074	AB36-0
7.0"	10"	3.50" - 4.25"	10.875"	ABTEMPLATE PJ50077	AB36-0
7.3"	10.5"	3.50" - 4.25"	11.25"	ABTEMPLATE PJ50133	AB36-0
7.5"	10.5"	3.50" - 4.25"	11.25"	ABTEMPLATE PJ50133	AB36-0
8.0"	11"	3.50" - 4.25"	11.5"	ABTEMPLATE PJ50079	AB36-0
8.5"	11.5"	3.75" - 4.50"	12"	ABTEMPLATE PJ50082	AB36-0
9.0"	12.5"	3.75" - 4.50"	12.375"	ABTEMPLATE PJ50085	AB36-0
9.5"	13"	4.00" - 4.50"	13"	ABTEMPLATE PJ50134	AB36-0
10.0"	13.5"	4.00" - 4.50"	14"	ABTEMPLATE PJ50135	AB36-0
10.5"	14"	4.50" - 5.00"	14.5"	ABTEMPLATE PJ50136	AB42-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.

Notes

- Fixture's nominal mounting height is the sum of shaft length plus rise of upsweep arm.
- Three- and four-arm configurations available, consult factory.
- Truss and davit arms available, consult factory.
- Mounting options: (Txx) tenon and/or (DMxx) drilling may be added, consult factory.
- Options, see pages 612-613.
- Brackets, see page 615.
- Bolt lengths are nominal; actual lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Transformer bases and breakaway couplings available, consult factory.
- Three-bolt slip bases available, consult factory.
- Direct-burial option available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

PRODUCT INFORMATION

Intended Use

Square tapered steel hinged pole with 20- to 39-foot mounting heights. Good application where maintenance access is limited.

Construction

Shaft: Weldable-grade, hot-rolled, commercial-quality carbon steel having a guaranteed minimum yield strength of 55,000 psi and is supplied in 11-gauge (.1196") or 7-gauge (.1793") nominal thickness. Pole is one-piece construction with a full-length, longitudinal, high-frequency, electric-

resistance weld. Shaft is square in cross-section having flat sides, radiused corners, and uniform taper of approximately 0.11 inches per foot (4-inch square poles are not tapered).

Hinge: Hinge pin is stainless steel. A flexible wiring guide is provided, passing through the hinge area for wiring protection. Hinge is external.

Anchor base: Fabricated from hot-rolled carbon steel plate conforming to ASTM A36 that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and

shaft are circumferentially welded top and bottom.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: Rectangular, reinforced hand-hole rim having nominal dimensions of 3" x 5" for 4" shafts and oval shaped 4" x 6.5" for all other shafts. Steel cover with attachment screws included. Hand hole is located 18" above base.

Hardware: Fasteners are high-strength galvanized or zinc-plated or stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Base cover: Includes full-base cover finished to match pole.

Finish: Must specify finish.

STSH

Square Tapered Steel, Hinged



ADDITIONAL INFORMATION

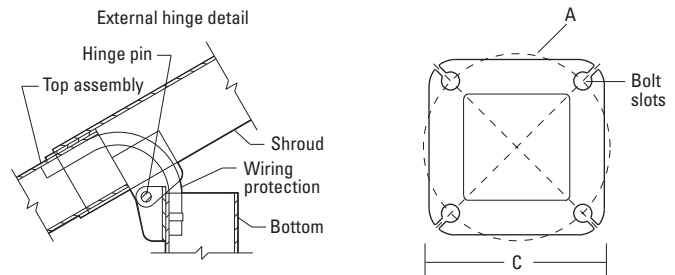
For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION - EPA (FT ²) WITH 1.3 GUST													
CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (BASE IN. X TOP IN. X FT.)	WALL THICK. (IN.)	GAUGE	80 MPH	MAX. WT.	90 MPH	MAX. WT.	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS)
STSH 20 4F	20	4 x 4 x 20	0.188	7	11.6	217	8.5	217	6.2	217	8.5 - 10	3/4 x 18 x 3	300
STSH 25 4F	25	4 x 4 x 25	0.188	7	7.1	160	4.8	160	3.1	160	8.5 - 10	3/4 x 18 x 3	370
STSH 25 6-4B	25	6.41 x 3.63 x 25	0.125	11	18.0	254	13.0	254	9.3	254	12.5	1 x 36 x 4	355
STSH 30 4F	30	4 x 4 x 30	0.188	7	4.0	120	2.1	120	0.8	120	8.5 - 10	3/4 x 18 x 3	435
STSH 30 6-4B	30	6.41 x 3.08 x 30	0.125	11	12.5	230	8.3	230	5.1	230	12.5	1 x 36 x 4	440
STSH 35 7-1B	35	7.18 x 2.88 x 35	0.125	11	7.1	160	3.2	160	-	-	13.5	1 x 36 x 4	540
STSH 35 7-1F	35	7.13 x 2.87 x 35	0.188	7	22.0	155	16.9	155	12.1	155	13.5	1 x 36 x 4	700
STSH 39 7-1F	39	7.13 x 2.87 x 39	0.188	7	19.5	110	13.5	110	9.2	110	13.5	1 x 36 x 4	740

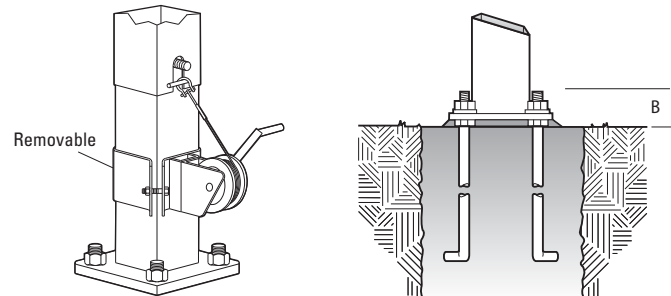
POLE DATA					
SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
4.0" F	8.5" - 10"	3.50" - 4.25"	9.75"	ABTEMPLATE PJ50091	AB18-0
6.4" B	12.5"	3.75" - 4.50"	11.875"	ABTEMPLATE PJ50092	AB36-0
7.1" B	13.5"	3.50" - 4.25"	12.625"	ABTEMPLATE PJ50094	AB36-0
7.1" F	13.5"	4.00" - 4.75"	12.625"	ABTEMPLATE PJ50093	AB36-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.

WINCH ORDERING	
WINCH NOMENCLATURE	SHAFT SIZE
STSHWCH 4F	4F
STSHWCH 6-4B	6-4B
STSHWCH 7-1B	7-1B
STSHWCH 7-1F	7-1F



Winch detail (accessory)



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 615.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Pole lengths cannot be modified.
- Hinge point is located approximately two-thirds from bottom of pole.
- Winch assembly (ordered separately) required to lower pole shaft.
- Consult factory if product must meet "Buy American" specifications.

SPRTS

Round Tapered Steel Sportlighting



Intended Use

Round tapered steel sports lighting pole with 40- to 80-foot mounting heights. 60 foot and longer are two section poles.

Construction

Shaft: Pole shaft sections are high-strength low-alloy steel conforming to ASTM A572 Grade 65 or ASTM A595 Grade A. Cross-section is round or 16-sided with a 4" bend radius. Each pole is a constant tapered hollow steel section up to 55 feet in

length with a minimum 1-1/2 times diameter slip joint as standard for two section pole. Shaft plate is single thickness without laminations.

Anchor base: Fabricated from hot-rolled carbon steel plate that conforms to ASTM A36 or ASTM A572 Grade 42. Base plate and shaft are circumferentially welded top and bottom.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L"

bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hardware: Fasteners are high-strength galvanized or zinc-plated or stainless steel.

Hand hole: Oval shaped, reinforced hand-hole rim

having a nominal dimension of 4" x 6.5". Steel cover with attachment screws included. Hand hole is located 18" above base.

Top cap: Removable top cap provided with all drill-mount poles.

Finish: Must specify finish.

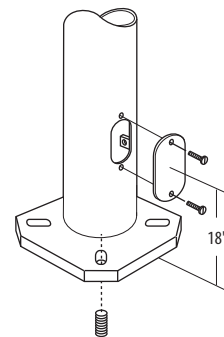
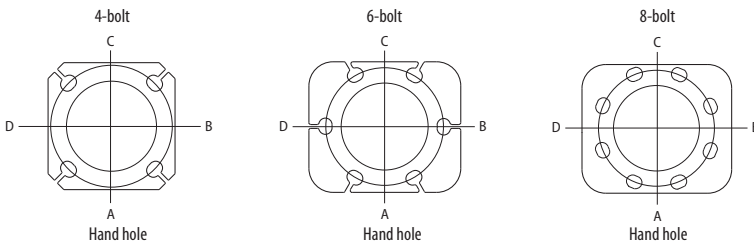
ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	BOTTOM SECTION		TOP SECTION		EPA (FT²) WITH 1.3 GUST						BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	# OF ANCHOR BOLTS	APPROX. SHIP WT. (LBS.)
		BASE DIA. (IN.)	WALL THICK. (IN.)	BASE DIA. (IN.)	WALL THICK. (IN.)	80 MPH.	MAX. WT.	90 MPH.	MAX. WT.	100 MPH.	MAX. WT.				
SPRTS 40 HT01	40	9	0.1193	-	-	17.2	430	13.5	338	10.8	270	12.5	1 x 36 x 4	4	366
SPRTS 40 HT02	40	9	0.1793	-	-	26.1	654	20.6	517	16.7	419	12.5	1-1/4 x 42 x 6	4	514
SPRTS 40 HT03	40	10	0.1793	-	-	38.6	965	30.6	765	24.6	615	13.5	1-1/4 x 42 x 6	4	604
SPRTS 50 HT01	50	10	0.1193	-	-	13.2	330	10.6	265	8.3	208	13.5	1 x 36 x 4	4	486
SPRTS 50 HT02	50	10	0.1793	-	-	20.5	512	16.5	412	13.6	340	13.5	1-1/4 x 42 x 6	4	684
SPRTS 50 HT03	50	11	0.1793	-	-	29.9	748	23.5	588	18.6	465	15	1-1/4 x 42 x 6	4	813
SPRTS 50 HT04	50	13	0.1793	-	-	50.4	1,260	39.7	992	31.4	785	17	1-1/2 x 54 x 6	4	1024
SPRTS 50 HT05	50	13	0.2391	-	-	69.2	1,730	55.0	1,375	44.2	1,105	17.5	1-3/4 x 84 x 6	4	1339
SPRTS 60 HT01	60	11.5	0.1793	5	0.1196	20.0	600	16.0	480	13.0	390	16	1-1/4 x 42 x 6	4	907
SPRTS 60 HT02	60	13	0.1793	6.5	0.1196	36.0	1,080	29.0	870	22.0	660	17	1-1/4 x 42 x 6	6	1110
SPRTS 60 HT03	60	13	0.2391	6.6	0.1793	49.0	1,470	40.0	1,200	32.0	960	17	1-1/2 x 54 x 6	6	1467
SPRTS 60 HT04	60	15.87	0.1875	12	0.1793	78.0	2,340	62.0	1,860	50.0	1,500	21	1-1/2 x 54 x 6	6	1651
SPRTS 70 HT01	70	13	0.1793	6.6	0.1793	20.6	515	16.7	417	13.7	342	17	1-1/2 x 54 x 6	4	1228
SPRTS 70 HT02	70	13	0.2391	6.6	0.1793	23.8	595	19.3	482	15.9	397	17.5	1-3/4 x 84 x 6	4	1547
SPRTS 70 HT03	70	14.57	0.1875	12	0.1793	39.0	1,170	30.0	900	23.0	690	19	1-1/4 x 42 x 6	6	1597
SPRTS 70 HT04	70	15.87	0.1875	12	0.1793	52.0	1,560	41.0	1,230	33.0	990	21	1-1/2 x 54 x 6	6	1801
SPRTS 70 HT05	70	16.82	0.1875	12	0.1793	65.0	1,950	53.0	1,590	42.0	1,260	22.75	1-1/2 x 54 x 6	6	1984
SPRTS 80 HT01	80	15.87	0.1875	12	0.1793	37.0	1,110	29.0	870	23.0	690	21	1-1/2 x 54 x 6	6	1899
SPRTS 80 HT02	80	16.82	0.1875	12	0.1793	45.0	1,350	36.0	1,080	28.0	840	22.75	1-1/2 x 54 x 6	6	2137
SPRTS 80 HT03	80	17.53	0.2092	13	0.1875	58.0	1,740	46.0	1,380	35.0	1,050	23	1-1/2 x 54 x 6	6	2350
SPRTS 80 HT04	80	18.7	0.1875	12	0.1793	70.0	2,100	56.0	1,680	44.0	1,320	23	1-1/2 x 54 x 6	8	2447

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

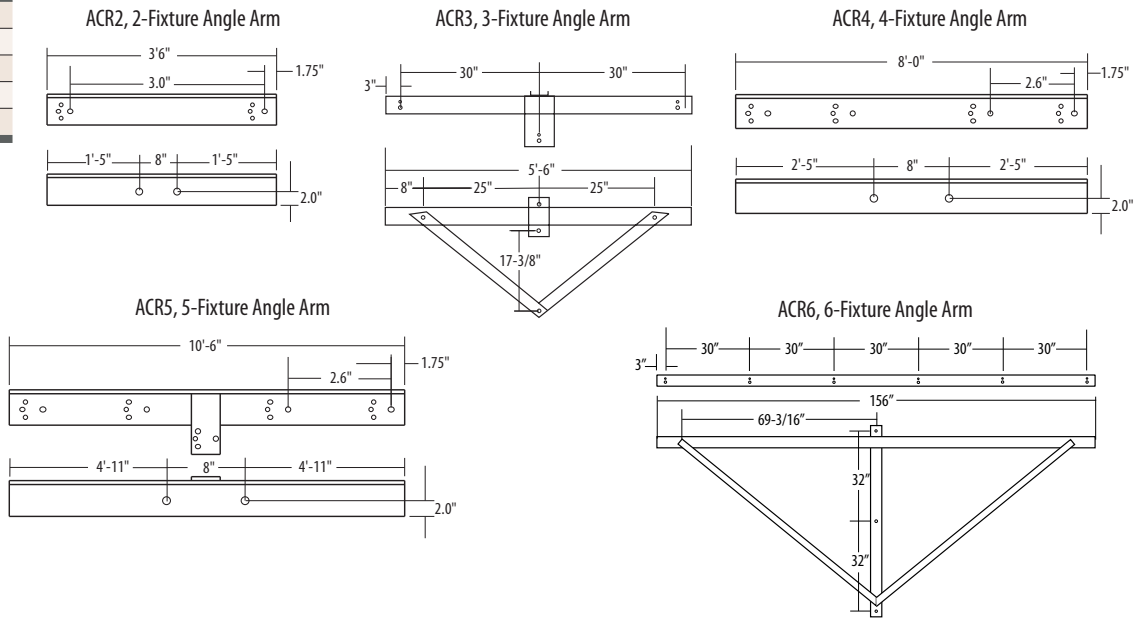
- Bolt lengths described are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Platform cages available, consult factory.
- Direct-burial option available, consult factory.
- Above 80-foot mounting height, consult factory.
- High wind zone and/or high EPA and weight loading, consult factory.
- Consult factory if product must meet "Buy American" specifications.

Intended Use
For use on SPRTS sportlighting poles.

ANGLE IRON CROSSARMS FOR STEEL POLES

CATALOG NUMBER	ARM EPA (SQ. FT.)	WEIGHT (LBS.)
ACR2	1.98	34.0
ACR3	3.12	54.0
ACR4	4.53	78.0
ACR5	5.95	103.0
ACR6	7.37	127.0

Projected area is for the crossarm only. The crossarm projected area is added to the luminaire projected area to get a total effective projected area (EPA).



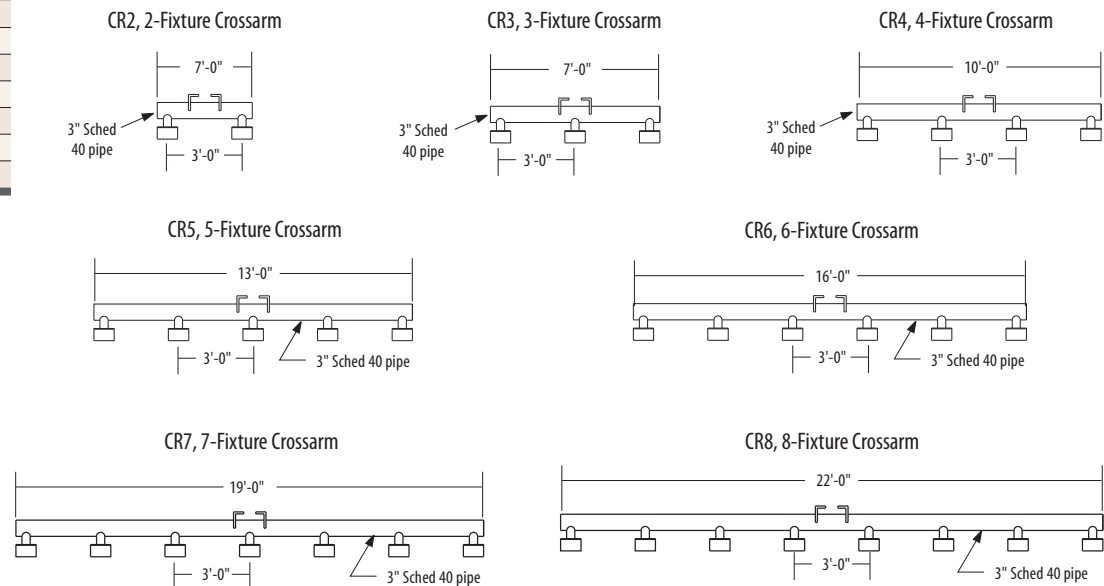
Notes
Angle iron crossarms can be used with other poles if ordered with the pole.

Intended Use
For use on SPRTS sportlighting poles.

TUBULAR CROSSARMS FOR STEEL POLES

CATALOG NUMBER	ARM EPA (SQ. FT.)	WEIGHT (LBS.)
CR2	1.28	44.0
CR3	2.45	65.0
CR4	3.21	98.0
CR5	4.17	116.0
CR6	5.13	150.0
CR7	6.10	176.0
CR8	7.06	271.0

Projected area is for the crossarm only. The crossarm projected area is added to the luminaire projected area to get a total effective projected area (EPA).



Notes
Tubular crossarms can be used with other poles if ordered with the pole.

PRODUCT INFORMATION

SSA

Square Straight Aluminum



Intended Use
Square straight aluminum general purpose pole for up to 35-foot mounting heights.

Construction
Shaft: Made from extruded 6063-T6 or 6061-T6 aluminum alloy, square tube is uniform in cross-section down length of shaft with no taper.

Anchor base: Cast from A356 aluminum alloy and heat treated to T6 temper.

Base plate and shaft are circumferentially welded top and bottom. Anchor bolt holes are recessed and are covered by tamper-resistant aluminum nut-cover discs

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor

bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: Reinforced rectangular hand hole is located 18" above base. 4" poles have 2" x 4" hand hole; 5" and 6" poles have 2.5" x 4" hand hole. Hand-hole cover plate made from aluminum alloy

Hardware: Stainless steel.
Top cap: Removable top cap provided with drill-mount poles.
Bolt covers: Nut-cover discs provided.
Finish: Must specify finish.

ADDITIONAL INFORMATION For ordering information, see page 588. For additional product information, visit www.lithonia.com.

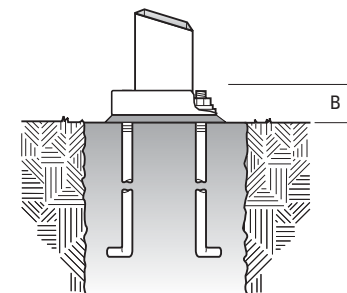
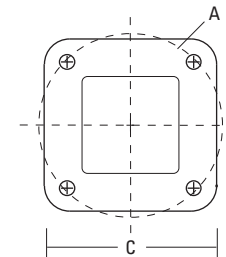
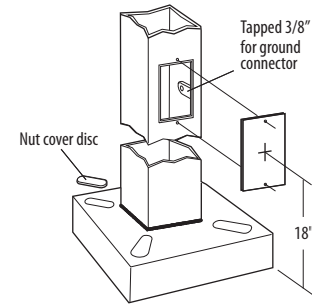
TECHNICAL INFORMATION - EPA (FT²) WITH 1.3 GUST

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (IN. X FT.)	WALL THICK. (IN.)	80 MPH	90 MPH	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS.)
SSA 8 4C	8	4 x 8	0.125	16.5	12.6	9.9	300	8.5 - 9.625	3/4 x 18 x 3	32
SSA 10 4C	10	4 x 10	0.125	11.5	8.6	6.5	230	8.5 - 9.625	3/4 x 18 x 3	37
SSA 12 4C	12	4 x 12	0.125	12.4	9.2	6.9	160	8.5 - 9.625	3/4 x 18 x 3	40
SSA 14 4C	14	4 x 14	0.125	9.3	6.7	4.8	120	8.5 - 9.625	3/4 x 18 x 3	50
SSA 15 4C	15	4 x 15	0.125	8.0	5.6	3.9	100	8.5 - 9.625	3/4 x 18 x 3	52
SSA 16 4C	16	4 x 16	0.125	6.9	4.7	3.1	90	8.5 - 9.625	3/4 x 18 x 3	54
SSA 16 4G	16	4 x 16	0.188	11.8	8.5	6.2	130	8.5 - 9.625	3/4 x 30 x 3	74
SSA 16 5G	16	5 x 16	0.188	15.0	11.1	7.5	280	10.5 - 11.5	3/4 x 30 x 3	83
SSA 18 4C	18	4 x 18	0.125	4.9	3.0	1.7	70	8.5 - 9.625	3/4 x 18 x 3	57
SSA 18 4G	18	4 x 18	0.188	9.2	6.4	4.4	100	8.5 - 9.625	3/4 x 30 x 3	80
SSA 18 5G	18	5 x 18	0.188	16.8	12.2	8.9	230	10.5 - 11.5	3/4 x 30 x 3	91
SSA 20 4C	20	4 x 20	0.125	3.3	1.7	0.5	40	8.5 - 9.625	3/4 x 18 x 3	62
SSA 20 4G	20	4 x 20	0.188	7.0	4.6	2.9	80	8.5 - 9.625	3/4 x 30 x 3	85
SSA 20 5G	20	5 x 20	0.188	13.6	9.5	6.6	180	10.5 - 11.5	3/4 x 30 x 3	107
SSA 20 6G	20	6 x 20	0.188	22.0	15.9	11.6	230	12 - 13	1 x 36 x 4	155
SSA 20 6J	20	6 x 20	0.250	30.4	22.6	17.0	300	12 - 13	1 x 36 x 4	202
SSA 25 5G	25	5 x 25	0.188	7.2	4.2	2.0	110	10.5 - 11.5	3/4 x 30 x 3	130
SSA 25 6G	25	6 x 25	0.188	13.2	8.6	5.4	180	12 - 13	1 x 36 x 4	180
SSA 25 6J	25	6 x 25	0.250	19.7	13.8	9.5	250	12 - 13	1 x 36 x 4	224
SSA 30 6G	30	6 x 30	0.188	7.0	3.4	0.8	130	12 - 13	1 x 36 x 4	210
SSA 30 6J	30	6 x 30	0.250	12.2	7.5	4.1	170	12 - 13	1 x 36 x 4	258
SSA 32 6J	32	6 x 32	0.250	9.7	5.4	2.3	160	12 - 13	1 x 36 x 4	272
SSA 35 6J	35	6 x 35	0.250	6.4	2.6	-	200	12 - 13	1 x 36 x 4	294
SSA 35 7J	35	6.75 x 35	0.250	7.6	3.1	-	150	14.625	1 x 36 x 4	290

POLE DATA

SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
4"C	8.5" - 9.625"	3.125"	9.938"	ABTEMPLATE PJ50045	AB18-0
4"G	8.5" - 9.625"	3.125"	9.938"	ABTEMPLATE PJ50045	AB30-0
5"	10.5" - 11.5"	3.25"	11.563"	ABTEMPLATE PJ50046	AB30-0
6"	12" - 13"	4"	12.25"	ABTEMPLATE PJ50044	AB36-0
7"	14.625"	4.125"	15"	ABTEMPLATE PJ50130	AB36-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Special alloy for high wind load conditions available, consult factory.
- Options, see pages 612-613.
- Brackets, see page 614.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Direct-burial option available, consult factory.
- Full base cover available as option, consult factory.
- Consult factory if product must meet "Buy Americann" specifications.

Intended Use

Square straight cruciform pole for up to 30-foot mounting heights.

Construction

Shaft: Made from extruded seamless 6000 series alloy aluminum tubing, square cruciform tube is uniform in cross-section down length of shaft with no taper.

Anchor base: Cast from A356 aluminum alloy and heat treated to T6 temper.

Base plate and shaft are circumferentially welded top and bottom. Anchor bolt holes are recessed and are covered by tamper-resistant aluminum nut-cover discs.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor

bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: Reinforced rectangular hand hole is located 18" above base. 2" x 4" hand-hole cover plate made from aluminum alloy.

Hardware: Stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Bolt covers: Nut cover discs provided.

Finish: Must specify finish.

SSCA

Square Straight Cruciform Aluminum



ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

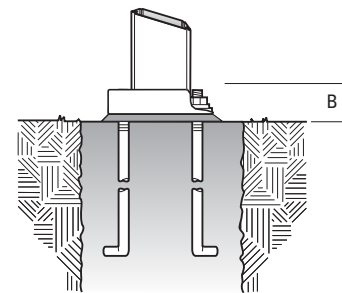
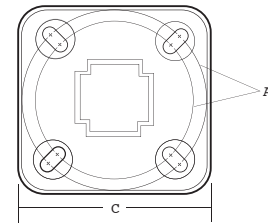
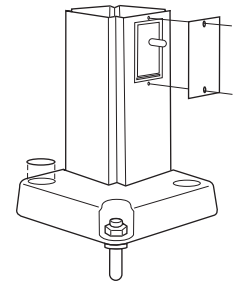
TECHNICAL INFORMATION - EPA (FT²) WITH 1.3 GUST

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (IN. X FT.)	WALL THICK. (IN.)	80 MPH	90 MPH	100 MPH	MAX. WT. (IN. X IN. X IN.)	APPROX. BOLT CIRCLE (IN.)	BOLT SIZE	SHIP WT. (LBS.)
SSCA 8 4G	8	4 x 8	0.188	30.2	23.5	18.6	350	8.5 - 9.625	3/4 x 18 x 4	45
SSCA 10 4G	10	4 x 10	0.188	23.5	18	14.1	260	8.5 - 9.625	3/4 x 18 x 4	50
SSCA 12 4G	12	4 x 12	0.188	18.4	13.9	10.7	260	8.5 - 9.625	3/4 x 18 x 4	56
SSCA 15 4G	15	4 x 15	0.188	10.6	7.7	5.6	200	8.5 - 9.625	3/4 x 18 x 4	67
SSCA 18 4G	18	4 x 18	0.188	7.2	4.9	3.2	200	8.5 - 9.625	3/4 x 18 x 4	77
SSCA 18 6G	18	6 x 18	0.188	21.7	15.9	11.7	260	12 - 13	1 x 36 x 4	139
SSCA 20 4G	20	4 x 20	0.188	5.8	3.6	2	100	8.5 - 9.625	3/4 x 18 x 4	84
SSCA 20 6G	20	6 x 20	0.188	18.3	13	9.2	150	12 - 13	1 x 36 x 4	149
SSCA 25 6G	25	6 x 25	0.188	11	6.8	3.7	150	12 - 13	1 x 36 x 4	175
SSCA 30 6G	30	6 x 30	0.188	4.5	1.4	-	260	12 - 13	1 x 36 x 4	201

POLE DATA

SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
4"	8.5" - 9.625"	3.125"	9.938"	ABTEMPLATE PJ50131	AB18-0
6"	12" - 13"	4"	12.75"	ABTEMPLATE PJ50132	AB36-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 614.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

PRODUCT INFORMATION

RSA

Round Straight Aluminum



Intended Use
Round straight aluminum general purpose pole for up to 30-foot mounting heights.

Construction
Shaft: One-piece extruded 6063-T6 aluminum alloy with T6 temper. Circumferential satin-brushed finish. Round straight tube is uniform in cross-section down length of shaft with no taper.

Anchor base: Cast from A356 aluminum alloy and heat treated to T6 temper. Base

plate and shaft are circumferentially welded top and bottom. The anchor base is provided with slotted holes.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: Reinforced 2" x 4" hand hole is located 18" above base. (4.5" and 5" poles have either 2" x 4" or 3" x 5" hand hole; 6" poles have a 3" x 5" hand hole). Cover and attachment hardware furnished.

Hardware: Stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

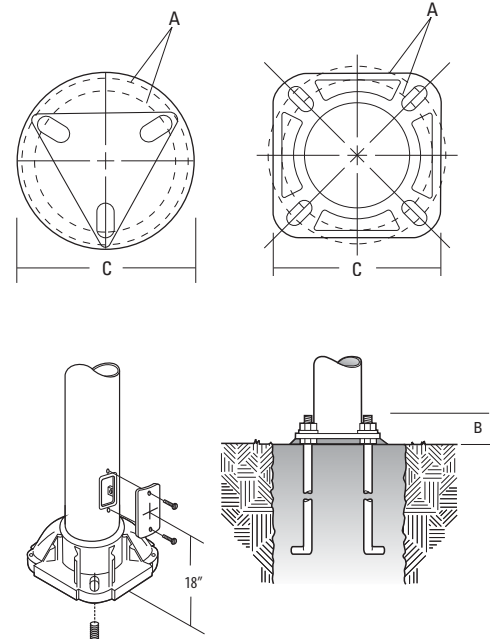
Bolt covers: A356 bolt covers included with anchor base unless otherwise specified.

Finish: Must specify finish.

ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION - EPA (FT ²) WITH 1.3 GUST											
NUMBER OF BOLTS	CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (IN. X FT.)	WALL THICK. (IN.)	80 MPH	90 MPH	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS.)
4-BOLT BASE	RSA 8 4C	8	4 x 8	0.125	11.2	8.6	6.8	125	6.5 - 8.25	3/4 x 18 x 3	22
	RSA 10 4C	10	4 x 10	0.125	8.2	6.1	4.7	100	6.5 - 8.25	3/4 x 18 x 3	26
	RSA 12 4C	12	4 x 12	0.125	6.0	4.3	3.2	110	6.5 - 8.25	3/4 x 18 x 3	30
	RSA 12 4-5C	12	4.5 x 12	0.125	8.1	6.0	4.8	80	7.125 - 8.375	3/4 x 18 x 3	38
	RSA 14 4C	14	4 x 14	0.125	4.1	2.8	1.9	75	6.5 - 8.25	3/4 x 18 x 3	35
	RSA 14 4-5C	14	4.5 x 14	0.125	5.8	4.2	3.3	60	7.125 - 8.375	3/4 x 18 x 3	42
	RSA 14 5C	14	5 x 14	0.125	7.8	6.0	4.7	100	7.5 - 9.5	3/4 x 18 x 3	39
	RSA 16 4C	16	4 x 16	0.125	2.8	1.6	1.0	150	6.5 - 8.5	3/4 x 18 x 3	38
	RSA 16 4-5C	16	4.5 x 16	0.125	4.2	2.8	2.1	50	7.125 - 8.375	3/4 x 18 x 3	46
	RSA 16 4-5G	16	4.5 x 16	0.188	7.5	5.5	4.3	155	7.125 - 8.375	3/4 x 18 x 3	62
	RSA 16 5C	16	5 x 16	0.125	5.9	4.4	3.4	175	7.5 - 9.5	3/4 x 18 x 3	46
	RSA 16 5E	16	5 x 16	0.156	8.0	6.1	4.8	190	7.5 - 9.5	3/4 x 18 x 3	53
	RSA 18 4-5G	18	4.5 x 18	0.188	5.7	4.0	3.1	123	7.125 - 8.375	3/4 x 18 x 3	68
	RSA 18 5C	18	5 x 18	0.125	4.3	3.1	2.4	150	7.5 - 9.5	3/4 x 18 x 3	48
	RSA 18 5E	18	5 x 18	0.156	6.1	4.6	3.5	175	7.5 - 9.5	3/4 x 18 x 3	58
	RSA 18 5G	18	5 x 18	0.188	8.0	6.8	4.7	225	7.5 - 9.5	3/4 x 18 x 3	68
	RSA 20 4-5G	20	4.5 x 20	0.188	4.3	2.9	2.1	95	7.125 - 8.375	3/4 x 30 x 3	74
	RSA 20 5C	20	5 x 20	0.125	3.0	2.1	1.5	150	7.5 - 9.5	3/4 x 18 x 3	54
	RSA 20 5E	20	5 x 20	0.156	4.7	3.4	2.6	150	7.5 - 9.5	3/4 x 18 x 3	68
	RSA 20 5G	20	5 x 20	0.188	6.4	4.8	3.6	150	7.5 - 9.5	3/4 x 18 x 3	82
RSA 20 6E	20	6 x 20	0.156	9.3	7.1	5.5	175	8.75 - 10.25	3/4 x 30 x 3	95	
RSA 25 4-5G	25	4.5 x 25	0.188	1.3	-	-	100	7.125 - 8.375	3/4 x 18 x 3	89	
RSA 25 6E	25	6 x 25	0.156	5.2	3.8	2.8	150	8.75 - 10.25	3/4 x 30 x 3	108	
RSA 25 6G	25	6 x 25	0.188	7.1	5.3	4.0	150	8.75 - 10.25	3/4 x 30 x 3	128	
RSA 30 6G	30	6 x 30	0.188	3.5	2.4	1.6	200	8.75 - 10.25	3/4 x 30 x 3	146	
3-BOLT BASE	3RSA 8 3C	8	3 x 8	0.125	5.8	4.3	3.3	75	5.5 - 7	3/4 x 18 x 3	22
	3RSA 10 3C	10	3 x 10	0.125	4.0	2.9	2.1	75	5.5 - 7	3/4 x 18 x 3	26
	3RSA 10 4C	10	4 x 10	0.125	8.2	6.1	4.7	75	6.3125 - 7.375	3/4 x 18 x 3	26
	3RSA 12 3C	12	3 x 12	0.125	2.7	1.8	1.2	75	5.5 - 7	3/4 x 18 x 3	30
	3RSA 12 4C	12	4 x 12	0.125	5.8	4.2	3.1	150	6.3125 - 7.375	3/4 x 18 x 3	30
	3RSA 12 5C	12	5 x 12	0.125	10.3	8	6.3	150	7.375 - 8.5	3/4 x 18 x 3	36
	3RSA 14 3C	14	14 x 3	0.125	1.7	1.0	0	75	5.5 - 7	3/4 x 18 x 3	35
	3RSA 14 4C	14	14 x 4	0.125	4.1	2.8	1.9	150	6.3125 - 7.375	3/4 x 18 x 3	35
	3RSA 14 5C	14	14 x 5	0.125	7.9	6.0	4.7	150	7.375 - 8.5	3/4 x 18 x 3	39
	3RSA 16 4C	16	4 x 16	0.125	2.8	1.6	1.0	150	6.3125 - 7.375	3/4 x 18 x 3	38
	3RSA 16 5E	16	5 x 16	0.156	8.0	6.1	4.8	150	7.375 - 8.5	3/4 x 18 x 3	53
	3RSA 18 5C	18	5 x 18	0.125	4.3	3.1	2.4	150	7.375 - 8.5	3/4 x 18 x 3	48
3RSA 20 5C	20	5 x 20	0.125	2.9	2.0	1.4	150	7.375 - 8.5	3/4 x 18 x 3	54	
3RSA 20 5E	20	5 x 20	0.156	4.6	3.3	2.5	150	7.375 - 8.5	3/4 x 18 x 3	68	



INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.

POLE DATA						
NUMBER OF BOLTS	SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
4-BOLT BASE	4"	6.5" - 8.25"	3.25"	8.75"	ABTEMPLATE PJ50057	AB18-0
	4.5"	7" - 8.5"	3.25"	8.5"	ABTEMPLATE PJ50040	AB18-0
	5"	7.5" - 9.5"	3.25"	9.25"	ABTEMPLATE PJ50058	AB18-0
	6"	8.75" - 10.25"	3.50"	10.25"	ABTEMPLATE PJ50059	AB30-0
3-BOLT BASE	3"	5.5" - 7"	3.25"	7.5"	ABTEMPLATE PJ50125	AB18-0
	4"	6.3125" - 7.375"	3.25"	8.875"	ABTEMPLATE PJ50126	AB18-0
	5"	7.375" - 8.5"	3.25"	10.25"	ABTEMPLATE PJ50127	AB18-0

Notes

- Mounting arrangement: (PT) open top or (Tox) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 614.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Direct-burial option available, consult factory.
- Consult factory if product must meet "Buy American" specifications.
- Three-bolt poles have drilling located midway between anchor bolts. Hand hole is located on opposite side of drilling. For special drillings, consult factory.

PRODUCT INFORMATION

Intended Use

Round straight aluminum general purpose pole for up to 20-foot mounting heights.

Construction

Shaft: One-piece extruded 6063-T6 aluminum alloy with T6 temper. Circumferential satin-brushed finish. Round straight tube is uniform in cross-section down length of shaft with no taper.

Anchor base: Cast from A356 aluminum alloy and heat treated to T6 temper. Base plate and shaft are circumferentially welded top and bottom. RSAO: Base plate

bolt circle is 7.5". RSALP: The anchor base is provided with slotted holes.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with hex nut, washer and leveling shims.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: Reinforced 2"x5" hand hole is located 18" above base. Cover and attachment hardware furnished.

Hardware: Stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

RSAO: Decorative base. Made of die-cast aluminum the decorative base slides over the pole, matching a key slot in the pole baseplate allowing a reveal between the baseplate and the decorative base cover. The decorative base cover is 17.5" tall which

is combined with the height of the matching baseplate for a total height of 20.25".

RSALP: Low-profile base cover. Made of die-cast aluminum, the base slides over the pole fitting over the pole, baseplate for a smooth one-piece design. The base cover is 5" tall with a step contour 3-1/2" above the base.

Finish: Must specify finish.

RSAO

Round Straight Aluminum with OMERO™ Decorative Base Cover

RSALP

Round Straight Aluminum with Low-Profile Base Cover



ADDITIONAL INFORMATION

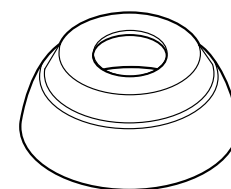
For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION- EPA (FT²) WITH 1.3 GUST

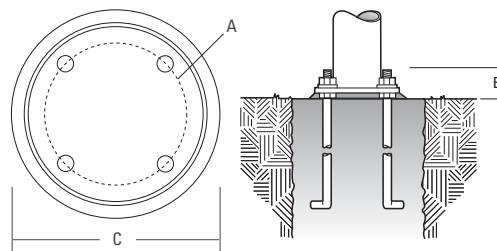
NUMBER OF BOLTS	CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (IN. X FT.)	WALL THICK. (IN.)	80 MPH	90 MPH	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS.)
RSAO 4-BOLT BASE	RSAO 8 4C	8	4 x 8	0.125	11.2	8.6	6.8	125	7.5	3/4 x 18 x 3	22
	RSAO 10 4C	10	4 x 10	0.125	8.2	6.1	4.7	100	7.5	3/4 x 18 x 3	26
	RSAO 12 4C	12	4 x 12	0.125	6.0	4.3	3.2	110	7.5	3/4 x 18 x 3	30
	RSAO 12 4-5C	12	4.5 x 12	0.125	8.1	6.0	4.8	80	7.5	3/4 x 18 x 3	38
	RSAO 14 4C	14	4 x 14	0.125	4.1	2.8	1.9	75	7.5	3/4 x 18 x 3	35
	RSAO 14 4-5C	14	4.5 x 14	0.125	5.8	4.2	3.3	60	7.5	3/4 x 18 x 3	42
	RSAO 14 5C	14	5 x 14	0.125	7.8	6.0	4.7	100	7.5	3/4 x 18 x 3	39
	RSAO 16 4C	16	4 x 16	0.125	2.8	1.6	1.0	150	7.5	3/4 x 18 x 3	38
	RSAO 16 4-5C	16	4.5 x 16	0.125	4.2	2.8	2.1	50	7.5	3/4 x 18 x 3	46
	RSAO 16 5C	16	5 x 16	0.125	5.9	4.4	3.4	175	7.5 - 9.5	3/4 x 18 x 3	46
	RSAO 18 4-5G	18	4.5 x 18	0.188	5.7	4.0	3.1	123	7.125 - 8.375	3/4 x 18 x 3	68
	RSAO 18 5C	18	5 x 18	0.125	4.3	3.1	2.4	150	7.5 - 9.5	3/4 x 18 x 3	48
	RSAO 20 4-5G	20	4.5 x 20	0.188	4.3	2.9	2.1	95	7.125 - 8.375	3/4 x 18 x 3	74
	RSAO 20 5C	20	5 x 20	0.125	3.0	2.1	1.5	150	7.5 - 9.5	3/4 x 18 x 3	54
RSALP 4-BOLT BASE	RSALP 8 4C	8	4 x 8	0.125	11.2	8.6	6.8	125	6.5 - 8.25	3/4 x 18 x 3	22
	RSALP 10 4C	10	4 x 10	0.125	8.2	6.1	4.7	100	7.125 - 8.375	3/4 x 18 x 3	26
	RSALP 12 4C	12	4 x 12	0.125	6.0	4.3	3.2	110	6.5 - 8.25	3/4 x 18 x 3	30
	RSALP 12 4-5C	12	4.5 x 12	0.125	8.1	6.0	4.8	80	7.125 - 8.375	3/4 x 18 x 3	38
	RSALP 14 4C	14	4 x 14	0.125	4.1	2.8	1.9	75	7.5 - 9.5	3/4 x 18 x 3	35
	RSALP 14 4-5C	14	4.5 x 14	0.125	5.8	4.2	3.3	60	6.5 - 8.5	3/4 x 18 x 3	42
	RSALP 14 5C	14	5 x 14	0.125	7.8	6.0	4.7	100	7.125 - 8.375	3/4 x 18 x 3	39
	RSALP 16 4C	16	4 x 16	0.125	2.8	1.6	1.0	150	7.125 - 8.375	3/4 x 18 x 3	38
	RSALP 16 4-5C	16	4.5 x 16	0.125	4.2	2.8	2.1	50	7.5 - 9.5	3/4 x 18 x 3	46
	RSALP 16 5C	16	5 x 16	0.125	5.9	4.4	3.4	175	7.5 - 9.5	3/4 x 18 x 3	46
	RSALP 18 4-5G	18	4.5 x 18	0.188	5.7	4.0	3.1	123	7.125 - 8.375	3/4 x 18 x 3	68
	RSALP 18 5C	18	5 x 18	0.125	4.3	3.1	2.4	150	7.5 - 9.5	3/4 x 18 x 3	48
	RSALP 20 4-5G	20	4.5 x 20	0.188	4.3	2.9	2.1	95	7.125 - 8.375	3/4 x 18 x 3	74
	RSALP 20 5C	20	5 x 20	0.125	3.0	2.1	1.5	150	7.5 - 9.5	3/4 x 18 x 3	54



RSAO Base Cover



RSALP Base Cover



POLE DATA

NUMBER OF BOLTS	SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
RSAO 4-BOLT BASE	4"	7.5"	3.25"	13"	ABTEMPLATE PJ50070	AB18-0
	4.5"	7.5"	3.25"	8.5"	ABTEMPLATE PJ50070	AB18-0
	5"	7.5"	3.25"	9.25"	ABTEMPLATE PJ50070	AB18-0
RSALP 4-BOLT BASE	4"	6.5" - 8.25"	3.25"	8.75"	ABTEMPLATE PJ50057	AB18-0
	4.5"	7" - 8.5"	3.25"	8.5"	ABTEMPLATE PJ50040	AB18-0
	5"	7.5" - 8"	3.25"	7.5"	ABTEMPLATE PJ50071	AB18-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.

Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 614.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Consult factory if product must meet "Buy American" specifications.
- Brushed aluminum or anodized finish is not recommended.

PRODUCT INFORMATION

RTA

Round Tapered Aluminum



Intended Use
Round tapered aluminum general purpose pole for up to 39-foot mounting heights.

Construction
Shaft: The shaft is spun tapered from seamless 6063 alloy aluminum tubing and heat treated to a T6 temper. Circumferential satin-brushed finish. Round in cross-section down length of shaft and cone tapered to the butt diameter.

Anchor base: Cast from A356 aluminum alloy and

heat treated to T6 temper. Base plate and shaft are circumferentially welded top and bottom.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Ground-

ing hardware is not included (provided by others).

Hand hole: A nominal 3" x 5" or 4" x 6" reinforced flush covered hand hole is centered 18" above the base.

Hardware: Stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Bolt covers: A356 bolt covers included with anchor base unless otherwise specified.

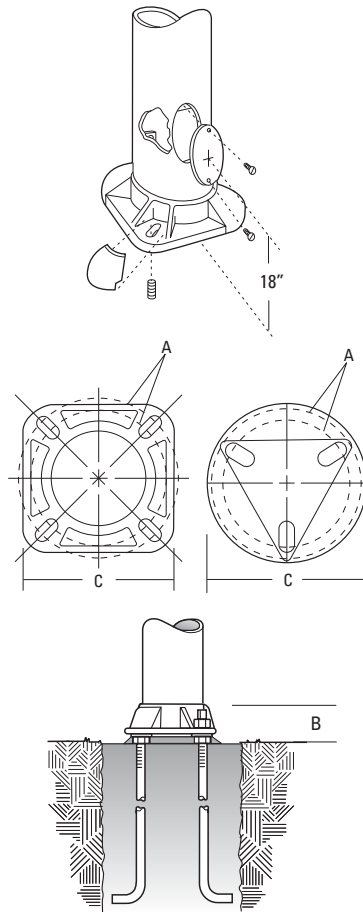
Finish: Must specify finish.

ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION - EPA (FT³) WITH 1.3 GUST

NUMBER OF BOLTS	CATALOG NUMBER	NOM. MOUNT HT. (FT.)	POLE SHAFT SIZE (BASE IN. X TOP IN. X FT.)	WALL THICKNESS (IN.)	80 MPH	90 MPH	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX SHIP WT. (LBS.)
4-BOLT BASE	RTA 20 5C	20	5 x 3 x 19.66	0.125	3.9	2.5	1.6	100	7.5 - 9.5	3/4 x 18 x 3	62
	RTA 20 5G	20	5 x 3 x 19.66	0.188	7.4	5.2	3.8	100	7.5 - 9.5	3/4 x 18 x 3	72
	RTA 20 6G	20	6 x 4 x 19.66	0.188	12.2	9.2	7.2	214	9 - 10	3/4 x 30 x 3	107
	RTA 20 7E	20	7 x 4 x 19.66	0.156	15.0	11.4	9.0	256	9.875 - 11.25	1 x 36 x 4	103
	RTA 25 6E	25	6 x 4 x 24.66	0.156	5.3	3.6	2.6	114	9 - 10	3/4 x 30 x 3	106
	RTA 25 7E	25	7 x 4 x 24.66	0.156	9.5	7.0	5.4	162	9.875 - 11.25	1 x 36 x 4	120
	RTA 25 8E	25	8 x 4.5 x 24.66	0.156	14.2	10.9	8.5	220	11 - 12	1 x 36 x 4	130
	RTA 25 8G	25	8 x 4.5 x 24.66	0.188	18.0	13.8	10.9	261	11 - 12	1 x 36 x 4	153
	RTA 30 7E	30	7 x 4 x 29.66	0.156	5.5	3.8	2.7	111	9.875 - 11.25	1 x 36 x 4	135
	RTA 30 8E	30	8 x 4.5 x 29.66	0.156	9.4	7.0	5.3	151	11 - 12	1 x 36 x 4	150
	RTA 30 8G	30	8 x 4.5 x 29.66	0.188	12.4	9.4	7.3	179	11 - 12	1 x 36 x 4	175
	RTA 30 10G	30	10 x 6 x 29.66	0.188	23.8	18.3	14.3	377	14.25 - 16.25	1 x 40 x 4	235
	RTA 35 8E	35	8 x 4.5 x 34.66	0.156	5.8	4.1	2.9	119	11 - 12	1 x 36 x 4	185
	RTA 35 8G	35	8 x 4.5 x 34.66	0.188	8.3	6.0	4.5	141	11 - 12	1 x 36 x 4	220
	RTA 35 8J	35	8 x 4.5 x 34.66	0.250	12.9	9.7	7.5	183	11 - 12	1 x 36 x 4	251
	RTA 35 10G	35	10 x 6 x 34.66	0.188	17.9	13.6	10.4	295	14.25 - 16.25	1 x 40 x 4	268
	RTA 39 8G	39	8 x 4.5 x 38.66	0.188	5.6	3.9	2.7	122	11 - 12	1 x 36 x 4	250
	RTA 39 8J	39	8 x 4.5 x 38.66	0.250	9.7	7.1	5.4	158	11 - 12	1 x 36 x 4	280
RTA 39 10G	39	10 x 6 x 38.66	0.188	14.2	10.5	7.8	253	14.25 - 16.25	1 x 40 x 4	295	
RTA 39 10J	39	10 x 6 x 38.66	0.250	20.4	15.5	11.9	300	14.5 - 16	1-1/4 x 48 x 5	373	
3-BOLT BASE	3RTA 8 4C	8	4 x 3 x 8	0.125	12.1	9.3	7.3	75	6.5 - 7.25	3/4 x 18 x 3	23
	3RTA 10 4C	10	4 x 3 x 10	0.125	8.8	6.7	5.2	75	6.5 - 7.25	3/4 x 18 x 3	27
	3RTA 12 4C	12	4 x 3 x 12	0.125	6.6	4.8	3.6	75	6.5 - 7.25	3/4 x 18 x 3	31
	3RTA 14 4C	14	4 x 3 x 14	0.125	4.9	3.4	2.4	75	6.5 - 7.25	3/4 x 18 x 3	34
	3RTA 16 4C	16	4 x 3 x 16	0.125	3.5	2.3	1.5	75	6.5 - 7.25	3/4 x 18 x 3	38
	3RTA 16 5C	16	5 x 3 x 16	0.125	6.9	5.0	3.8	75	7.5 - 8.5	3/4 x 18 x 3	43
	3RTA 18 5C	18	5 x 3 x 18	0.125	5.0	3.5	2.5	150	7.5 - 8.5	3/4 x 18 x 3	47
	3RTA 18 5E	18	5 x 3 x 18	0.156	7.0	5.0	3.7	150	7.5 - 8.5	3/4 x 18 x 3	57
	3RTA 20 5C	20	5 x 3 x 20	0.125	3.8	2.5	1.6	150	7.5 - 8.5	3/4 x 18 x 3	50
	3RTA 20 5E	20	5 x 3 x 20	0.156	5.5	3.8	2.6	150	7.5 - 8.5	3/4 x 18 x 3	62



POLE DATA

NUMBER OF BOLTS	SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
4-BOLT BASE	5"	7.5" - 9.5"	3.25"	9.25"	ABTEMPLATE PJ50032	AB18-0
	6"	9" - 10"	3.50"	10"	ABTEMPLATE PJ50033	AB30-0
	7"	9.875" - 11.25"	4.125"	10.5"	ABTEMPLATE PJ50034	AB36-0
	8"	11" - 12"	4.25"	11.5"	ABTEMPLATE PJ50035	AB36-0
	10"G	14.25" - 16.25"	4.50"	14.5"	ABTEMPLATE PJ50036	AB40-0
3-BOLT BASE	10"J	14.5" - 16"	5.00"	14.5"	ABTEMPLATE PJ50063	AB48-0
	4"	6.5" - 7.25"	3.25"	8.875"	ABTEMPLATE PJ50128	AB18-0
	5"	7.5" - 8.5"	3.25"	10.25"	ABTEMPLATE PJ50129	AB18-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.

Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 614.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Direct-burial option available, consult factory.
- 2" x 4" hand hole used on 4" and some 5" shafts.
- 4" x 8" hand hole available on 8" shafts, consult factory.
- Consult factory if product must meet "Buy American" specifications.
- Three-bolt poles have drilling located midway between anchor bolts. Hand hole is located on opposite side of drilling. For special drillings, consult factory.

PRODUCT INFORMATION

Intended Use

Round tapered aluminum roadway pole with upsweep mast arm(s) for up to 40-foot mounting heights including rise of arm.

Construction

Shaft: Shaft is spun tapered from seamless 6063 alloy aluminum tubing and heat treated to a T6 temper. Circumferential satin-brushed finish. Round in cross-section down length of shaft and cone tapered to the base diameter.

Arm: Body of the mounting arm is tapered aluminum

alloy 6063-T6 tube with 2-3/8" OD (2" NPS) pipe size at luminaire end. The pole end of the arm is welded to an aluminum alloy 6063-T6 mounting plate.

Mounting: Arm mounting plate bolts to the shaft using stainless steel bolts, nuts and washers. A grommet is provided for the 1-1/4" diameter wiring hole between the pole shaft and the bracket arm.

Anchor base: Cast from A356 aluminum alloy and heat treated to T6 temper. Base plate and shaft are

circumferentially welded top and bottom.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Provision located inside hand hole rim. Grounding hardware is not included (provided by others).

Hand hole: A nominal 3" x 5" or 4" x 6" reinforced flush covered hand hole is centered 18" above the base.

Hardware: Stainless steel.

Top cap: Removable top cap provided.

Bolt covers: A356 bolt covers included with anchor base unless otherwise specified.

Finish: Must specify finish.

RTAU

Round Tapered Aluminum with Upsweep Mast Arms



ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

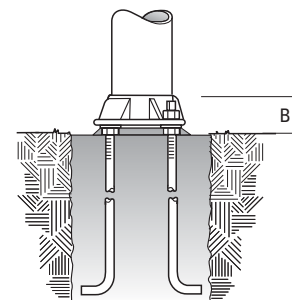
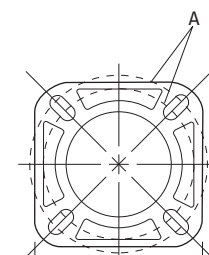
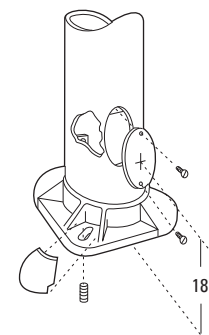
TECHNICAL INFORMATION

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	MTG. ARM LENGTH (FT.)	POLE SHAFT SIZE (BASE IN. X TOP IN.)	WALL THICK. (IN.)	EPA FT ² W/1.3 GUST UP TO 100 MPH (PER ARM)	MAX. WT. (LBS.)	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN.)	APPROX. SHIP WT. (LBS.)	
SINGLE-ARM POLES	RTAU 20 6E BMA US4	20	4	6 x 4.5	0.156	2	65	9" - 10"	3/4 x 30 x 3	90
	RTAU 20 6G BMA US6	20	6	6 x 4.5	0.188	2	65	9" - 10"	3/4 x 30 x 3	100
	RTAU 20 6G BMA US8	20	8	6 x 4.5	0.188	1.74	65	9" - 10"	3/4 x 30 x 3	105
	RTAU 25 7E BMA US4	25	4	7 x 4.5	0.156	2	65	10" - 11"	1 x 36 x 4	120
	RTAU 25 7G BMA US6	25	6	7 x 4.5	0.188	2	65	10" - 11"	1 x 36 x 4	140
	RTAU 25 8E BMA US8	25	8	8 x 4.5	0.156	1.74	65	11" - 12"	1 x 36 x 4	135
	RTAU 30 8E BMA US4	30	4	8 x 4.5	0.156	2	65	11" - 12"	1 x 36 x 4	150
	RTAU 30 8G BMA US6	30	6	8 x 4.5	0.188	2	65	11" - 12"	1 x 36 x 4	170
	RTAU 30 8G BMA US8	30	8	8 x 4.5	0.188	1.74	65	11" - 12"	1 x 36 x 4	175
	RTAU 35 8G BMA US4	35	4	8 x 4.5	0.188	2	65	11" - 12"	1 x 36 x 4	190
	RTAU 35 8J BMA US6	35	6	8 x 4.5	0.250	2	65	11" - 12"	1 x 36 x 4	240
	RTAU 35 8J BMA US8	35	8	8 x 4.5	0.250	1.74	65	11" - 12"	1 x 36 x 4	245
	RTAU 40 8J BMA US4	40	4	8 x 4.5	0.250	2	65	11" - 12"	1 x 36 x 4	255
	RTAU 40 8J BMA US6	40	6	8 x 4.5	0.250	2	65	11" - 12"	1 x 36 x 4	260
	RTAU 40 10G BMA US8	40	8	10 x 6	0.188	1.74	65	14" - 15"	1 x 48 x 4	265
DOUBLE-ARM POLES	RTAU 20 6G BMA 2US4	20	4	6 x 4.5	0.188	2	65	9" - 10"	3/4 x 30 x 3	105
	RTAU 20 7E BMA 2US6	20	6	7 x 4.5	0.156	2	65	10" - 11"	1 x 36 x 4	120
	RTAU 20 7G BMA 2US8	20	8	7 x 4.5	0.188	1.74	65	10" - 11"	1 x 36 x 4	140
	RTAU 25 8E BMA 2US4	25	4	8 x 4.5	0.156	2	65	11" - 12"	1 x 36 x 4	140
	RTAU 25 8E BMA 2US6	25	6	8 x 4.5	0.156	2	65	11" - 12"	1 x 36 x 4	145
	RTAU 25 8G BMA 2US8	25	8	8 x 4.5	0.188	1.74	65	11" - 12"	1 x 36 x 4	170
	RTAU 30 8G BMA 2US4	30	4	8 x 4.5	0.188	2	65	11" - 12"	1 x 36 x 4	175
	RTAU 30 8J BMA 2US6	30	6	8 x 4.5	0.250	2	65	11" - 12"	1 x 36 x 4	215
	RTAU 30 8J BMA 2US8	30	8	8 x 4.5	0.250	1.74	65	11" - 12"	1 x 36 x 4	220
	RTAU 35 10G BMA 2US4	35	4	10 x 6	0.188	2	65	14" - 15"	1 x 48 x 4	270
	RTAU 35 10G BMA 2US6	35	6	10 x 6	0.188	2	65	14" - 15"	1 x 48 x 4	280
	RTAU 35 10J BMA 2US8	35	8	10 x 6	0.250	1.74	65	14" - 15"	1 x 48 x 4	350
	RTAU 40 10L BMA 2US4	40	4	10 x 6	0.219	2	65	14" - 15"	1 x 48 x 4	320
	RTAU 40 10L BMA 2US6	40	6	10 x 6	0.219	2	65	14" - 15"	1 x 48 x 4	325
	RTAU 40 10J BMA 2US8	40	8	10 x 6	0.250	1.74	65	14" - 15"	1 x 48 x 4	365

POLE DATA

SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
6"	9" - 10"	4.75"	9.75"	ABTEMPLATE PJ50033	AB30-0
7"	10" - 11"	4.75"	10.5"	ABTEMPLATE PJ50034	AB36-0
8"	11" - 12"	4.75"	11.25"	ABTEMPLATE PJ50035	AB36-0
10"	14" - 15"	5.25"	14"	ABTEMPLATE PJ50481	AB481-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Fixture's nominal mounting height is the sum of shaft length plus rise of upsweep arm.
- Three- and four-arm configurations available, consult factory.
- Truss and davit arms available, consult factory.
- Mounting options: (Txx) tenon and/or (DMxx) drilling may be added, consult factory.
- Options, see pages 612-613.
- Brackets, see page 614.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Transformer bases and breakaway couplings available, consult factory.
- Three-bolt slip bases available, consult factory.
- Direct-burial option available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

PRODUCT INFORMATION

RSAH

Round Straight Aluminum, Hinged



Intended Use
Round straight aluminum hinged pole with 10-to 20-foot mounting heights. Good application where maintenance access is limited.

Construction
Shaft: One-piece extruded 6063-T6 aluminum alloy with T6 temper. Circumferential satin-brushed finish. Round straight tube is uniform in cross-section down length of shaft with no taper.

Hinged anchor base: Cast from A356 aluminum

alloy and heat treated to T6 temper. Shaft and tilting section of the hinged base are circumferentially welded top and bottom. The tilting and anchored sections of the hinged base are joined by a 3/4" diameter solid aluminum pivot rod. The tilting section of the hinged base is held in a vertical position by three 1/2"-13 x 2" stainless steel hex head bolts that attach to stainless steel inserts cast into the aluminum base.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Anchor base plate is tapped for 3/8"-16 UNC grounding bolt (provided by others).

Hand hole: Available as an option; Located 90° to the right of the hinge.

Hardware: Stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Base cover: Includes cast-aluminum two-piece cover.

Finish: Must specify finish.

ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION - EPA (FT²) WITH 1.3 GUST

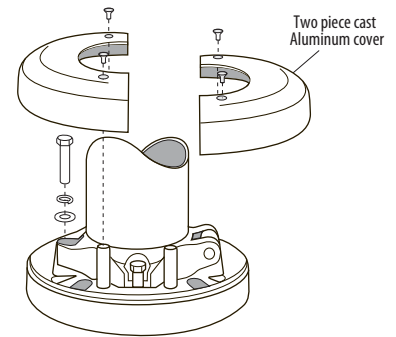
CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (IN. X FT.)	WALL THICK. (IN.)	80 MPH	90 MPH	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS)
RSAH 10 4C	10	4 x 10	0.125	8.2	6.1	4.7	100	8.5 - 10	3/4 x 18 x 3	43
RSAH 14 4C	14	4 x 14	0.125	4.4	3.0	2.1	100	8.5 - 10	3/4 x 18 x 3	50
RSAH 14 5E	14	5 x 14	0.156	10.6	8.2	6.5	100	8.5 - 10	3/4 x 18 x 3	66
RSAH 16 4C	16	4 x 16	0.125	3.1	1.9	1.2	100	8.5 - 10	3/4 x 18 x 3	54
RSAH 16 5C	16	5 x 16	0.125	6.2	4.7	3.6	100	8.5 - 10	3/4 x 18 x 3	60
RSAH 16 6E	16	6 x 16	0.156	13.8	10.7	8.5	100	8.5 - 10	3/4 x 30 x 3	88
RSAH 18 5C	18	5 x 18	0.125	4.5	3.3	2.5	130	8.5 - 10	3/4 x 18 x 3	65
RSAH 18 5G	18	5 x 18	0.188	8.2	6.2	4.9	130	8.5 - 10	3/4 x 18 x 3	90
RSAH 20 5C	20	5 x 20	0.125	3.2	2.2	1.6	130	8.5 - 10	3/4 x 18 x 3	69
RSAH 20 5G	20	5 x 20	0.188	6.4	4.8	3.7	130	8.5 - 10	3/4 x 18 x 3	97
RSAH 20 6G	20	6 x 20	0.188	11.7	9.0	7.1	130	8.5 - 10	3/4 x 30 x 3	110

POLE DATA

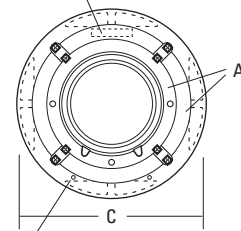
SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
4"	8.5" - 10"	3.50"	12.625"	ABTEMPLATE PJ50060	AB18-0
5"	8.5" - 10"	3.50"	12.625"	ABTEMPLATE PJ50061	AB18-0
6"	8.5" - 10"	3.50"	12.625"	ABTEMPLATE PJ50062	AB30-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.

Hinge base poles without handholes will be drilled for the first fixture 90 degrees to the right of the hinge. When a handhole is specified as an adder, the first fixture drilling will be 90 degrees to the right of the handhole. If the customer has different fixture drilling orientation requirements, please specify that on the purchase order.

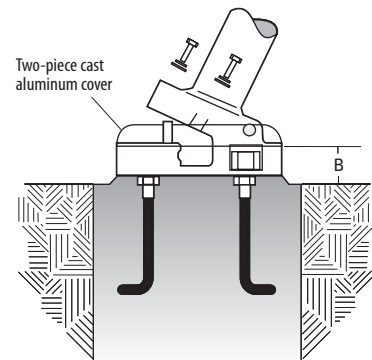


3/4" Solid aluminum pivot rod



Trapped 3/8" - 16 for ground connector

Hinge direction "A" side of pole



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 614.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Pole hinges at base.
- Consult factory if product must meet "Buy American" specifications.

Intended Use

Square straight aluminum hinged pole with 10- to 20-foot mounting heights. Good application where maintenance access is limited.

Construction

Shaft: Made from extruded 6063-T6 aluminum alloy, square tube is uniform in cross-section down length of shaft with no taper.

Hinged anchor base: Cast from A356 aluminum alloy and heat-treated to T6 temper. Shaft and tilting

section of the hinged base are circumferentially welded top and bottom. The tilting and anchored sections of the hinged base are joined by a 3/4" diameter solid aluminum pivot rod. The tilting section of the hinged base is held in a vertical position by three 1/2"-13 x 2" stainless steel hex-head bolts that attach to stainless steel inserts cast into the aluminum base.

Anchor bolts: Fabricated from carbon steel bar with

minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Grounding: Anchor base plate is tapped for 3/8"-16 UNC grounding bolt (provided by others).

Hand hole: Available as an option; located 90° to the right of the hinge.

Hardware: Stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Base cover: Includes cast-aluminum two-piece cover.

Finish: Must specify finish.

SSAH

Square Straight Aluminum, Hinged



ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION- EPA (FT²) WITH 1.3 GUST

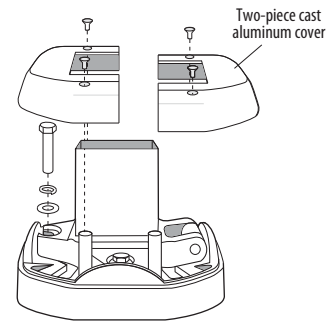
CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (IN. X FT.)	WALL THICK. (IN.)	80 MPH	90 MPH	100 MPH	MAX. WT.	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS.)
SSAH 10 4C	10	4 x 10	0.125	13.1	9.9	7.5	100	8.5 - 10	3/4 x 18 x 3	48
SSAH 12 4C	12	4 x 12	0.125	9.6	7.0	5.1	100	8.5 - 10	3/4 x 18 x 3	53
SSAH 14 4C	14	4 x 14	0.125	7.0	4.9	3.3	100	8.5 - 10	3/4 x 18 x 3	57
SSAH 15 4C	15	4 x 15	0.125	6.0	4.0	2.6	100	8.5 - 10	3/4 x 18 x 3	60
SSAH 16 4C	16	4 x 16	0.125	5.0	3.2	1.9	100	8.5 - 10	3/4 x 18 x 3	62
SSAH 16 4G	16	4 x 16	0.188	8.9	6.2	4.3	150	8.5 - 10	3/4 x 30 x 3	86
SSAH 18 4C	18	4 x 18	0.125	3.4	1.8	0.7	100	8.5 - 10	3/4 x 18 x 3	67
SSAH 18 4G	18	4 x 18	0.188	6.8	4.5	2.9	100	8.5 - 10	3/4 x 30 x 3	93
SSAH 18 5G	18	5 x 18	0.188	12.6	8.8	6.1	150	9.312 - 10	3/4 x 30 x 3	108
SSAH 20 4G	20	4 x 20	0.188	5.0	3.0	1.6	150	8.5 - 10	3/4 x 30 x 3	100
SSAH 20 5G	20	5 x 20	0.188	9.9	6.6	4.2	175	9.312 - 10	3/4 x 30 x 3	117

POLE DATA

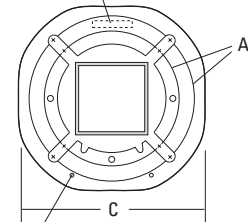
SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
4"C	8.5" - 10"	3.5"	11.688"	ABTEMPLATE PJ50055	AB18-0
4"G	8.5" - 10"	3.5"	11.688"	ABTEMPLATE PJ50055	AB30-0
5"	9.312" - 10"	3.5"	11.688"	ABTEMPLATE PJ50056	AB30-0

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.

Hinge base poles without handholes will be drilled for the first fixture 90 degrees to the right of the hinge. When a handhole is specified as an adder, the first fixture drilling will be 90 degrees to the right of the handhole. If the customer has different fixture drilling orientation requirements, please specify that on the purchase order.

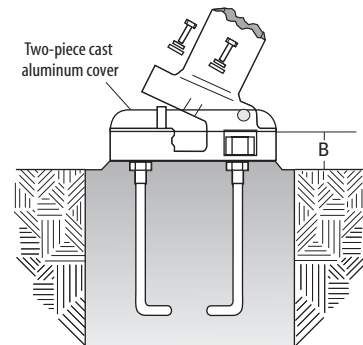


3/4" Solid aluminum pivot rod



Trapped 3/8" - 16 for ground connector

Hinge direction "A" side of pole



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see page 614.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Pole hinges at base.
- Consult factory if product must meet "Buy American" specifications.

PRODUCT INFORMATION

RTF

Round Tapered Fiberglass



Intended Use
Round tapered fiberglass general purpose pole for up to 45 foot mounting heights.

Construction
Shaft: Reinforced composite shaft incorporating "E" type fiberglass and pigmented, UV inhibiting, thermosetting polyester resin. Shaft is painted with a polyurethane top coat providing a mini-

mum 1.5 mil dry film thickness and smooth surface finish.

Anchor base: Heavy-duty metal base plate is permanently bonded to the outside of the fiberglass shaft.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are

galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Hand hole: Standard 2-1/2" x 5" hand hole opening with non-metallic oval shaped covers secured with vandal-resistant stainless steel 1/4" socket head screws.

Hardware: Fasteners are high-strength galvanized or zinc-plated or stainless steel.
Top cap: Removable top cap provided with drill-mount poles.

Base cover: Not included; Available as an optional accessory.

Finish: Must specify finish.

ADDITIONAL INFORMATION

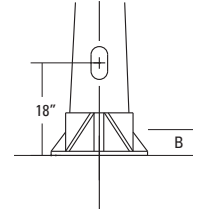
For ordering information see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION EPA (FT²) WITH 1.3 GUST

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (BASE IN. X TOP IN. X FT.)	80 MPH	90 MPH	100 MPH	MAX. WT. (LBS.)	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS.)
RTF 10 5-4X	10	5.4 x 4.1 x 10	19.0	14.6	11.4	150	8	5/8 x 21 x 3	23
RTF 12 5-6X	12	5.6 x 4.1 x 12	16.0	12.1	9.3	150	8.5	5/8 x 21 x 3	28
RTF 14 5-9X	14	5.9 x 4.1 x 14	14.0	10.4	7.9	150	8.5	5/8 x 21 x 3	32
RTF 16 6-1X	16	6.1 x 4.1 x 16	10.0	7.4	5.5	100	8.5	5/8 x 21 x 3	36
RTF 20 6-6X	20	6.6 x 4.1 x 20	8.2	5.8	4.1	100	9.5	5/8 x 21 x 3	45
RTF 20 7-3X	20	7.3 x 4.6 x 20	14.4	11.1	8.9	200	11.5	1 x 36 x 4	62
RTF 25 6-7X	25	6.7 x 4.1 x 25	5.4	3.4	2.0	100	9.5	5/8 x 21 x 3	55
RTF 25 7-3X	25	7.3 x 4.6 x 25	9.6	7.3	5.7	200	11.5	1 x 36 x 4	75
RTF 30 8-4X	30	8.4 x 4.7 x 30	11.2	8.5	6.7	100	11.5	1 x 36 x 4	106
RTF 30 8-5X	30	8.5 x 4.9 x 30	15.6	12.0	9.5	200	11.5	1 x 36 x 4	140
RTF 30 10-5X	30	10.5 x 6.6 x 30	28.7	22.4	17.4	300	14.5	1-1/4 x 42 x 6	202
RTF 35 8-4X	35	8.4 x 4.7 x 35	5.5	3.8	2.7	100	11.5	1 x 36 x 4	125
RTF 35 8-5X	35	8.5 x 4.9 x 35	8.5	6.2	4.7	200	11.5	1 x 36 x 4	161
RTF 35 11-2X	35	11.2 x 6.6 x 35	21.8	16.6	12.5	300	15	1-1/4 x 42 x 6	248
RTF 40 11-7X	40	11.7 x 6.2 x 40	6.4	4.3	2.4	300	15.5	1-1/4 x 42 x 6	165
RTF 40 11-8X	40	11.8 x 6.4 x 40	12.2	8.8	6.0	300	15.5	1-1/4 x 42 x 6	227
RTF 40 12X	40	12.0 x 6.9 x 40	25.8	19.3	14.3	300	15.5	1-1/4 x 42 x 6	317
RTF 45 11-7X	45	11.7 x 6.2 x 45	3.9	2.2	0.6	300	15.5	1-1/4 x 42 x 6	183
RTF 45 11-9X	45	11.9 x 6.6 x 45	15.2	10.9	7.6	300	15.5	1-1/4 x 42 x 6	295

For pole data, see page 607.

INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see pages 614-615.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Standard and decorative base shrouds available, consult factory.
- Mast arms available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

PRODUCT INFORMATION

RTFDB

Round Tapered Fiberglass, Direct Burial



Intended Use
Round tapered direct-burial (embedded) fiberglass general purpose pole for up to 35-foot mounting heights.

Construction
Shaft: Reinforced composite shaft incorporating "E" type fiberglass and pigmented, UV inhibiting, thermosetting

polyester resin. Shaft is painted with a polyurethane top coat providing a minimum 1.5 mil dry film thickness and smooth surface finish.

Hand hole: Standard 2-1/2" x 5" hand hole opening with non-metallic oval shaped covers secured with vandal-

resistant stainless steel 1/4" socket head screws.

Hardware: Fasteners are high-strength galvanized or zinc-plated or stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Finish: Must specify finish.

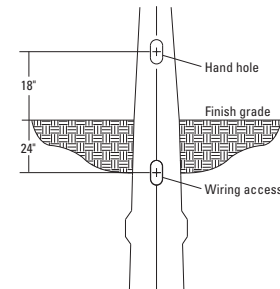
ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION EPA (FT²) WITH 1.3 GUST

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (BASE IN. X TOP IN. X FT.)	80 MPH	90 MPH	100 MPH	MAX. WT. (LBS.)	APPROX. SHIP WT. (LBS.)
RTFDB 18 6X	14	6.5 x 4.1 x 18	14.0	10.4	7.9	150	34
RTFDB 20 6-6X	16	6.7 x 4.1 x 20	10.0	7.4	5.5	100	38
RTFDB 24 6-7X	20	6.7 x 4.1 x 24	8.2	5.8	4.1	150	46
RTFDB 30 8-3X	25	8.2 x 4.5 x 30	6.2	4.7	3.6	100	71
RTFDB 30 8-4X	25	8.4 x 4.7 x 30	14.5	11.2	8.9	200	98
RTFDB 35 8-4X	30	8.4 x 4.7 x 35	10.5	8.0	6.2	200	116
RTFDB 35 8-5X	30	8.5 x 4.9 x 35	14.8	11.4	9.0	300	153
RTFDB 41 11-8X	35	11.8 x 6.4 x 41	14.3	10.8	7.8	300	218

INSTALLATION NOTES: Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see pages 614-615.
- Decorative base shrouds available, consult factory.
- Mast arms available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

SSF

Square Straight Fiberglass



Intended Use
Square straight fiberglass general purpose pole for up to 30-foot mounting heights.

Construction
Shaft: Reinforced composite shaft incorporating "E" type fiberglass and pigmented, UV-inhibiting, thermosetting polyester resin. Shaft is formed by the pultrusion process with fiberglass strands traversing the length of the pole.

Anchor base: Heavy-duty metal base plate is permanently bonded to the outside of the fiberglass shaft.

Anchor bolts: Fabricated from carbon steel bar with minimum-yield strength of 55,000 psi. Bolts have an "L" bend on lower end and are galvanized a minimum of 12 inches on the threaded end per ASTM A-153. Each anchor bolt is furnished with two hex nuts and two flat washers.

Hand hole: Standard 2-1/2" x 5" hand hole opening with non-metallic oval-shaped covers secured with vandal-resistant stainless steel 1/4" socket-head screws.

Hardware: Fasteners are high-strength galvanized or zinc-plated or stainless steel.

Top cap: Removable top cap provided with drill-mount poles.

Base cover: Includes full-base cover finished to match pole.

Finish: Must specify finish.

ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION- EPA (FT²) WITH 1.3 GUST

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (IN. X FT.)	80 MPH	90 MPH	100 MPH	MAX. WT. (LBS.)	BOLT CIRCLE (IN.)	BOLT SIZE (IN. X IN. X IN.)	APPROX. SHIP WT. (LBS.)
SSF 6 4X	6	4 x 6	20.0	20.0	20.0	150	8	5/8 x 21 x 3	18
SSF 8 4X	8	4 x 8	20.0	20.0	20.0	150	8	5/8 x 21 x 3	23
SSF 10 4X	10	4 x 10	20.0	20.0	16.1	150	8	5/8 x 21 x 3	27
SSF 12 4X	12	4 x 12	20.0	16.4	12.8	150	8	5/8 x 21 x 3	31
SSF 14 4X	14	4 x 14	14.2	10.7	8.2	150	8	5/8 x 21 x 3	35
SSF 16 4X	16	4 x 16	11.9	8.8	6.5	150	8	5/8 x 21 x 3	39
SSF 20 4X	20	4 x 20	8.3	5.8	4.0	150	8	5/8 x 21 x 3	47
SSF 20 5X	20	5 x 20	14.9	11.1	8.4	300	11	1 x 36 x 4	102
SSF 25 4X	25	4 x 25	5.0	3.0	1.5	150	8	5/8 x 21 x 3	57
SSF 25 5X	25	5 x 25	10.6	7.6	5.4	300	11	1 x 36 x 4	125
SSF 30 5X	30	5 x 30	5.7	3.4	1.7	300	11	1 x 36 x 4	148
SSF 30 5XHD	30	5 x 30	8.6	5.1	2.6	300	11	1 x 36 x 4	164

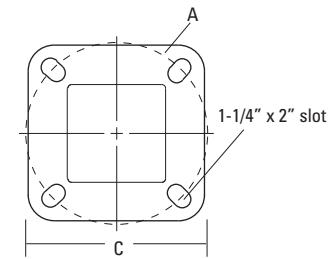
SSF POLE DATA

SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION	ANCHOR BOLT DESCRIPTION
4"	8"	3"	7.41"	ABTEMPLATE PJ50123	AB21-0
5"	11"	4"	11.125"	ABTEMPLATE PJ50124	AB36-0

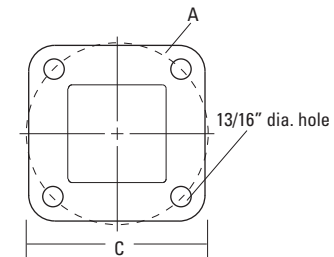
INSTALLATION NOTES: Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.

RTF POLE DATA

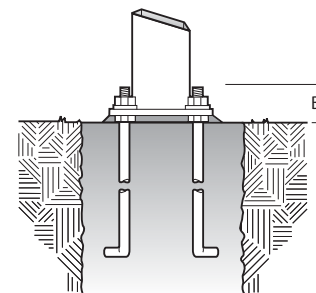
SHAFT BASE SIZE	BOLT CIRCLE A	BOLT PROJECTION B	BASE SQUARE C	TEMPLATE DESCRIPTION
5.4"	8"	3"	7.75"	PJ50108
5.6"	8.5"	3"	8.125"	PJ50109
5.9"	8.5"	3"	8.125"	PJ50110
6.1"	8.5"	3"	8.125"	PJ50111
6.6"	9.5"	3"	8.8"	PJ50112
6.7"	9.5"	3"	8.8"	PJ50113
7.3"	11.5"	4"	11"	PJ50114
8.4"	11.5"	4"	11"	PJ50115
8.5"	11.5"	4"	11"	PJ50116
10.5"	14.5"	4"	13.3"	PJ50117
11.2"	15"	4"	13.5"	PJ50118
11.7"	15.5"	4"	14"	PJ50119
11.8"	15.5"	4"	14"	PJ50120
11.9"	15.5"	4"	14"	PJ50121
12.0"	15.5"	4"	14"	PJ50122



SSF 5" Shaft



SSF 4" Shaft



Notes

- Mounting arrangement: (PT) open top or (Txx) tenon and/or (DMxx) side drilling.
- Options, see pages 612-613.
- Brackets, see pages 614-615.
- Bolt lengths are nominal; actual bolt lengths may vary.
- Fully galvanized anchor bolts available, consult factory.
- Direct-burial option available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

PRODUCT INFORMATION

STC

Square Tapered Concrete



Intended Use
Square tapered direct-bury (embedded) concrete pole for up to 40-foot mounting heights.

Construction
Shaft: Concrete mix has a minimum 28-day compressive strength of 8500 psi and conforms with ASTM-C150. Prestressing steel reinforcement is uncoated 7-wire, stress-relieved strand per ASTM-A416. Steel spiral reinforcement conforms to ASTM-A82 and is not less

than .120-inch (11-gauge) diameter with a maximum pitch of 6 inches. Poles have a continuous taper of 0.165 inches per foot.

Grounding: An 18" long, #4 stranded copper pigtail, connected to reinforced strand, is provided at pole top and at cable entrance below grade.

Hand hole: A 3" x 5" hand hole is located 24" above ground line and a 2-1/2" x 7" or larger conduit entrance is located 18" below ground line. Inserts for the hand

hole and conduit entrance are non-corrosive and weatherproof. Hand-hole frames and covers conform to ASTM-B240.

Hardware: Fasteners are high-strength galvanized, zinc-plated or stainless steel.

Finish: Natural concrete finish.

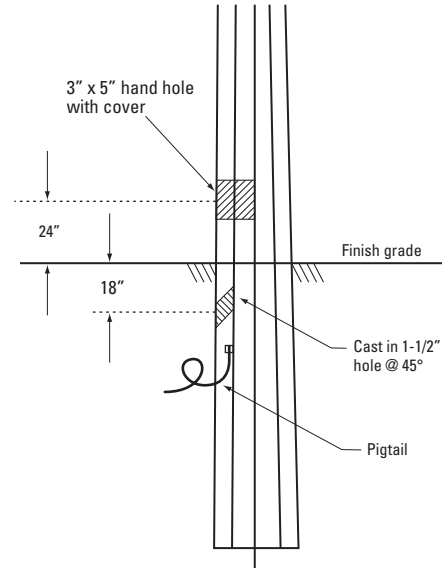
ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION - EPA (FT²) WITH 1.3 GUST

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (BASE IN. X TOP IN. X FT.)	80 MPH	90 MPH	100 MPH	APPROX. SHIP WT. (LBS.)
STC 20 7-24X	15	7.24 x 4.0 x 20	22	16	13	680
STC 20 9-24X	16	9.24 x 6.0 x 20	48	37	29	1,110
STC 24 6-40X	20	6.4 x 6.4 x 24	3.5	3.5	3.5	917
STC 25 8-05X	20	8.05 x 4.0 x 25	21	16	12	985
STC 25 10-05X	20	10.05 x 6.0 x 25	44	34	26	1,530
STC 30 8-86X	25	8.86 x 4.0 x 30	20	15	11	1350
STC 30 10-86X	25	10.86 x 6.0 x 30	49	33	28	2,000
STC 35 9-67X	29	9.67 x 4.0 x 35	17	12	8	1,800
STC 35 11-67X	29	11.67 x 6.0 x 35	43	32	24	2,540
STC 35 6-40X	30	6.4 x 6.4 x 35	3.5	N/A	N/A	1,337
STC 35 7-25X	30	7.25 x 7.25 x 35	3.5	3.5	N/A	1,685
STC 36 8X	30	8.0 x 8.0 x 36	3.5	3.5	3.5	2,145
STC 40 12-48X	34	12.48 x 6.0 x 40	42	30	22	3,130
STC 45 13-29X	38	13.29 x 6.0 x 45	41	31	22	3,795
STC 46 8X	40	8.0 x 8.0 x 46	3.5	N/A	N/A	2,740
STC 47 9-25X	40	9.25 x 9.25 x 47	3.5	3.5	N/A	3,813

INSTALLATION NOTES: Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Mounting arrangement: (Txx) tenon mount.
- When using drill mount fixtures, refer to options page for tenon mount slipfitters.
- Options, see pages 612-613.
- Brackets, see pages 614-615.
- Stained color finish available, consult factory.
- Additional EPA may be achieved based on individual application.
- Actual burial depth depends on soil conditions.
- Consult factory if product must meet "Buy American" specifications.

PRODUCT INFORMATION

Intended Use

Round tapered direct bury (embedded) concrete sports lighting pole for up to 100 foot mounting heights.

Construction

Shaft: Concrete mix has a minimum 28-day compressive strength of 11,000 PSI and conforms with ASTM-C150. Prestressing steel reinforcement is uncoated 7-wire, stress relieved strand per ASTM-A416. Steel spiral reinforcement conforms to ASTM-A82 and is not less

than .203 (5-gauge wire) diameter. Poles have a continuous taper of 0.216 inches per foot. Poles are centrifugally spun and round in cross-section with a hollow center.

Grounding: A continuous solid or stranded copper ground wire is cast into the pole. Wire terminates at top of pole to accept a 1/2" x24" lightning rod. Copper coupling, approximately 12" below grade, provides a 1/2 "

tapped insert at pole face for grounding hardware.

Hand hole: 4" x 8" hand hole is located 24" above ground line. 4" x 8" conduit entrance is located 18" below ground line. A 2-1/2" x 8" reinforced hand hole with flush cover is located at cage/crossarm locations. 1-1/2" coupling wire inlet/outlet is located opposite this hand hole. Inserts for hand hole and conduit entrance are non-corrosive and weatherproof.

Hand-hole frames and covers conform to ASTM-B240.

Hardware: Fasteners are high-strength galvanized or zinc-plated or stainless steel.

Finish: Natural concrete finish.

SPRTC

Round Tapered Concrete Sportlighting



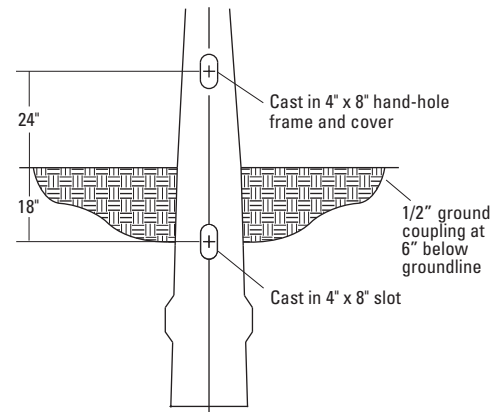
ADDITIONAL INFORMATION

For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION- EPA (FT²) WITH 1.3 GUST

CATALOG NUMBER	NOM. MOUNT. HT. (FT.)	POLE SHAFT SIZE (BASE IN. X TOP IN. X FT.)	80 MPH	MAX. WT.	90 MPH	MAX. WT.	100 MPH	MAX. WT.	APPROX. SHIP WT. (LBS.)
SPRTC C6 45 7-17	38	16.47 x 6.75 x 45	31	620	24	480	18	360	3,400
SPRTC C5 45 7-17	38	16.47 x 6.75 x 45	39	780	30	600	23	460	3,400
SPRTC C4 45 7-17	38	16.47 x 6.75 x 45	52	1,040	40	800	31	589	3,450
SPRTC C4 60 7-20	50	19.71 x 6.75 x 60	47	893	35	665	26	520	5,450
SPRTC C2 60 9-22	50	21.78 x 8.82 x 60	85	1,615	65	1,235	48	912	7,950
SPRTC H1 60 9-22	50	21.78 x 8.82 x 60	138	2,622	101	1,919	80	1,520	8,100
SPRTC C3 70 9-24	60	23.94 x 8.82 x 70	56	1,064	42	798	32	608	9,900
SPRTC C1 70 9-24	60	23.94 x 8.82 x 70	90	1,710	69	1,311	52	988	10,100
SPRTC H2 70 10-24	60	23.94 x 8.82 x 70	139	2,641	103	1,957	81	1,539	10,400
SPRTC C2 80 9-26	68	26.1 x 8.82 x 80	63	1,197	45	855	34	646	12,300
SPRTC C1 80 9-26	68	26.1 x 8.82 x 80	85	1,445	65	1,105	48	816	12,300
SPRTC H2 80 10-26	68	26.1 x 8.82 x 80	136	2,584	101	1,919	79	1,501	12,800
SPRTC C2 90 9-28	77	28.26 x 8.82 x 90	54	1,026	39	741	28	532	14,850
SPRTC C1 90 9-28	77	28.26 x 8.82 x 90	78	1,482	56	1,064	42	798	14,950
SPRTC H2 90 10-28	77	28.26 x 8.82 x 90	132	2,508	97	1,843	75	1,425	15,350
SPRTC C1 105 9-32	91	31.5 x 8.82 x 105	70	1,330	49	931	35	665	19,250
SPRTC H1 105 9-32	91	31.5 x 8.82 x 105	99	1,881	74	1,406	54	1,026	19,450
SPRTC H3 105 11-34	91	33.68 x 11.0 x 105	144	2,736	105	1,995	80	1,520	22,050
SPRTC C1 115 9-34	100	33.66 x 8.82 x 115	65	1,235	45	855	31	589	22,350
SPRTC H1 115 9-34	100	33.66 x 8.82 x 115	96	1,824	70	1,330	50	950	22,550
SPRTC H2 115 10-34	100	33.66 x 8.82 x 115	125	2,375	91	1,729	69	1,311	22,800

INSTALLATION NOTES: Do not erect poles without having fixtures installed. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.



Notes

- Crossarms, see page 610.
- Options, see pages 612-613.
- Brackets, see pages 614-615.
- Platform cages with pole steps available, consult factory.
- Stained color finish available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

PRODUCT INFORMATION

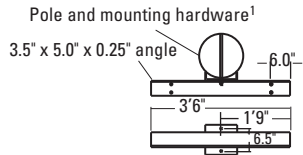
ANGLE IRON CROSSARMS

Concrete or Wood Sportslighting Poles

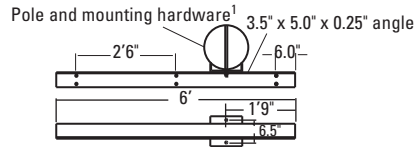
Intended Use
For use on round, tapered concrete or wood sportslighting poles. Projected area is for the crossarm only. The crossarm

projected area is added to the luminaire projected area to get a total effective projected area (EPA).

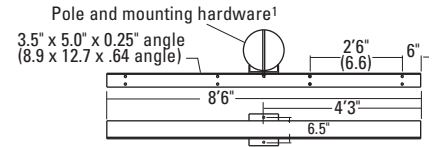
ORDERING INFORMATION



ACRCW2, 2-Fixture Angle Arm

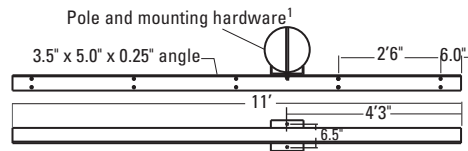


ACRCW3, 3-Fixture Angle Arm

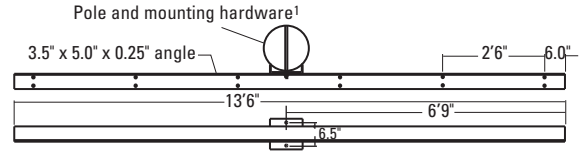


ACRCW4, 4-Fixture Angle Arm

CATALOG NUMBER	ARM EPA (SQ. FT.)	WEIGHT (LBS.)
ACRCW2	1.80	50.0
ACRCW3	3.00	86.0
ACRCW4	4.50	121.0
ACRCW5	5.70	157.0
ACRCW6	7.00	193.0



ACRCW5, 5-Fixture Angle Arm



ACRCW6, 6-Fixture Angle Arm

Notes

1 Angle iron crossarms can be used with other poles if ordered with the pole.

PRODUCT INFORMATION

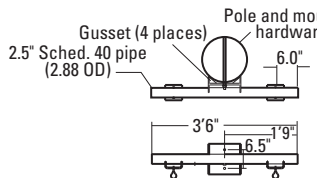
PRE-WIRED TUBULAR CROSSARMS

Concrete or Wood Sportslighting Poles

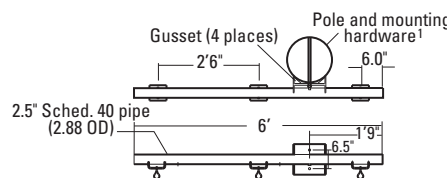
Intended Use
For use on round, tapered concrete or wood sportslighting poles. Projected area is for the crossarm only. The crossarm projected area is added to the luminaire projected

area to get a total effective projected area (EPA). **Use in conjunction with CV3P luminaire options.**

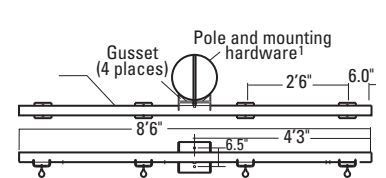
ORDERING INFORMATION



SPXCW2, 2-Fixture Angle Arm

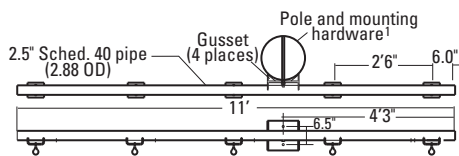


SPXCW3, 3-Fixture Angle Arm

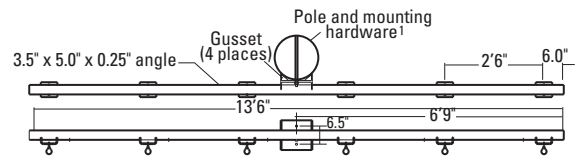


SPXCW4, 4-Fixture Angle Arm

CATALOG NUMBER	ARM EPA (SQ. FT.)	WEIGHT (LBS.)
SPXCW2	1.00	23.5
SPXCW3	1.80	40.0
SPXCW4	2.50	56.5
SPXCW5	3.20	73.0
SPXCW6	3.90	89.5



SPXCW5, 5-Fixture Angle Arm



SPXCW6, 6-Fixture Angle Arm

Notes

1 Pre-wired tubular crossarms can be used with other poles if ordered with the pole.

PRODUCT INFORMATION

Intended Use

Square straight laminated wood pole for up to 35 foot mounting heights. Especially suited for residential, recreational and resort developments, parks, playgrounds and paths to provide functional lighting by night and attractive landscaping by day.

Construction

Shaft: L1 laminate grade West Coast Douglas Fir for strength and appearance. Construction grade on all exposed wide faces per WCLIB Grading Rules.

Lamination utilizes adhesives meeting or exceeding the exterior durability performance requirements of most recent revision of U.S. Commercial Standard ANSI/AITC A190.1-1983. A raceway access hole for underground wiring is centered 2'6" below ground line and rises 30° to vertical. If required, above ground junction boxes of various types can be used. Available shaft widths are 4, 5, 6 and 7 inches.

Surface finish, appearance and tolerance: Laminations are kiln dried to average

moisture content of 14.5% +/- 2.5% before surfacing. Open defects such as knot holes exceeding 1/2" in diameter or wane exceeding 1/4" x 12" are filled with woodfiller. Sides are surfaced four faces with edges eased to 3/8" radius. Tolerances are from +0 to -1/8" for width and thickness and +/- 1/4" in length.

Preservative treatment: Standards are treated with 6% pentachlorophenol borne in light hydrocarbon solvent in conformance with AWPA Standards to a minimum net

retention of 0.60 pounds per cubic foot of penta. All Standards are incised on all four sides to 3/4" in depth from butt to 12" above indicated ground mark.

Wrapping: Lighting standards are individually wrapped using 2-ply laminated paper lumber wrap with waterproof ply on outside to protect poles.

Top cap: Metal top cap is provided unless fixture is tenon mounted.

SSWDB

Square Straight Wood, Direct Burial



ADDITIONAL INFORMATION

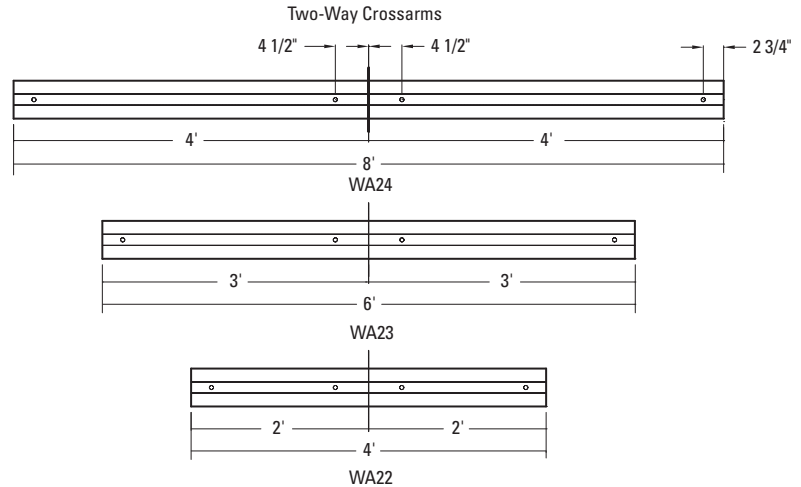
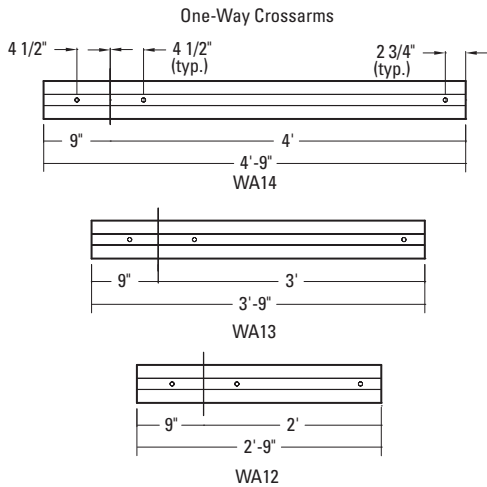
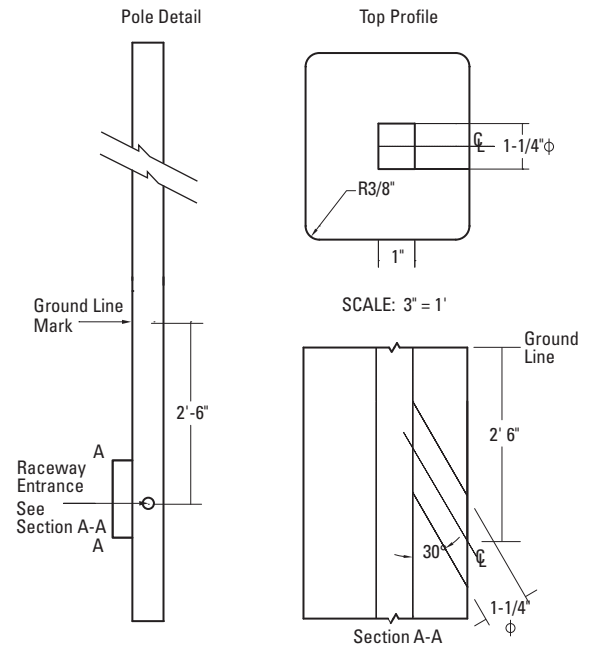
For ordering information, see page 588. For additional product information, visit www.lithonia.com.

TECHNICAL INFORMATION- EPA (FT²) WITH 1.3 GUST

CATALOG NUMBER	NOM. MOUNT HT. (FT.)	POLE SHAFT SIZE (IN. X IN. X FT.)	80 MPH	MAX. WT.	90 MPH	MAX. WT.	100 MPH	MAX. WT.	APPROX. SHIP WT. (LBS.)
SSWDB 10 4X	10	4.5 x 5.125 x 13.5	16.42	150	11.62	150	9.22	150	80
SSWDB 12 4X	12	4.5 x 5.125 x 15.5	12.62	150	6.72	150	6.62	150	85
SSWDB 15 4X	15	4.5 x 5.125 x 19	8.52	150	5.32	150	3.72	150	110
SSWDB 15 5X	15	5.125 x 6 x 19.5	19.42	150	13.9	150	10.22	150	130
SSWDB 20 4X	20	4.5 x 5.125 x 24.5	3.92	150	-	-	-	-	140
SSWDB 20 5X	20	5.125 x 6 x 25	11.62	150	7.02	150	4.72	150	200
SSWDB 20 6X	20	6 x 6.75 x 30	21.42	150	14.22	150	10.62	150	260
SSWDB 25 5X	25	5.125 x 6 x 30	6.32	150	2.62	150	-	-	250
SSWDB 25 6X	25	6 x 6.75 x 30	13.82	150	8.02	150	5.12	150	300
SSWDB 30 6X	30	6 x 6.75 x 36	8.02	150	3.22	150	-	-	400
SSWDB 35 7X	35	6.75 x 7.5 x 41.5	8.02	150	2.32	150	-	-	730

CATALOG NUMBER	DESCRIPTION	EPA (FT ²)	WEIGHT (LBS.)
WA12	2' single-fixture arm	0.86	33
WA13	3' single-fixture arm	1.29	37
WA14	4' single-fixture arm	1.72	42
WA22	2' two-fixture arm	1.51	42
WA23	3' two-fixture arm	2.37	50
WA24	4' two-fixture arm	3.23	59

INSTALLATION NOTES: Do not erect poles without having fixtures installed. Metal cap must be installed unless fixture is top mounted. Poles are directly embedded in firm soil. Under heavy load, or in poor soil conditions, concrete embedment may be required. For parking lot installations, poles can be fitted with bumper protection devices or a concrete collar. Embedment depth determined by local codes and soil conditions; designed by others.

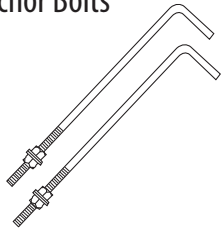


Notes

- Mounting arrangement: (Txx) tenon, (DMxx) side drilled or crossarm.
- Standard and custom stained finishes available, consult factory.
- Standard and custom colors for hardware available, consult factory.
- Natural untreated cedar poles available, consult factory.
- Hexagonal, curved top and reveal poles available, consult factory.
- Anchor base option available, consult factory.
- Consult factory if product must meet "Buy American" specifications.

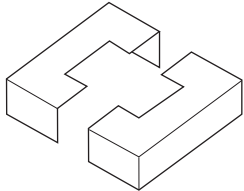
PRODUCT INFORMATION

Anchor Bolts



Available in various sizes for use with Lithonia lighting poles. Set includes hex nuts and washers. Anchor bolt is partially galvanized for exposed threads per ASTM-A153. Bolts have minimum-yield strength rating of 55,000 psi, AASHTO M314 GR55. See individual pole catalog pages for anchor bolt sizes and description.

Base Covers



Two-piece, full-base cover. Four fasteners provided to secure pieces together. Finished to match pole. Shipped separately. Standard with steel poles only.

CATALOG NUMBER	POLE	SQUARE X DEPTH
SBC4	SSS 4"	8.75" x 5.0"
SBC5	SSS 5"	11.50" x 6.0"
SBC6	SSS 6"	12.75" x 5.6"

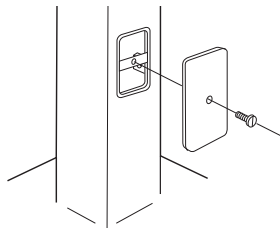
For full-base cover on other poles, must order FBC. When ordering separately, specify full pole nomenclature; i.e., FBC for RTA 25 7E. Also specify if pole is existing.

Festoon Outlets

Provision provided for mounting duplex outlet. When ordering, specify location in height and feet above base of pole and orientation from the hand hole.

CATALOG NUMBER	DESCRIPTION
FDL	Festoon duplex outlet, less electric

Hand-Hole Cover Plates



SSS HHC: Order as hand-hole cover for full pole description. Also specify if pole is existing.

Tenon Dimensions

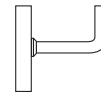
TENON MOUNTING SLIPFITTERS ORDER SEPARATELY							
		NUMBER OF FIXTURES					
		ONE	TWO @180°	TWO @90°	TWO @120°	THREE @90°	FOUR @90°
TENON OD	2-3/8"	T20-190	T20-280	T20-290	T20-320	T20-390	T20-490
	2-7/8"	T25-190	T25-280	T25-290	T25-320	T25-390	T25-490
	4"	T35-190	T35-280	T35-290	T35-320	T35-390	T35-490
AERIS™	2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
	2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
	4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Couplings & Nipples

Threaded couplings and/or nipples must be factory installed. When ordering, specify location in height and feet above base of pole and orientation from the hand hole.

CATALOG NUMBER	DESCRIPTION	CATALOG NUMBER	DESCRIPTION
CPL12	1/2" threaded coupling	NPL12	1/2" threaded nipple
CPL34	3/4" threaded coupling	NPL34	3/4" threaded nipple
CPL1	1" threaded coupling	NPL1	1" threaded nipple

Horizontal Arm Bracket



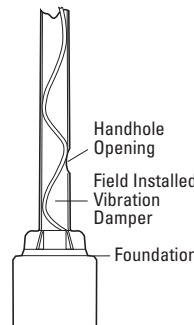
Single or twin side-mounted horizontal arm brackets for additional luminaires. Made from 2-3/8" pipe. Upright is 18" from pole; special arm lengths may be available upon request. Arms are rated for luminaires up to 4.5 sq. ft. EPA and 100 lbs. per arm. When ordering, specify location in height and feet above base of pole and orientation from the hand hole.

CATALOG NUMBER	MATERIAL	EPA (FT²)	WEIGHT (LBS)
H1-18A	Aluminum	.43	7
H1-18S	Steel	.50	11
H1-18F	Fiberglass	.45	8
H1-18C	Concrete	.55	9

Notes

SSS and SSA arm attachment is slightly different from RTA. Arm modifications located on pole to accept arms. Arms shipped as separate item.

VD-Vibration Damper

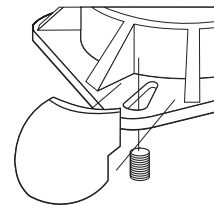


It has been found that low steady winds sometimes induce second mode vibration in lighting poles. Second mode vibration is characterized by the maximum periodic motion occurring at approximately the mid-height of the pole. This type of vibration can result in failure of the pole and/or luminaire. There is no method of predicting destructive light pole vibration.

Notes

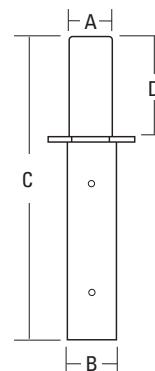
- 1 FVD – Field installable vibration damper available upon request. Consult factory.
- 2 For more information on the effects of vibrations, visit www.lithonia.com.

Nut Covers



Four nut covers are standard for RSA, RTAU, RTS, RTSU and RTA poles only.

Bolt-On Tenon



CATALOG NUMBER	A	B	C	S	WEIGHT (LBS)
SBT-4S	2-3/8"	3"	13-3/4"	5"	7
SBT-5S	2-3/8"	4"	13-3/4"	5"	8
SBT-6S	2-3/8"	5"	13-3/4"	5"	17

Notes

If ordering for existing pole, must order as MAEX and include original order number.

Tamperproof Screws

Order as TP. Tamperproof screws provided with hand-hole covers.

PRODUCT INFORMATION

Some pole options require designating the orientation from the hand hole and height from the pole base must be specified when ordering the pole. The orientation from the hand hole is designated by the pole sides A, B, C or D. The height on the pole shaft is designated by the distance from the pole base.

POLE ORIENTATION

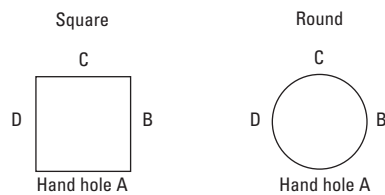
Example: HA12B

ORDERING INFORMATION

Series/Height/Orientation

Series	Height	Orientation
HA Horizontal arm	Height from base in ft.	A Side of the pole with the hand hole
FDL Festoon outlet- less electrical	Determined by application.	B Side of the pole 90° counterclockwise from the hand hole (right)
CPL12 1/2" coupling		C Side of the pole 180° counterclockwise from the hand hole (opposite)
CPL34 3/4" coupling		D Side of the pole 270° counterclockwise (or 90° clockwise) from the hand hole (left)
CPL1 1" coupling		
NPL12 1/2" threaded nipple		
NPL34 3/4" threaded nipple		
NPL1 1" threaded nipple		
EHH Extra hand hole		
PT Open top		
T20 2-3/8" tenon		
T25 2-7/8" tenon		
T30 3-1/2" tenon		
T35 4" tenon		
MAEX Match existing		

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

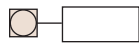
Examples:

- SSS 25 5G with one arm-mount fixture and two floodlights on horizontal arm brackets. Floodlights are to be 180° from each other, 90° from the shoebox and 12 feet above the base.
- RTA 30 8G with two arm-mount fixtures at 180°, one floodlight on a horizontal arm bracket and a 1/2" coupling. Floodlight is to be opposite hand hole and 6 feet from top of pole. Coupling should be 10 feet from top, same side as floodlight.
- SSS 20 4C with a 2-3/8" tenon and festoon outlet 90° left of the hand hole, 5 feet above the base.

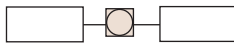
Order as: SSS 25 5G DM19 HA12A HA12C

Order as: RTA 30 8G DM28 HA24C 12CP20C

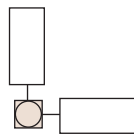
Order as: SSS 20 4CT20 FDL5D

Drill Mounting Options¹

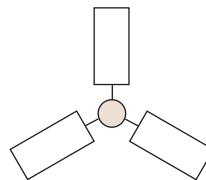
DM19
DM19AS
DM19AST1
DM19AST2
DM19KADT



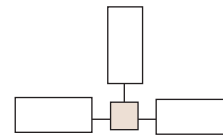
DM28
DM28AS
DM28AST1
DM28AST2
DM28KADT



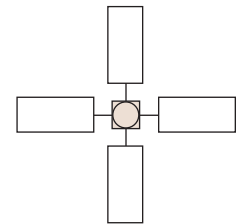
DM29³
DM29AS³
DM29AST1³
DM29AST2³
DM29KADT³



DM32²
DM32AS²
DM32AST1²
DM32AST2²
DM32KADT²



DMA39³
DM39AS³
DM39AST1³
DM39AST2³
DM39KADT³



DM49³
DM49AS³
DM49AST1³
DM49AST2³
DM49KADT³

Notes

- AS denotes Aeries™ luminaire, AST1/AST2 denotes Aeries suspend size 1 or 2 and KADT denotes KAD suspend.
- Available with round pole only.
- Reference fixture page for minimum arm length required when mounting 2 or more fixtures at 90°.

PRODUCT INFORMATION

ALUMINUM BRACKETS

Round Poles Only

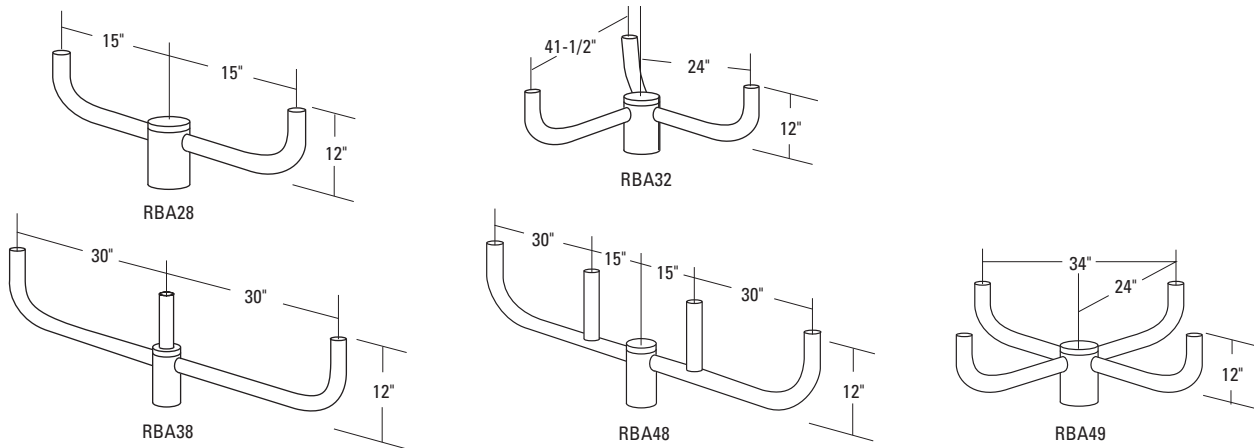
Projected area is for bracket only. Bracket projected area is added to luminaire projected area to get total effective projected area (EPA).

All brackets have a maximum luminaire rating per tenon as specified in the data table.
Finish: Natural aluminum.

Optional painted finishes available. Plastic cap supplied.
Brackets mount to T25 tenon 2-7/8" OD, or pole top that is 2-7/8" OD.

ORDERING INFORMATION

CATALOG NUMER	BRACKET EPA (FT ²)	BRACKET WEIGHT (LBS)	MAX FIXTURE WEIGHT/ARM (LBS)	MAX FIXTURE EPA/ARM @ 80 MPH	MAX FIXTURE EPA/ARM @ 90 MPH	MAX FIXTURE EPA/ARM @ 100 MPH
RBA28	1.3	8.4	100	6.0	6.0	5.3
RBA32	1.7	14.3	100	6.0	6.0	4.8
RBA38	2.0	11.9	100	6.0	5.2	4.1
RBA48	2.8	16.2	75	3.5	2.6	2.0
RBA49	2.2	17.5	100	6.0	6.0	4.8



PRODUCT INFORMATION

ALUMINUM BRACKETS

Square Poles Only

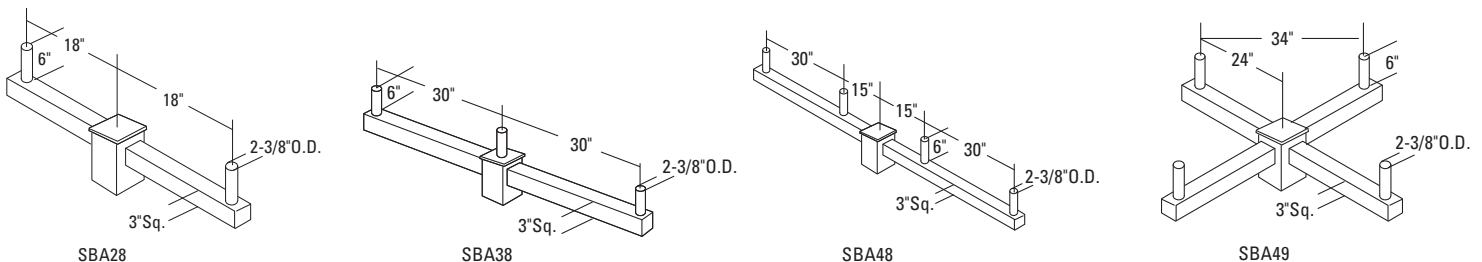
Projected area is for bracket only. Bracket projected area is added to luminaire projected area to get total effective projected area (EPA).

All brackets have a maximum luminaire rating per tenon as specified in the data table.
Finish: Natural aluminum.
Optional painted finishes available.

Plastic cap supplied. Brackets flush mount on 4", 5" and 6" square poles. For use with internal sleeve, plain open-top poles, Lithonia Lighting poles only. **Must be ordered with pole to ensure proper fit.**

ORDERING INFORMATION

CATALOG NUMER	BRACKET EPA (FT ²)	BRACKET WEIGHT (LBS)	MAX FIXTURE WEIGHT/ARM (LBS)	MAX FIXTURE EPA/ARM @ 80 MPH	MAX FIXTURE EPA/ARM @ 90 MPH	MAX FIXTURE EPA/ARM @ 100 MPH
SBA28-4	0.9	12.0	100	6.0	6.0	6.0
SBA28-5	0.9	12.0	100	6.0	6.0	6.0
SBA28-6	0.9	12.0	100	6.0	6.0	6.0
SBA38-4	1.5	17.0	100	6.0	6.0	6.0
SBA38-5	1.5	17.0	100	6.0	6.0	6.0
SBA38-6	1.5	17.0	100	6.0	6.0	6.0
SBA48-4	2.3	22.0	75	4.0	4.0	4.0
SBA48-5	2.3	22.0	75	4.0	4.0	4.0
SBA48-6	2.3	22.0	75	4.0	4.0	4.0
SBA49-4	1.7	22.0	100	6.0	6.0	6.0
SBA49-5	1.7	22.0	100	6.0	6.0	6.0
SBA49-6	1.7	22.0	100	6.0	6.0	6.0



Projected area is for bracket only. Bracket projected area is added to luminaire projected area to get total effective projected area (EPA). All brackets have a maximum luminaire rating per tenon as specified in the data table.

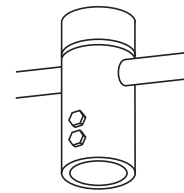
Finish: Dark bronze, standard. Other colors available (consult factory). Plastic cap supplied. Requires T20 Tenon OD 2-3/8" - I.D. 2".

STEEL BRACKETS

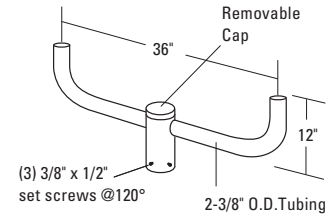
Round Poles Only

ORDERING INFORMATION

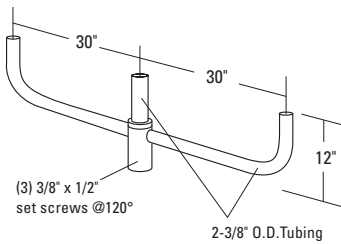
CATALOG NUMBER	BRACKET EPA (FT ²)	BRACKET WEIGHT (LBS)	MAX FIXTURE WEIGHT / ARM (LBS)	MAX FIXTURE EPA / ARM @ 80 MPH	MAX FIXTURE EPA / ARM @ 90 MPH	MAX FIXTURE EPA / ARM @ 100 MPH
BS28	1.0	21.0	150	11.0	8.5	7.3
BS32	1.3	34.0	150	7.2	5.5	4.7
BS38	1.6	32.0	150	7.1	5.5	4.7
BS48	2.3	44.0	125	5.4	4.1	3.4
BS49	1.6	44.0	150	5.3	4.1	3.5



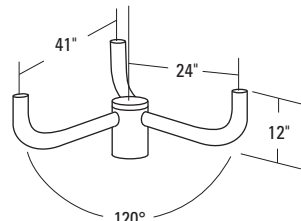
Standard Hub



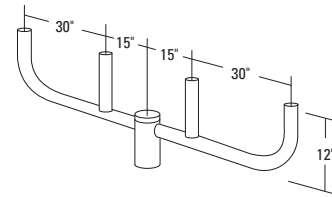
BS28



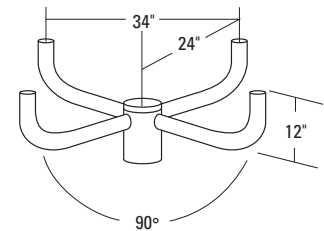
BS38



BS32



BS48



BS49

PRODUCT INFORMATION

Projected area is for bracket only. Bracket projected area is added to luminaire projected area to get total effective projected area (EPA). All brackets have a maximum luminaire rating per tenon as specified in the data table.

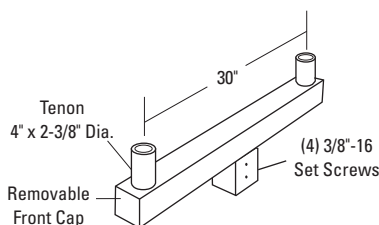
Finish: Dark bronze, standard. Requires T20 (2-3/8" max OD) tenon on pole for mounting.

STEEL BRACKETS

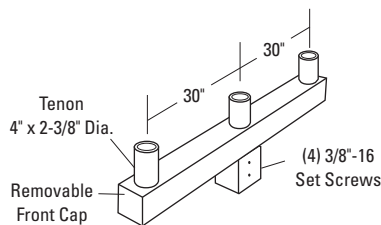
Square Poles Only

ORDERING INFORMATION

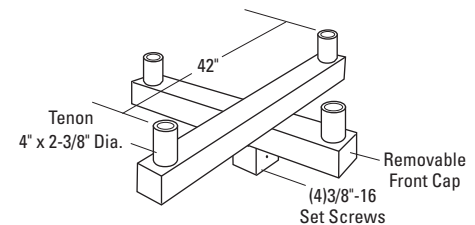
CATALOG NUMBER	BRACKET EPA (FT ²)	BRACKET WEIGHT (LBS)	MAX FIXTURE WEIGHT / ARM (LBS)	MAX FIXTURE EPA / ARM @ 80 MPH	MAX FIXTURE EPA / ARM @ 90 MPH	MAX FIXTURE EPA / ARM @ 100 MPH
SBS28	1.1	30.0	250	13.0	10.2	8.2
SBS38	1.7	42.0	150	8.5	6.6	5.5
SBS49	2.1	45.0	150	6.3	5.0	4.0



SBS28



SBS38



SBS49



TERSEN

Terson architectural outdoor lighting is about purposeful design. We create outdoor lighting systems that embody modern yet eclectic looks. Our products emphasize bold statements grounded in clean lines. Our designs flow together seamlessly in a coordinated and relevant manner. Our aim is toward proportional elements that are tied together with elegant simplicity. The result is a fresh set of solutions for both existing and new outdoor lighting applications.



We begin all product designs with our eye on both geometric and golden ratio proportion. We carefully combine various elemental shapes to create new product designs that are individually unique, while maintaining an immediate relevance to basic architectural design principles. Our designs incorporate a variety of materials that are uniquely suited to provide the desired visual statement.

Systems: At Tersen, we believe it is paramount to integrate design with delivery of the entire lighting system. Our team simultaneously designs lighting fixtures, poles and arms to create flowing visual compositions that blend together in one harmonious statement. Unlike many of our peers, we design and manufacture a complete line of poles, arms and accessories to complement our fixtures.

Collections: Our portfolio is filled with products that are designed to complement one another in both form and function. We strongly encourage the “reuse” of proven components and assemblies among different product families to demonstrate the interrelatedness among them. For instance, our VEO™ and RESONANCE™ products share a common lower assembly that exudes a visual familiarity between two strikingly different products.

Selections: Tersen luminaires are available in a variety of options, color accents and finishes. Optical packages deliver superior performance; select from multiple distribution choices with lamp choices ranging from compact fluorescent, high pressure sodium to metal halide and several LED packages.

Visit TersenLighting.com for additional specification and application information.

tersen™ STYLES

LIGHT IN RELATION TO ARCHITECTURE



RATIO™

The RATIO offers a contemporary-styled, fully cast housing that supports 48 LED diodes which produce illumination equivalent to a traditional 175W metal halide lamp. Its stylistic “finned” design serves both as a heat sink and as an architectural statement. The fixture and pole are sold as a combined unit as the driver (power module) is conveniently mounted at the base of the tilt-down pole for easy installation and maintenance. Available in both symmetric and asymmetric distributions, RATIO is IP65 rated and has the Nighttime Friendly™ designation.



VEO™

The VEO combines a hint of retro design with a modern overtone on a fully cast lower assembly. The unique design of the upper canopy provides the option of filtered light between the triangular elements to serve as an architectural accent featuring four color options. Available in 50W to 150W MH with high-performance optics, the VEO is IP65 rated, EISA compliant and has the Nighttime Friendly designation.



FACADE™

The FACADE neatly accents architectural building design with light framed in basic geometric shapes. It is available in diamond, round and square styles with 10 standard face plates and six accent colors; custom laser-cut faceplates also available. Choose from 50W up to 100W MH, 2/32T. FACADE is IP65 rated, wet location listed and EISA compliant.



PHI™

The classic form of the PHI combines a diffused acrylic sphere with a fully cast supporting frame. Designed to illuminate pedestrian-scale environments that require a neo-classical theme, PHI is available in two sizes and lamp wattages of 50W to 150W MH. PHI is IP65 rated and EISA compliant.



RESONANCE™

Blending traditional Venetian styling with contemporary accents, the RESONANCE has transformed an iconic design theme into modern lighting. The stately day-form appearance boasts clean lines and is constructed from a fully cast lower assembly and is available in multiple powder paint color options. Available from 50W up to 150W MH with high-performance optics, RESONANCE is IP65 rated, EISA compliant and has the Nighttime Friendly designation.

HIGHLAND PARK™

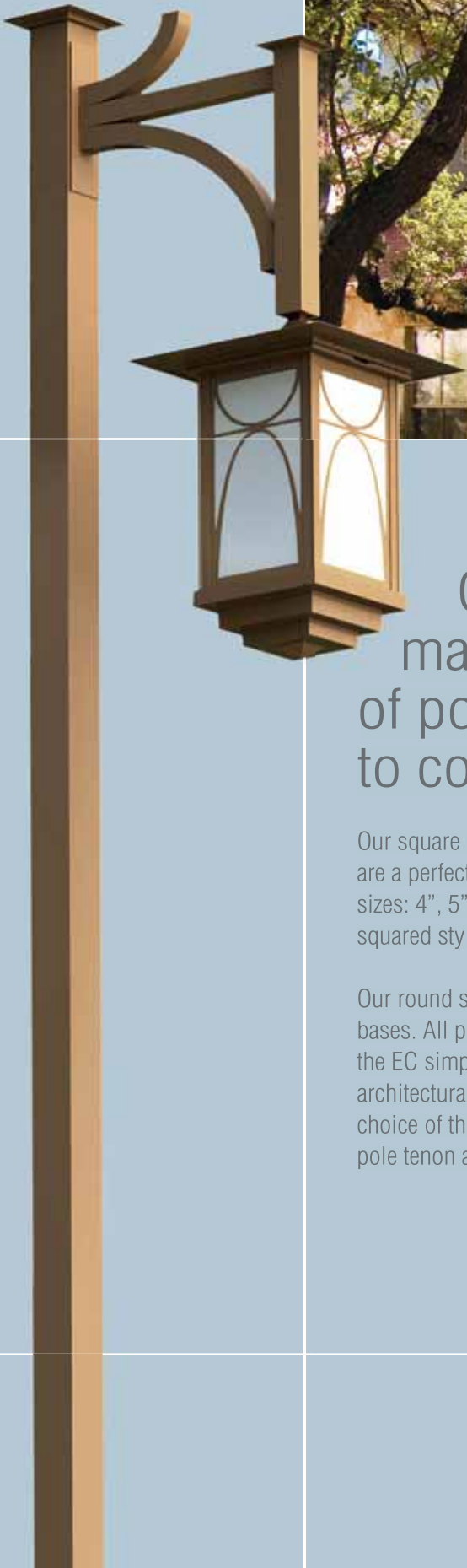
The HIGHLAND PARK Series offers a selection of four Mission-era styles to choose from inspired by the architecture of Frank Lloyd Wright. The clean rectangular lines and overlapping roof are complemented with a selection of four standard face panels. Styles are available with energy-efficient lamping and full cutoff reflectors. The Series is IP65 rated, EISA compliant and has the Nighttime Friendly designation.



The Series features four styles:

- The Bungalow style offers clean rectangular roof detail that complements both commercial and residential suburban architecture.
- The Queen Anne style combines a steeply pitched roof with an intersecting gable to complement buildings with expansive porches, eyebrow windows and multiple gables.
- The Monument style presents a more formal design theme, characterized by its strict rectilinear lines and tailored roof. The disciplined architecture complements government buildings and houses of worship.
- The Beaux Arts style reflects a strong structural medium that complements flat or low roofs and long, clerestory-styled windows.





Our team designs and manufactures a complete line of poles, arms and accessories to complement our fixtures.

Our square poles are aluminum with extruded shafts and permanent mold cast bases. The poles are a perfect complement to the Highland Park™ luminaires. They are available in four shaft sizes: 4", 5", 4"- 6" stepped and 5"- 7" stepped. Our aluminum arm is designed to complete the squared styling and can be used on a pole or wall with pendant-mount luminaires.

Our round straight poles have shafts in 4" or 5" diameter with the decorative or plain case bases. All poles are aluminum with a choice of steel for extra strength (available only with the EC simple-based style). The poles are designed with a variety of bases to complete the architectural styling of the circular luminaires. When mounting multiple luminaires, there is a choice of three contemporary arms. The arms are aluminum and fit onto the appropriate-sized pole tenon and are provided with 3" tenons for luminaire mounting.



ANTIQUE STREET LAMPS

Antique Street Lamps offers a wide variety of attractive historical and contemporary outdoor lighting systems with superior optics for nighttime clarity. Products include luminaires, arms, posts, wall brackets, bollards and signage. Typical applications are downtown and urban environments, street lighting, historic districts/renovations, park areas, universities, high-end developments, hotels and resorts. We also specialize in custom projects from replicating historical designs to creating special designs made to fit an individual project's needs.

ANTIQUE Street Lamps™



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PRODUCT INFORMATION

OSLO LUMINAIRES & LIGHTED BOLLARD



Intended Use
Oslo luminaires and lighted bollards are designed for applications where cut-off performance and contemporary architectural style are desired. Typical applications include street lighting, downtowns, parks, public areas and mall interiors.

Please refer to our website at www.antiquestreetlamps.com for specifications.

Construction
Material: The luminaires are cast, die-cast and spun

aluminum. The bollard is cast and extruded aluminum. Flat lens is manufactured of clear impact-resistant tempered glass.

Finish: The luminaires are finished with a premium polyester powder coating. Standard colors are black or dark bronze.

Optics
Anodized segmented reflectors are designed for superior uniformity and control. Reflectors are available in four distributions.

Electrical
Luminaires are provided with quick-disconnect H.I.D. ballast assemblies. Porcelain sockets are provided with the reflector assembly.

Installation
Luminaires are designed to slip-fit a 3" O.D. x 3" tall tenon and are secured with eight set screws. The bollard is supplied with four 3/4" diameter, L-type anchor bolts. Two doors are provided in the base for anchorage and wiring access. Luminaires

and bollard roof are hinged and gasketed for lamp and reflector access.

Listings
UL Listed to U.S. and Canadian safety standards. Luminaires are labeled as suitable for wet locations.



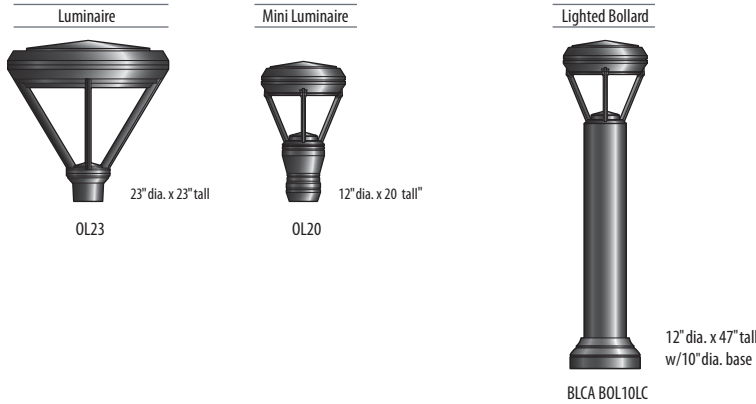
ORDERING INFORMATION

Example: OL23 100M MED GCF SR2 TB1 ANBK

Series	Lamp type ¹	Lens	Distribution ⁴	Voltage ⁵	Options	Finish			
OL23	Large luminaire Metal halide 50M MED 50W 70M MED 70W 100M MED 100W	High pressure sodium 50S MED 50W 70S MED 70W 100S MED 100W 150S MED 150W ²	Metal halide for T6 lamps ³ 39T6 G12 175W 70T6 G12 250W LED light ³ LED1	GCF Glass, clear flat	Large luminaire SR2 Type II SR3 Type III SR4C Type IV SR5S Type V	Mini luminaire and lighted bollard R2 Type II R3 Type III R4 Type IV R5 Type V	TB1 120V TB2 208V ⁶ TB3 240V TB4 277V 120 120V ⁷ 277 277V ⁸ 347 347V	HS House side shield ⁹ SF Single fusing DF Double fusing	ANBK Black ANDB Dark bronze DNA Natural aluminum ANWH White CM Custom match CS Custom select RAL colors

ADDITIONAL INFORMATION For additional product information, visit www.antiquestreetlamps.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions (if provided) are shown in inches unless otherwise noted.



Notes

- Lamp not supplied with luminaires or bollard, except for LED.
- 150W only available for large luminaire.
- Available for mini luminaire and bollard only.
- LED only available with symmetric distribution. No specification required.
- Multi-tap ballast (120, 208, 240, 277V), (120, 277, 347V in Canada).
- Consult factory for availability in Canada.
- 120 is available voltage for LED and 39T6 only.
- 277 is available voltage for 39T6 only.
- Available for SR2, SR3 and R4 luminaire distributions only.

OSLO

Post, Arm and Wall Bracket

Intended Use

The posts and arms provide a contemporary style to compliment the Oslo luminaires. Typical applications include street lighting, downtowns, parks, public areas and mall interiors.

Please refer to our website at www.antiquestreetlamps.com for specifications.

Construction

Materials: The arm and wall bracket are cast aluminum one-piece construction. Posts are cast aluminum and

aluminum pipe, one-piece construction. Hardware and fasteners are stainless steel material. Standard exterior hardware is of a tamper-resistant design.

Finish: The posts are finished with a premium polyester powder coating. Standard colors are black or dark bronze.

Installation

The arm mounts on a 3" O.D. x 4" tall tenon and is secured with set screws. The wall bracket mounting plate has four .56" diameter holes for

mounting to the wall. It is furnished with four 3/8-16 acorn nuts and washers. Wall studs are furnished by others. Both arm and wall bracket have 3" O.D. x 3" tall tenons. The post is provided with four, 3/4" diameter, L-type anchor bolts. Four doors are provided in the base for anchorage access. One door is provided at center for wiring access. At the top of the post is a 3" O.D. x 3" or 4" tall tenon for luminaire or arm mounting.

ORDERING INFORMATION

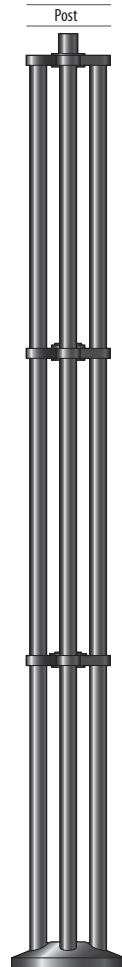
Example: PX OL17 16 3T4 ANBK

Series	Height	Mounting method	Finish
PX OL17 Post	<u>For post only</u>	<u>For post only</u>	ANBK Black
OLC42 Arm	8	3T3 3" tenon x 3" tall	ANDB Dark bronze
OLCWB Wall bracket	10	3T4 3" tenon x 3" tall	DNA Natural aluminum
	12		ANWH White
	14		CM Custom match
	16		CS Custom select RAL colors

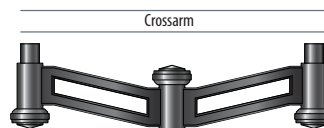
ADDITIONAL INFORMATION

For additional product information, visit www.antiquestreetlamps.com.

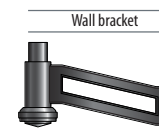
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions (if provided) are shown in inches unless otherwise noted.



PX OL17



OLC42



OLCWB

PRODUCT INFORMATION

CONTEMPORARY LUMINAIRES



Intended Use
Luminaires are designed for applications where cut-off performance and contemporary architectural style are desired. Typical applications include street lighting, downtowns, parks, public areas and mall interiors. Shown here is a sampling of luminaires available. Please refer to our website at www.antiquestreetlamps.com for more selections and for specifications.

Construction
Materials: Ballast housings and skirts are constructed of cast aluminum. ES22 skirt is spun aluminum. Flat and sag lens options are manufactured of clear impact-resistant tempered glass. EC13RT has a globe of clear acrylic or polycarbonate.

Finish: The luminaires are finished with a premium polyester powder coating. Standard colors are black, dark bronze or dark green.

Optics
Anodized segmented reflectors are designed for superior uniformity and control. Reflectors are available in five distributions.

Electrical
Luminaires are provided with quick-disconnect H.I.D. ballast assemblies. Porcelain sockets are provided with the reflector assembly.

Installation
Luminaires are designed to mount to swivel adapters

provided with the contemporary arms. See luminaire specifications for appropriate arm sizes.

Listings
UL Listed to U.S. and Canadian safety standards. Luminaires are labeled as suitable for wet locations.



ORDERING INFORMATION

Example: EH16RT 100M MED GCF SR2 TB1 ANBK

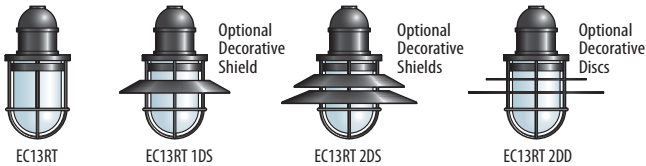
Series	Lamp type ¹				Lens	Distribution	Voltage ⁴	Options	Finish
EC13RT	Metal halide (EC13, ES22, EH16, EM17 only)	High pressure sodium (EC13, ES22, EH16, EM17 only)	250M MOG	250W	All luminaires	SR2 Type II	TB1 120V	All luminaires	ANBK Black
ES22ST			400M MOG	400W ²	GCF Glass, clear flat	SR3 Type III	TB2 208V ⁵	HS House side shield ⁶	ANDB Dark bronze
EH16RT	50M MED 50W	50S MED 50W			GCSG Glass, clear sag	SR4SC Type IV	TB3 240V	SF Single fusing	ANDG Dark green
EM17RT	70M MED 70W	70S MED 70W			EC13RT only	SR4W Type IV ³	TB4 277V	DF Double fusing	ANPP Prime painted
EH22RT	100M MED 100W	100S MED 100W			ACS Acrylic, clear smooth	SR5S Type V	347 347V	2DS Two decorative shields	CM Custom match
EM25RT	150M MED 150W	150S MED 150W			PCS Polycarbonate, clear smooth			2DD Two decorative discs	CS Custom select RAL colors
		Metal halide (EM25, EH22 only)						EC13RT, H16 & H22 only	
		175M MOG 175W						1DS Decorative shield	

ADDITIONAL INFORMATION

For additional product information, visit www.antiquestreetlamps.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions (if provided) are shown in inches unless otherwise noted.

Copenhagen Series



Stockholm Series



Munich Series



Hanover Series



Notes

- Lamp not supplied with luminaires.
- Reflectors designed for ED28 lamp or E18 lamp.
- SR4W is only available with EM25 and EH22
- Multi-tap ballast (120, 208, 240, 277V), (120, 277, 347V in Canada).
- Consult factory for availability in Canada.
- Available for SR2, SR3 and SR4W only.

BRISTOL LUMINAIRES



Example: BTSM 100M MED GCF SR2 TB1 SF ANBK

Intended Use

Luminaires are designed for applications where cut-off performance and contemporary architectural style are desired. Typical applications include street lighting, downtowns, parks, public areas and mall interiors.

Please refer to our website at www.antiquestreetlamps.com for specifications.

Construction

Materials: Luminaires are cast aluminum with a spun aluminum roof. Flat lens

is manufactured of clear impact-resistant tempered glass. Bracket arms and wall brackets are cast aluminum.

Finish: The luminaires are finished with a premium polyester powder coating. Standard colors are black, dark bronze or dark green.

Optics

Anodized segmented reflectors are designed for superior uniformity and control. Reflectors are available in four distributions.

Electrical

Luminaires are provided with quick-disconnect H.I.D. ballast assemblies. Porcelain sockets are provided with the reflector assembly.

Installation

Post-top luminaires slip-fit a 3" O.D. x 3.5" tall tenon. Side-mount luminaire bracket arms are designed to slip fit a 3.375" O.D. x 8" tall tenon for 4" diameter post and a 4.375" O.D. x 8" tall tenon for 5" diameter post. Luminaires are secured with six set screws.

Listings

UL Listed to U.S. and Canadian standards. Luminaires are labeled as suitable for wet locations.

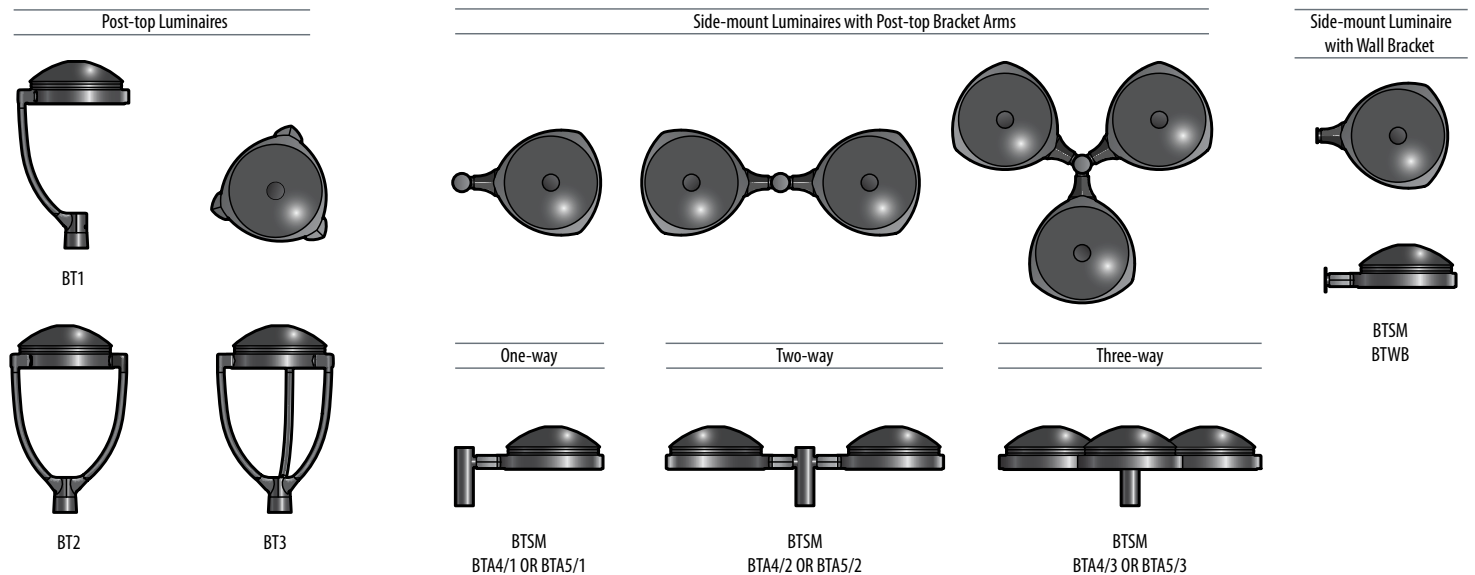
ORDERING INFORMATION

Series	Lamp type ¹	Lens	Distribution	Voltage ²	Options	Finish
Luminaires	Luminaires only	Luminaires only	Luminaires only	Luminaires only	Luminaires only	Luminaires only
BT1 Post-top luminaire	High pressure sodium	GCF Glass, clear flat	Luminaires only	Luminaires only	HS House side shield ⁴	ANBK Black
BT2 Post-top luminaire	50M MED 50W		SR2 Type II	TB1 120V	SF Single fusing	ANDB Dark bronze
BT3 Post-top luminaire	70M MED 70W		SR3 Type III	TB2 208V ³	DF Double fusing	ANDG Dark green
BTSM Side-mount luminaire	100M MED 100W		SR4SC Type IV	TB3 240V		ANPP Prime match
Bracket arms	150M MED 150W		SR5S Type V	TB4 277V		CM Custom match
BTA4/1 One-way 4" arm				347 347V		CS Custom select RAL colors
BTA4/2 Two-way 4" arms				480 480V		
BTA5/1 One-way 5" arm						
BTA5/2 Two-way 5" arms						
BTA5/3 Three-way 5" arms						
BTWB Wall bracket arm						

ADDITIONAL INFORMATION

For additional product information, visit www.antiquestreetlamps.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions (if provided) are shown in inches (centimeters) unless otherwise noted.



Notes

- Lamps not supplied with luminaires.
- Multi-tap ballast (120, 208, 240, 277V), (120, 277, 347V in Canada).
- Consult factory for availability in Canada.
- Available for SR2 and SR3 only.

CONTEMPORARY ARMS & WALL BRACKETS



Intended Use
The contemporary arms are designed for aesthetically integrating single or multiple luminaires with posts. A matching family of wall brackets provides the ability to integrate building-mounted luminaires with post-mounted site lighting. Typical applications include street lighting, downtowns, parks, public areas and mall interiors.

Shown here is a sampling of arms available. Please

refer to our website at www.antiquestreetlamps.com for more selections and for specifications.

Construction
Materials: Arms and wall brackets are one-piece construction of cast aluminum and extruded or formed aluminum. Hardware and fasteners are stainless steel material. Standard exterior hardware is of a tamper-resistant design.

Finish: The arms and wall brackets are finished with a

premium polyester powder coating. Standard colors are black, dark bronze or dark green.

Arms and wall brackets are available in two sizes. The 4" diameter arms are for the small contemporary luminaires and 4" diameter posts. The 5" diameter arms are for the large contemporary luminaires and 5" diameter posts.

Installation
The arms are designed to slip-fit a 3.375" dia. post-top

tenon (4" arms) or 4.375" dia. post-top tenon (5" arms) and are secured with eight socket set screws. The center finial and arm finial are removable to allow for wiring access. Wall brackets are provided with four or six 1/2" diameter holes for mounting to the wall. Wall bracket mounting hardware is not provided. Arms and wall brackets are provided with swivel adapters for luminaire mounting. Optional twist-lock photo control is installed at center spool top instead of the finial.

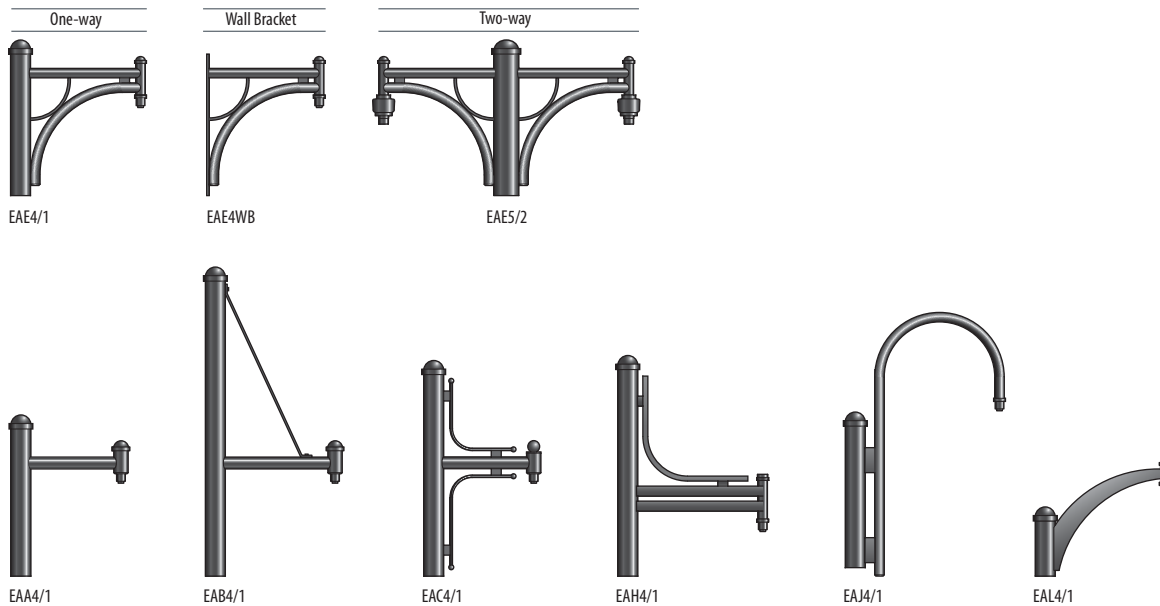
ORDERING INFORMATION

Example: EAE5/1 PER PE1 ANBK

Series/Size		Options	Finish
Series	Size	<u>Arms only</u>	
EAA	4/1 One-way 4" arm	PER NEMA twist-lock receptacle only	ANBK Black
EAB	5/1 One-way 5" arm	PE1 NEMA twist-lock photocontrol, 120V, 208V, 240V	ANDB Dark bronze
EAC	4/2 Two-way 4" arms	PE3 NEMA twist-lock photocontrol, 347V	ANDG Dark green
EAE	5/2 Two-way 5" arms	PE4 NEMA twist-lock photocontrol, 480V	ANPP Prime painted
EAH	4WB Small wall bracket	PE7 NEMA twist-lock photocontrol, 277V	CM Custom match
EAJ	5WB Large wall bracket		CS Custom select RAL colors
EAL			

ADDITIONAL INFORMATION For additional product information, visit www.antiquestreetlamps.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions (if provided) are shown in inches unless otherwise noted.



All arm styles are available in both 4" and 5" sizes and as one-ways, two-ways and wall brackets.

PRODUCT INFORMATION

Intended Use

Eurotique® poles provide a contemporary style appearance that is perfectly suited for use with contemporary luminaires and arms. Posts are available in 10-foot to 30-foot heights. Typical applications include street lighting, downtowns, parks, public areas and mall interiors.

Please refer to our website at www.antiquestreetlamps.com for specifications.

Construction

Posts are available in either aluminum or steel, and are one-piece construction with

integral anchor/base plate and two-piece base cover or one-piece cast aluminum base with interior anchor bolts. Aluminum posts are available as round straight, 4" and 5" or as round stepped, 4"/6.63" and 5"/7". Steel posts are available as round straight, 4" and 5" or as round stepped, 5"/7".

Materials: Aluminum poles are manufactured of extruded aluminum, with cast aluminum anchor plate or base, base cover and handhole cover or access door. Steel posts are manu-

factured of steel tubing with steel anchor plates and cast aluminum base cover and handhole cover. Hardware and fasteners are stainless steel material. Standard exterior hardware is of a tamper-resistant design.

Finish: The posts are finished with a premium polyester powder coating. Standard colors are black, dark bronze or dark green.

Installation

The 4", 5" and 4"/6.63" posts are supplied with four 3/4" diameter, L-type anchor bolts. The 5"/7" aluminum

posts are supplied with four 1" diameter, L-type anchor bolts. The 5"/7" steel posts are supplied with four 1-1/4" diameter, L-type anchor bolts. A hand-hole with cover is provided in the lower shaft for wiring access for EPAX and EPSX series posts. PXP18 is provided with access door. Integral tenons are provided as required for mounting arms and luminaires.

CONTEMPORARY POLES



Example: EPSX 18 S4 3-3/8T11 ANBK

ORDERING INFORMATION

Series	Height ^{1,2}	Shaft	Mounting method	Finish
EPAX Aluminum contemporary	10 24	S4 Smooth 4"	4 posts	ANBK Black
EPSX Steel contemporary	12 26	S4S6 Smooth 4"/6.63"	3-3/8T11 Standard tenon	ANDB Dark bronze
PX PD18 Aluminum decorative (Philadelphia series)	14 28	S5 Smooth 5"	3-3/8T8 Tenon for arm EAL4	ANDG Dark green
	16 30	SSS7 Smooth 5"/7"	5 posts	ANPP Prime painted
	18		4-3/8T11 Standard tenon	CM Custom match
	20		4-3/8T8 Tenon for arm EAL5	CS Custom select RAL colors
	22		All posts	
			0T0 No tenon	
			3T3 3" x 3" tenon	

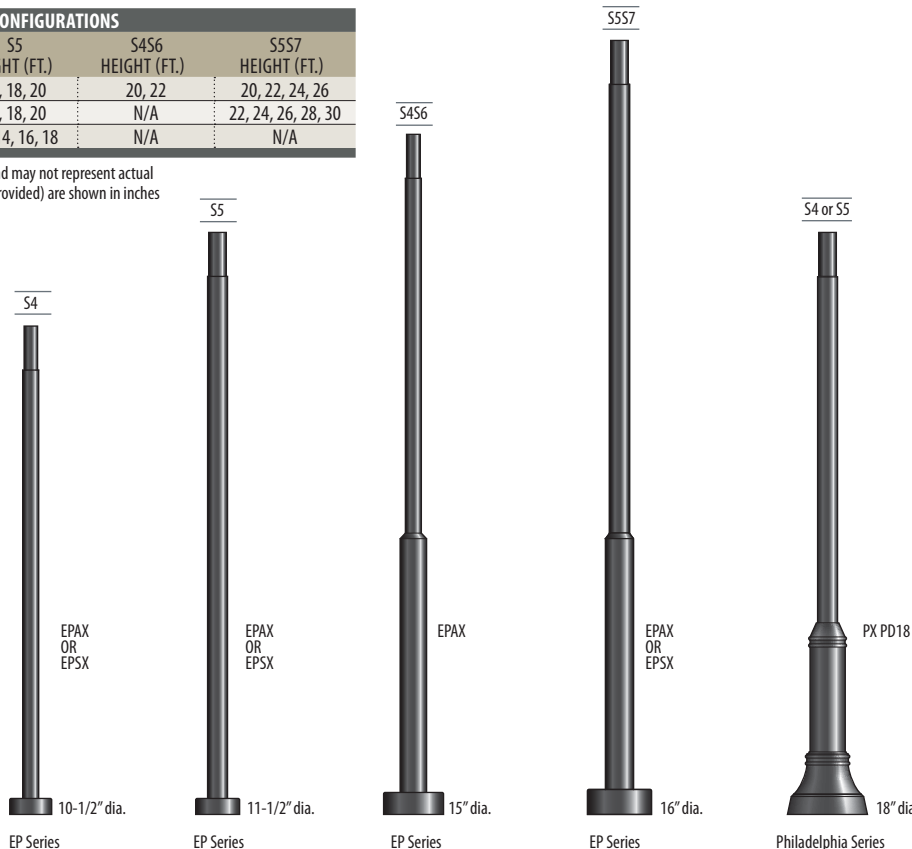
ADDITIONAL INFORMATION

For additional product information, visit www.antiquestreetlamps.com.

CONFIGURATIONS

SERIES	S4 HEIGHT (FT.)	S5 HEIGHT (FT.)	S4S6 HEIGHT (FT.)	SSS7 HEIGHT (FT.)
EPAX	10, 12, 14, 16, 18	16, 18, 20	20, 22	20, 22, 24, 26
EPSX	16, 18, 20	16, 18, 20	N/A	22, 24, 26, 28, 30
PX PD18	10, 12, 14	12, 14, 16, 18	N/A	N/A

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions (if provided) are shown in inches unless otherwise noted.



Notes

- 1 Specify height and shaft; see configurations table.
- 2 Note height limitations for shaft type. Heights above 22' not available for mounting twin luminaires. Factory is available to help with loading calculations.

PRODUCT INFORMATION

RAPID-SHIP LUMINAIRES



Intended Use
Antique Street Lamps rapid-ship luminaires provide a historical style appearance that is perfectly suited for use with Antique Street Lamps posts. Typical applications include street lighting, downtowns, parks, public areas and mall interiors.

Shipping: The rapid-ship program provides product shipment within 10 days of receipt of order. Please refer to our website at

www.antiquestreetlamps.com for more information. The specific details about program terms and conditions, order quantities and product availability are shown on our website and are updated regularly.

Construction
Materials: All luminaire bases and frames are cast aluminum. Round domes are spun aluminum. AJ19 globe is refractive glass. All other globes are formed from clear

acrylic or polycarbonate and are either smooth, textured or refractive. Hardware and fasteners are stainless steel material. Standard exterior hardware is of a tamper-resistant design.

Finish: The luminaires are finished with a premium polyester powder coating. Standard colors are black, dark bronze or dark green.

Electrical
Luminaires are provided with

quick-disconnect H.I.D. ballast and socket assemblies.

Installation
Installation: All luminaires are designed to slip-fit a 3" O.D. x 3" tall tenon and attach with set screws.

Listings
UL Listed to U.S. and Canadian safety standards. Luminaires are labeled as suitable for wet locations.



Example: A25 AU 100M MED ACT GR5 TB1 PER PE1 ANBK RSP

ORDERING INFORMATION

Series		Bases ¹		Lamp type		Lens			
S16	A25	LT30	A	Metal halide	High pressure sodium	All luminaires except those named below		RGA, RGR and RGR2 only	KW35 only
S18	P36	LTS30	AU	70M MED 70W	100S MED 100W ³	ACT	Acrylic, clear textured	ARF	Acrylic refractive
S20	RGA	TR25	D	100M MED 100W	150S MED 150W ³	S16, S18 and S20 only		DS4 and DS7 only	
AJ19	RGR	TR30	E	150M MED 150W	100S MOG 100W	AWS	Acrylic white smooth	(blank) Acrylic refractive	
AT20	RGR2	KW35	W	250M MED 250W ³	150S MOG 150W	P36 only			
AT23	DS4					PCT		Polycarbonate clear textured	
A21	DS7								

Distribution	Voltage ⁴	Options	Finish	Rapid-ship program
All luminaires except those named below	TB1 120V	FPF	ANBK Black	RSP
(blank) Symmetrical distribution	TB2 208V ⁵	FSF	ANDB Dark bronze	
GR5 Glass refractor type V	TB3 240V	PER	ANDG Dark green	
GR3 Glass refractor type III	TB4 277V	PE1		
RGA, RGR, RGR2 and AJ19	347 347V	PE3		
R5 Refractive globe type V		PE4		
R3 Refractive globe type III		PE7		
		ARV MD11 BL21	Cage for RGA, RGR or RGR2 only	

ADDITIONAL INFORMATION

For additional product information, visit www.antiquestreetlamps.com.

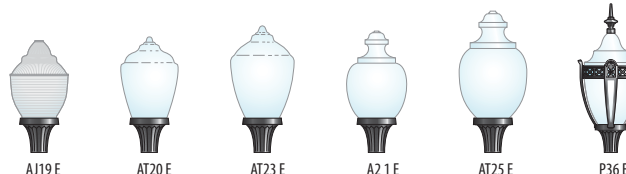
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions (if provided) are shown in inches (centimeters) unless otherwise noted.

Luminaires with E Series Base

Sphere Globes



Acorn Globes

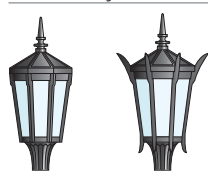


Refractive Globes

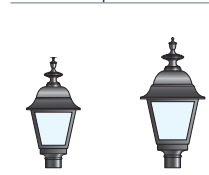


(Shown with optional ARV MD11 BL21 cage and finial)

Octagonal

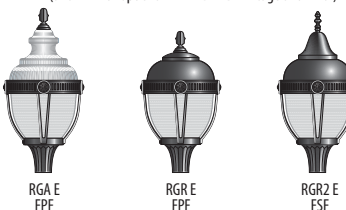


Square



Luminaire Base Styles

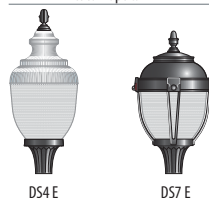
All luminaires except TR25, TR30 and KW35GRS are shown with the E Series base. Replace the E base with A, AU, D or W base for more luminaire choices. Base AU is available with optional twist-lock photocontrol.



Hexagonal



Cutoff Optics



Notes

- 1 Bases not available with TR25, TR30 or KW35.
- 2 250M only available with S20, AJ19, AT23, A25, P36, RGA, RGR and RGR2 in conjunction with bases A, W or AU. Lamp not supplied with luminaires.
- 3 Available only with AT20, A21, DS4, DS7, TR25.
- 4 Multi-tap ballast (120, 208, 240, 277V), (120, 277, 347V in Canada).
- 5 Consult factory for availability in Canada.
- 6 Optional photocontrols only available with the AU luminaire base.

PRODUCT INFORMATION

Intended Use

Antique Street Lamps rapid-ship posts provide a historical style appearance that is perfectly suited for use with Antique Street Lamps luminaires. Posts are available in 10-foot to 16-foot heights. Typical applications include street lighting, downtowns, parks, public areas and mall interiors.

Shipping: The rapid-ship program provides product shipment within 10 days of

receipt of order. Please refer to our website at www.antiquestreetlamps.com for more information. The specific details about program terms and conditions, order quantities and product availability are shown on our website and are updated regularly.

Construction

All posts are fabricated as one-piece construction. The shafts are telescoped into the bases and double-welded for maximum structural

integrity. An integral 3" O.D. x 3" tall tenon is provided for luminaire mounting.

Materials: The post bases are cast aluminum or cast iron. Aluminum posts have 4" or 5" diameter fluted or 4" diameter smooth extruded aluminum, or cast tapered fluted shafts. Cast iron posts have cast tapered fluted shafts. Hardware and fasteners are stainless steel material. Standard exterior hardware is of a tamper-resistant design.

Finish: The posts are finished with a premium polyester powder coating. Standard colors are black, dark bronze or dark green.

Installation

Posts are provided with four, hot-dip galvanized, 3/4" L-type anchor bolts. A door is provided in the base for anchorage and wiring access. A grounding screw is provided inside the base, accessible from the door.

RAPID-SHIP POSTS



Example: PX CH16 14 F5 3T3 ANBK RSP

ORDERING INFORMATION

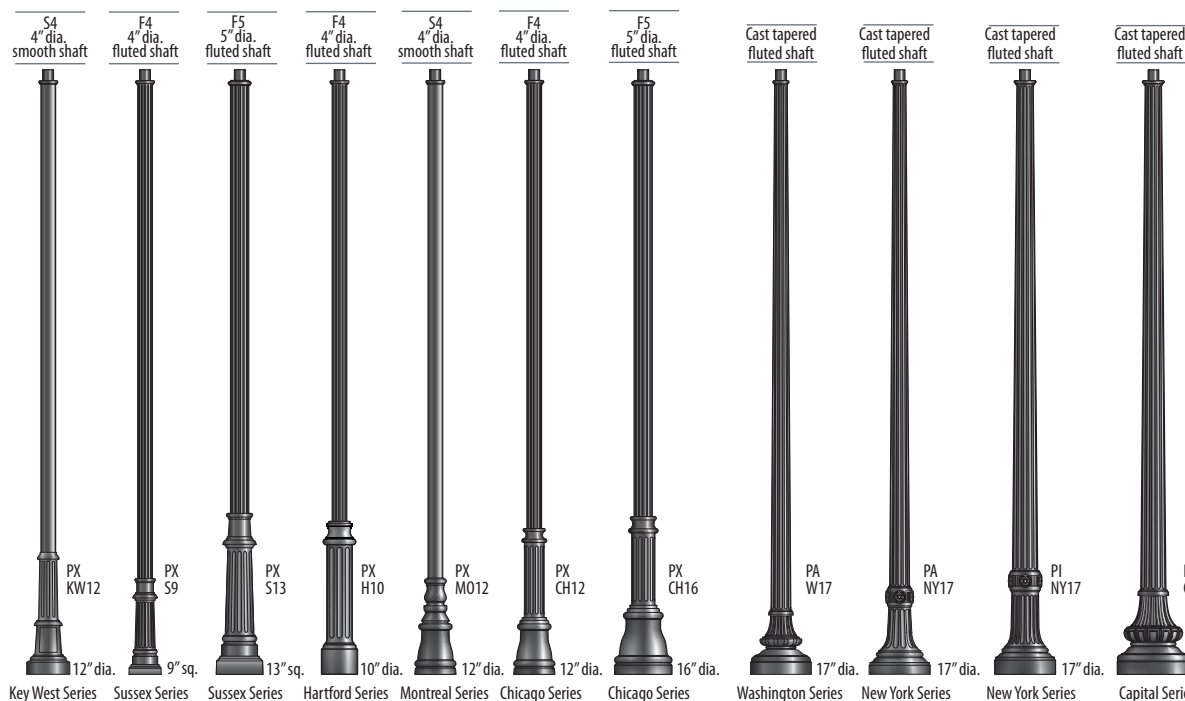
Series	Size ¹	Height ¹	Shaft	Mounting method	Finish	Rapid-ship program
PX Cast aluminum post with extruded shafts	KW12 ²	NY17	8	PX only	3T3 3" O.D. x 3" tall tenon (standard)	ANBK Black RSP
PA Cast aluminum post	S9 ²	M012 ²	9	F4 Fluted 4" ³		ANDB Dark bronze
PI Cast iron post	S13	CH12	10	S4 Smooth 4" ³		ANDG Dark green
	H10	CH16	11	F5 Fluted 5"		
	W17	C20	12	PA and PI only		
			13	(blank) Tapered fluted		
			14			
			16 ³			

ADDITIONAL INFORMATION

For additional product information, visit www.antiquestreetlamps.com.

CONFIGURATIONS		
SERIES	SIZE	HEIGHT (FT.)
PX	KW12, S9, S13, H10, W17, NY17, M012, CH12, CH16	10, 12, 14, 16
PA	W17	8, 10, 12
PA	NY17	9, 11, 13
PI	NY17	10, 13
PI	C20	10, 12

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions (if provided) are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Specify size and height, see Configurations table.
- 2 KW12, S9 and M012 series posts only available with F4 or S4 shaft.
- 3 F4 and S4 shafts are not available in 16' height.

PRODUCT INFORMATION

RAPID-SHIP WALL BRACKETS

Intended Use
Antique Street Lamps rapid-ship wall brackets provide a historical style appearance that is perfectly suited to match Antique Street Lamps light posts. Typical applications include street lighting, downtowns, parks, public areas and mall interiors.

Shipping: The rapid-ship program provides product shipment within 10 days of receipt of order. Please refer to our website at www.antiquestreetlamps.com for specific details about program terms and conditions, order quantities and product availability.

Construction
Wall brackets are fabricated as one-piece construction.

Materials: Wall brackets are cast aluminum with an aluminum mounting plate. Hardware and fasteners are stainless steel material. Standard exterior hardware is of a tamper-resistant design.

Finish: The wall brackets are finished with a premium polyester powder coating. Standard colors are black, dark bronze or dark green.

Installation
Wall brackets have four 9/16" diameter holes for mounting to the wall. Hardware furnished by others.

ORDERING INFORMATION

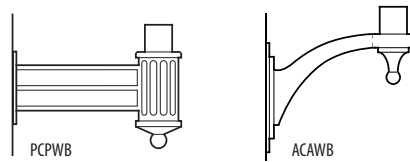
Example: PCPWB ANBK RSP

Series	Finish	Rapid-ship program
PCPWB	ANBK Black	RSP
ACAWB	ANDB Dark bronze ANDG Dark green	

ADDITIONAL INFORMATION

For additional product information, visit www.antiquestreetlamps.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions (if provided) are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

RAPID-SHIP BOLLARDS

Intended Use
Antique Street Lamps rapid-ship bollards provide a historical style appearance that is perfectly suited to match Antique Street Lamps light posts. Typical applications include street lighting, downtowns, parks, public areas and mall interiors.

Shipping: The rapid-ship program provides product shipment within 10 days of receipt of order. Please refer to our website at www.antiquestreetlamps.com for specific details about program terms and conditions, order quantities and product availability.

Construction
All bollards are fabricated as one-piece construction.

Materials: Bollards have shafts of 5" diameter fluted extruded aluminum with cast aluminum bases and tops. Hardware and fasteners are stainless steel material. Standard exterior hardware is of a tamper-resistant design.

Finish: Bollards are finished with a premium polyester powder coating. Standard colors are black, dark bronze or dark green.

Installation
Bollards are provided with four, hot-dip galvanized, 3/4" L-type anchor bolts. A door is provided in the base for anchorage access.

ORDERING INFORMATION

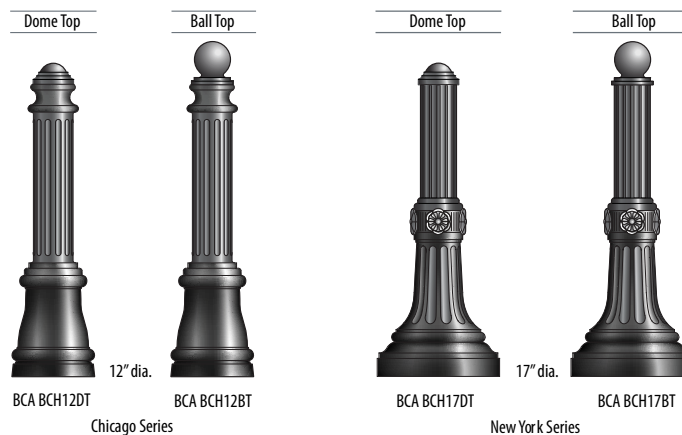
Example: BCA BCH12DT ANBK RSP

Family	Series	Finish	Rapid-ship program
BCA Cast aluminum bollards	BCH12DT BCH12BT BNY17DT BNY17BT	ANBK Black ANDB Dark bronze ANDG Dark green	RSP

ADDITIONAL INFORMATION

For additional product information, visit www.antiquestreetlamps.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions (if provided) are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

Intended Use

Antique Street Lamps rapid-ship lighting assemblies provide a contemporary styling with full-cutoff, high-performance optics. Two size assemblies available in 16-, 18- and 20-foot heights with single or twin arm options. Typical applications include street lighting, downtowns, parks, public areas and mall interiors.

Shipping: The rapid-ship program provides product shipment within 10 days of

receipt of order. Please refer to our website at www.antiquestreetlamps.com for more information.

Construction

Materials: Posts are steel construction with a 4" or 5" shaft and an aluminum two-piece base cover. Arms are one-piece aluminum and cast aluminum construction. Luminaires are cast aluminum with a clear glass flat lens. Hardware and fasteners are stainless steel material. Standard exterior hardware is of a tamper-resistant design.

Finish: The posts are finished with a premium polyester powder coating. Standard colors are black, dark bronze or dark green.

Optics

Luminaires utilize high-performance reflectors in type 3 distribution.

Electrical

Luminaires are provided with quick-disconnect H.I.D. ballast and socket assemblies.

Installation

Posts are provided with four, hot-dip galvanized, 3/4" L-type

anchor bolts and a handhole with cover for wiring access. Arms slip-fit the post tenon and are secured with eight socket set screws. Luminaires mount securely to the arm plumb device and are provided with a hinged and gasketed lens ring with captive screw for easy lamp access.

Listings

UL Listed to U.S. and Canadian safety standards. Luminaires are labeled as suitable for wet locations.

RAPID-SHIP CONTEMPORARY LIGHTING POST ASSEMBLIES



ORDERING INFORMATION

Example: EPSX 16 S4 3-3/8T8 EAL4/1 PER PE1 EM17FT 100M MED GCF SR3 TB1 ANBK RSP

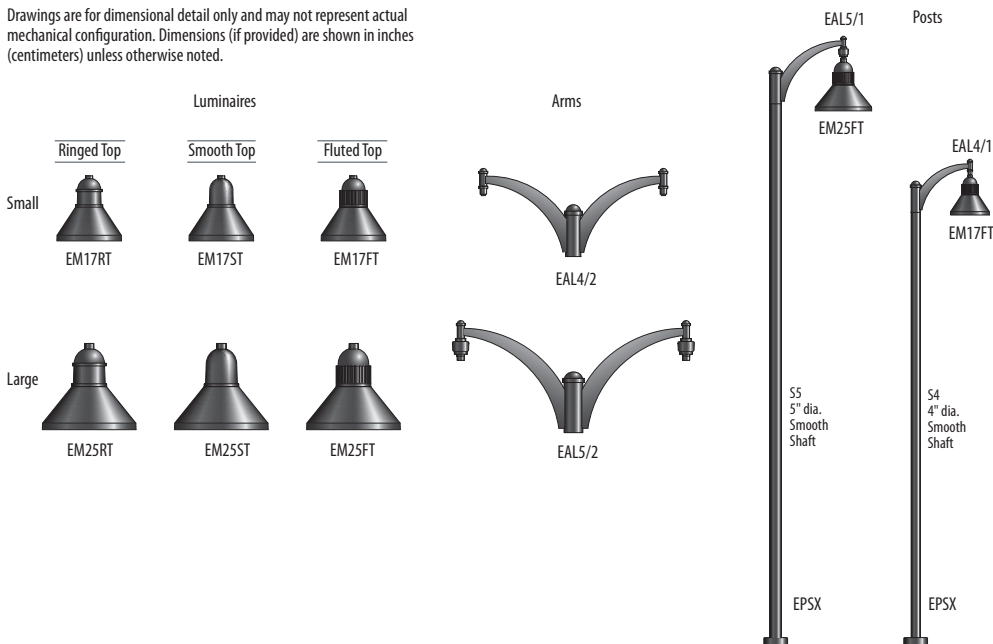
Series	Height	Shaft	Mounting method	Arms	Options	Luminaires	Lamp type ¹
EPSX	16	Small assembly	Small assembly	Small assembly	Arm options	Small assembly	Metal halide (small assembly only)
	18	S4	3-3/8T8 Tenon size	EAL4/1	PER Twist-lock photocontrol receptacle	EM17RT	50M MED 50W
	20	Large assembly	Large assembly	EAL4/2	PE1 NEMA twist-lock PE 120, 208, 240V	EM17ST	70M MED 70W
				Large assembly	PE3 NEMA twist-lock PE 347V	EM17FT	100M MED 100W
	S5	4-3/8T8 Tenon size	EAL5/1	PE4 NEMA twist-lock PE 480V	Large assembly	EM25RT	150M MED 150W
			EAL5/2	PE7 NEMA twist-lock PE 277V	EM25ST	EM25FT	

Lamp type ¹ (continued)	250M MOG	250W	Lens	Distribution	Voltage ³	Finish	Rapid-ship program
High pressure sodium (small assembly only)	250M MOG	250W	GCF Glass, clear flat	SR3 Type III	TB1 120V	ANBK Black	RSP
50S MED 50W	400M MOG	400W ²			TB2 208V ⁴	ANDB Dark bronze	
70S MED 70W	High pressure sodium (large assembly only)				TB3 240V	ANDG Dark green	
100S MED 100W	150S MOG	150W			TB4 277V		
150S MED 150W					347 347V		
Metal halide (large assembly only)							
175M MOG 175W							

ADDITIONAL INFORMATION

For additional product information, visit www.antiquestreetlamps.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions (if provided) are shown in inches (centimeters) unless otherwise noted.



Notes

- Lamp not supplied with luminaires.
- Reflectors designed for ED28 lamp.
- Multi-tap ballast (120, 208, 240, 277V), (120, 277, 347V in Canada).
- Consult factory for availability in Canada.

PRODUCT INFORMATION

HISTORICAL LUMINAIRES



Intended Use
Antique Street Lamps luminaires provide a historical style appearance that is perfectly suited for use with Antique Street Lamps posts. Typical applications include street lighting, downtowns, parks, public areas and mall interiors. Shown here is a sampling of luminaires available. Please refer to our website at www.antiquestreetlamps.com for more selections and for specifications.

Construction
Materials: All luminaire bases and frames are manufactured from heavy-wall, low-copper, cast aluminum. Round domes are spun aluminum or cast aluminum. Hardware and fasteners are stainless steel material. Standard exterior hardware is of a tamper-resistant design.

Finish: The luminaires are finished with a premium polyester powder coating. Standard colors are black, dark bronze or dark green.

Optics
Globes are formed from clear acrylic or polycarbonate and are either smooth, textured or refractive. DS series luminaires with cutoff optics utilize anodized segmented reflectors available in four distributions. Optional glass refractors in type V or III distributions are available.

Electrical
Luminaires are provided with quick-disconnect H.I.D. ballast and socket assemblies.

Installation
All post-top luminaires are designed to slip-fit a 3" O.D. x 3" tall tenon and are secured with set screws. All pendant/roadway luminaires are designed to mount to the roadway arms plumbing device.

Listings
UL Listed to U.S. and Canadian safety standards. Luminaires are labeled as suitable for wet locations.

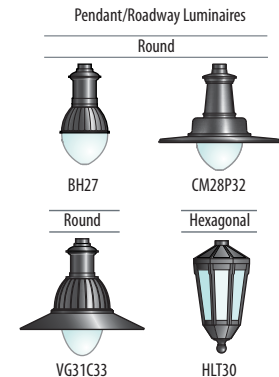
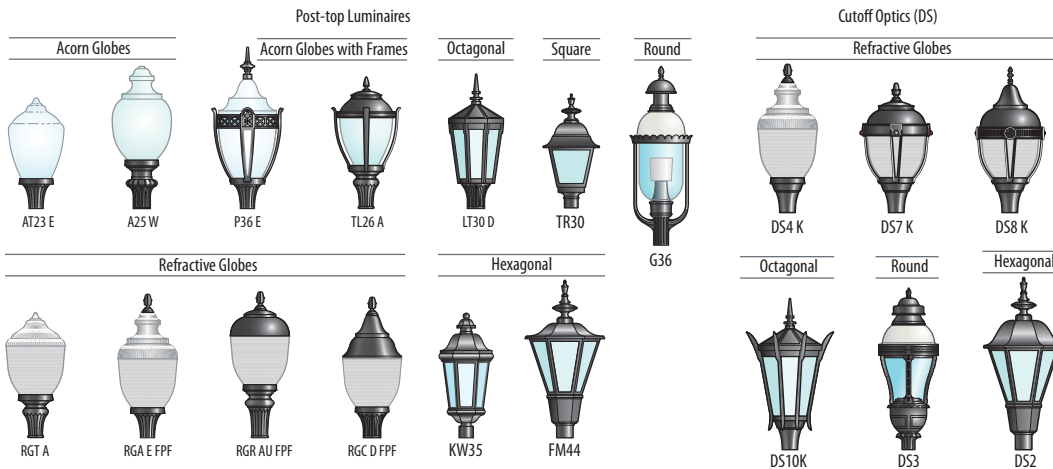
ORDERING INFORMATION

Example: A25 AU 100M MED ACT GR5 TB1 PER PE1 ANBK

Series		Base	Lamp type		Lens		Distribution			
Available with base	RGT	Not available with base	CM28P32	A	Metal halide	High pressure sodium	All luminaires except those named below	DS4, DS8 and DS7 only (blank) Acrylic refractive	All luminaires except those named below	DS2-DS8 only
AT23	RGA	TR30	VG31C33	AU	70M MED 70W	70S MED 70W	ACT Acrylic clear textured	G36, KW35, DS3 and DS2 only	GR5 Glass refractor type V	SR2 Reflector type II
A25	RGR	KW35	HLT30	D	100M MED 100W	100S MED 100W ²	P36 only	ARF Acrylic refractive	GR3 Glass refractor type III	SR3 Reflector type III
P36	RGC	FM44		E	150M MED 150W	150S MOG 150W ³	PCT Polycarbonate clear textured		All RGs only	SR4SC Reflector type IV
TL26	DS4	G36		K	250M MOG 250W ¹	150S MED 150W ²	BH27, CM28, VG31 and all RGs only		R5 Refractive globe type V	SR5S Reflector type V
LT30	DS7	DS3		W		250S MOG 250W ¹	ACS Acrylic clear smooth		R3 Refractive globe type III	
	DS8	DS2								
	DS10	BH27								
Distribution (continued)		Voltage ⁴	Options		Finish					
DS10 only		TB1 120V	FPF	Finial for AT, A and all RGs only	PE3	NEMA twist-lock PE 347V ⁶	ANBK	Black		
TY5 Reflector type V		TB2 208V ⁶	PEB1	Photoelectric cell button 120V	PE4	NEMA twist-lock PE 480V ⁶	ANDB	Dark bronze		
VLR5, CM28 and VG31 only		TB3 240V	PEB2	Photoelectric cell button 208, 240, 277V	PE7	NEMA twist-lock PE 277V ⁶	ANDG	Dark green		
VLR5 Vertical lamp reflector type V		TB4 277V	PER	Twist-lock photocontrol receptacle ⁶			ANPP	Prime painted		
VLR3 Vertical lamp reflector type III		347 347V	PE1	NEMA twist-lock PE 120, 208, 240V ⁶			CM	Custom match		
CM28 and VG31 only							CS	Custom select RAL colors		
HLR Horizontal reflector type III										

ADDITIONAL INFORMATION For additional product information, visit www.antiquestreetlamps.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions (if provided) are shown in inches (centimeters) unless otherwise noted.



Notes

- 250W only available with AT23, A25, P36, TL26, LT30, and all RGs in conjunction with bases A, W or AU and all pendant luminaires. Lamp not supplied with luminaires.
- Available only with DS luminaires.
- Not available with DS luminaires.
- Multi-tap ballast (120, 208, 240, 277V), (120, 277, 347V in Canada).
- Consult factory for availability in Canada.
- Optional photocontrols only available with the AU luminaire base.



Most luminaires above use base selections. Replace bases shown in illustrations with any above. Base AU is available with optional twist-lock photocontrol.

HISTORICAL ARMS



Example: CCA24 ANBK

PRODUCT INFORMATION

Intended Use

Antique Street Lamps arms provide a historical style appearance that is perfectly suited for use with Antique Street Lamps luminaires and posts. Typical applications include street lighting, downtowns, parks, public areas and mall interiors.

Shown here is a sampling of arms available. Please refer to our website at www.antiquestreetlamps.com for more selections and for specifications. Arms may also

be available as four-ways, three-ways, two-ways, one-ways and as wall brackets. See website for availability.

Construction

All arms are fabricated as one-piece construction. Integral 3" O.D. x 3" tall tenons are provided for post-top luminaire mounting. A plumbing device is provided for mounting and leveling the pendant luminaires.

Materials: The arms are cast aluminum and extruded

aluminum. Removable cast finials are provided at the center for wiring access. Hardware and fasteners are stainless steel material. Standard exterior hardware is of a tamper-resistant design.

Finish: The arms are finished with a premium polyester powder coating. Standard colors are black, dark bronze or dark green.

Installation

Arms slip-fit a post tenon and are secured with socket set

screws. Appropriate tenon sizes vary for each arm. See sizes below.

ORDERING INFORMATION

Series

For post top luminaires

- CCA24
- ACA30
- ASC30
- PCP36
- RT39
- LB33
- WTA28

For pendant luminaires

- ELC27/1
- WLC72/1
- GAC48/1
- CVC27/1

Finish

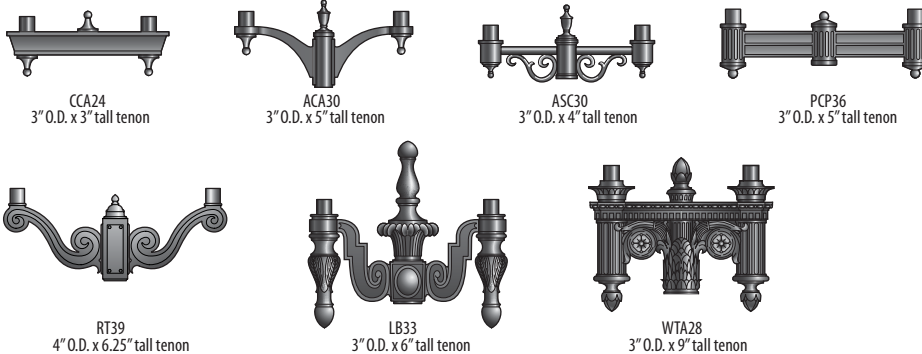
- ANBK Black
- ANDB Dark bronze
- ANDG Dark green
- ANPP Prime painted
- CM Custom match
- CS Custom select RAL colors

ADDITIONAL INFORMATION

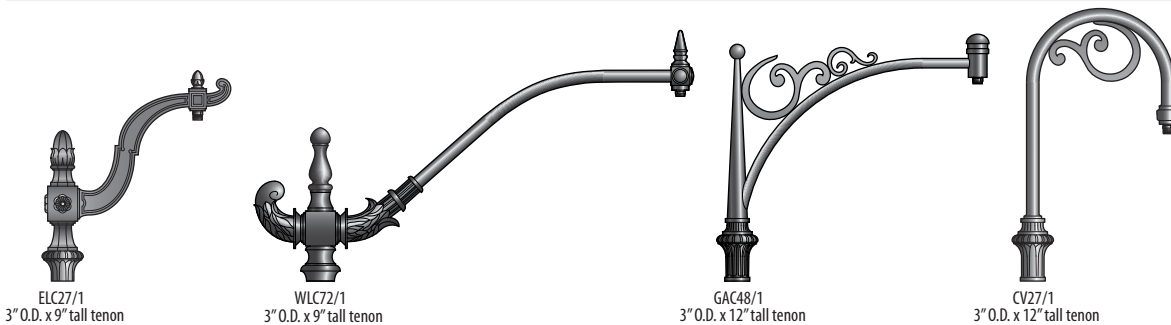
For additional product information, visit www.antiquestreetlamps.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions (if provided) are shown in inches (centimeters) unless otherwise noted.

Post-top Arms for Post-top Luminaires



Post-top Roadway Arms for Pendant Luminaires



HISTORICAL POSTS

Intended Use

Antique Street Lamps posts provide a historical style appearance that is perfectly suited for use with Antique Street Lamps luminaires. Posts are available in aluminum, cast iron, and cast iron and steel in 8-foot to 23-foot heights. Typical applications include street lighting, downtowns, parks, public areas and mall interiors.

Shown here is a sampling of posts available. Please

refer to our website at www.antiquestreetlamps.com for more selections and for specifications.

Construction

All posts are fabricated as one-piece construction. An integral 3" O.D. x 3" tall tenon is provided for standard luminaire mounting. Arms may use different size tenons. See arm specifications for appropriate sizes.

Materials: The post bases are cast aluminum or cast iron. Aluminum posts have 4" or 5" diameter fluted or smooth extruded aluminum, or cast tapered fluted shafts. Cast iron posts have cast tapered fluted shafts. Cast iron and steel posts have tapered and fluted steel shafts. Hardware and fasteners are stainless steel material. Standard exterior hardware is of a tamper-resistant design.

Finish: The posts are finished with a premium polyester powder coating. Standard colors are black, dark bronze or dark green.

Installation

Posts are provided with four, hot-dip galvanized, 3/4" L-type anchor bolts. A door is provided in the base for anchorage and wiring access. A grounding screw is provided inside the base, accessible through the door.

ORDERING INFORMATION

Example: PX CH12 14 F4 3T3 ANBK

Series	Size ^{1,2}	Height ²	Shaft	Mounting method ⁴	Finish						
PX Cast aluminum post with extruded shafts	W17	KW20	6	13	18	PX only	3T3	3" O.D. x 3" tall tenon (standard)	ANBK	Black	
PI Cast iron post	NY17	H16	7	14	20	F4	Fluted 4" ³	3T4	3" O.D. x 4" tall tenon	ANDB	Dark bronze
PZ Cast iron and steel post	CH12	FW18	8	15	21	S4	Smooth 4" ³	3T5	3" O.D. x 5" tall tenon	ANDG	Dark green
	C20	C24	10	16 ³	22	F5	Fluted 5"	3T6	3" O.D. x 6" tall tenon	ANPP	Prime painted
	PD18	NY20	12	17	23	S5	Smooth 5"	3T9	3" O.D. x 9" tall tenon	CM	Custom match
						PI and PZ only	(blank)	Tapered fluted	3T12	3" O.D. x 12" tall tenon	CS
								4T6-1/4	4" O.D. x 6-1/4" tall tenon		

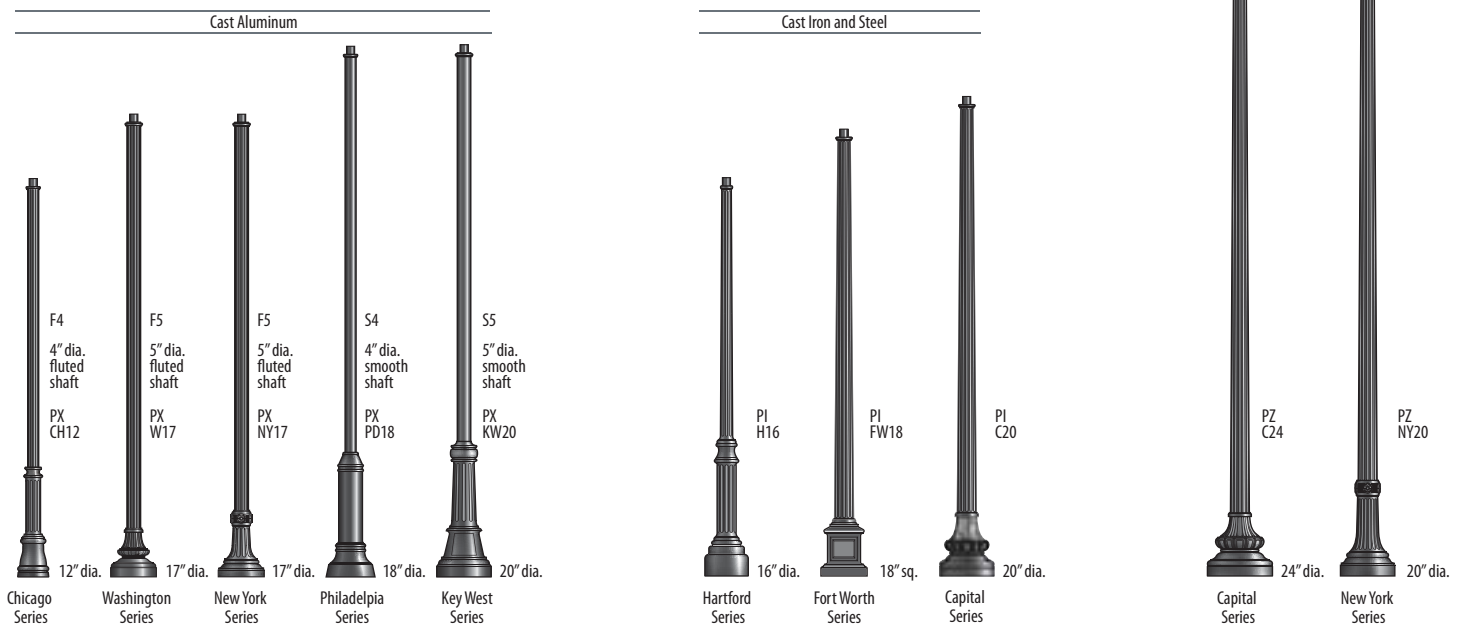
ADDITIONAL INFORMATION

For additional product information, visit www.antiquestreetlamps.com.

CONFIGURATIONS

SERIES	SIZE	HEIGHT (FT.)
PX	CH12, W17, NY17, PD18, KW20	8, 10, 12, 14, 16
PI	H16	10, 12, 14
PI	FW18	6, 7, 10, 12, 13, 15
PI	C20	10, 12, 13, 15
PZ	C24	12, 13, 15, 17, 20, 22
PZ	NY20	13, 14, 16, 18, 21, 23

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions (if provided) are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Specify size and height, see configuration table.
- 2 Factory is available to help with loading calculations.
- 3 F4 and S4 shafts are not available in 16' height.
- 4 Check luminaire or arm specifications for proper tenon size.

HISTORICAL BOLLARDS



Example: BLC A BH10DTL 100M MED ACS GR5 TB1 EBB ANBK

PRODUCT INFORMATION

Intended Use

All bollards are fabricated as one-piece construction with removable top for optical access where applicable.

Materials: Bollards are cast aluminum or cast iron. Aluminum bollards have shafts of 5" diameter fluted extruded or cast fluted aluminum with cast bases and tops. Cast iron bollards are all cast. Hardware and fasteners are stainless steel material.

Standard exterior hardware is of a tamper-resistant design.

Finish: The bollards are finished with a premium polyester powder coating. Standard colors are black, dark bronze or dark green.

Optics

Lenses are white smooth glass inside the extruded aluminum shafts or acrylic with choice of clear or white in top-mounted optics. Lumi-

naires provide a symmetrical distribution. Optional glass reflectors with type V or III distributions are available with bollards with top-mounted optics.

Electrical

Luminaires are provided with quick-disconnect H.I.D. ballast and socket assemblies.

Installation

Bollards are provided with four, hot-dip galvanized, 3/4"

L-type anchor bolts. A door is provided in the base for anchorage and wiring access. A grounding screw is provided inside the base, accessible through the door.

Listings

UL Listed to U.S. and Canadian safety standards. Luminaires are labeled as suitable for wet locations.



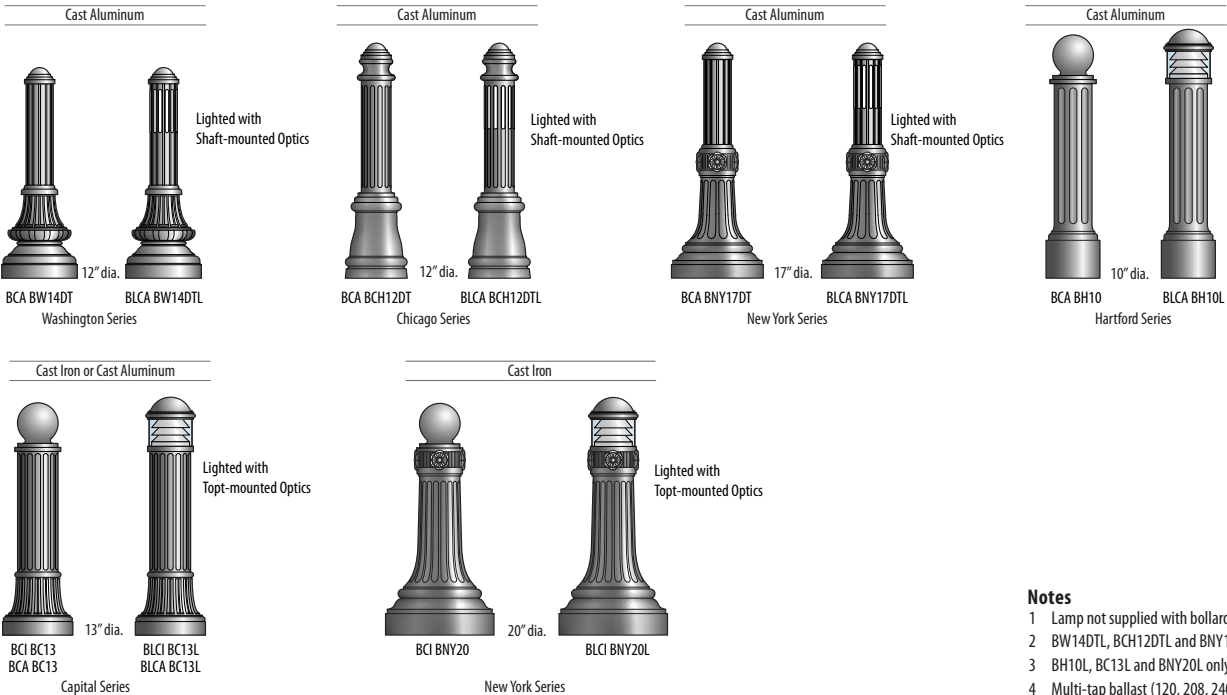
ORDERING INFORMATION

Series	Size	Lamp type ¹	Lens			
BLC A Cast aluminum lighted bollards	BLC A only	BLCI only	BNY17DT	BLC A and BLCI only	High pressure sodium	Shaft-mounted optics ²
BLCI Cast iron lighted bollards	BW14DTL	BC13L	BH10	Metal halide	50S MED 50W	GWS Glass, white smooth
BCA Cast aluminum bollards	BCH12DTL	BNY20L	BC13	50M MED 50W	70S MED 70W	Top-mounted optics ³
BLCI Cast iron bollards	BNY17DTL	BLC A only	BLCI only	70M MED 70W	100S MOG 100W	ACS Acrylic, clear smooth
	BH10L	BW14DT	BC13	100M MED 100W		AWS Acrylic, white smooth
	BC13L	BCH12DT	BNY20			
Distribution ³		Voltage ⁴		Options		Finish
(blank)	Std. low brightness reflector type V	BLC A and BLCI only		EBB	One eyebolt	ANBK Black
GR3	Glass refractor type III	TB1 120V		2EBB	Two eyebolts	ANDB Dark bronze
GRS	Glass refractor type V	TB2 208V ⁵				ANDG Dark green
		TB3 240V				ANPP Prime painted
		TB4 277V				CM Custom match
		347 347V				CS Custom select RAL colors

ADDITIONAL INFORMATION

For additional product information, visit www.antiquestreetlamps.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions (if provided) are shown in inches (centimeters) unless otherwise noted.



- Notes**
- Lamp not supplied with bollards.
 - BW14DTL, BCH12DTL and BNY17DTL only.
 - BH10L, BC13L and BNY20L only.
 - Multi-tap ballast (120, 208, 240, 277V), (120, 277, 347V in Canada).
 - Consult factory for availability in Canada.

PRODUCT INFORMATION

SIGNAGE

Banner Arms

**Intended Use**

Antique Street Lamps banner arms allow the ability to add banners to Antique Street Lamps light posts. Typical applications include street lighting, downtowns, parks, public areas and mall interiors.

Shown here is a sampling of banner arms available. Please refer to our website at www.antiquastreetlamps.com for more selections and for specifications.

Construction

Materials: The banner arms are extruded aluminum. Removable cast finials are provided at the end for banner placement. Bottom eyebolts are recommended because of the wind load of the banner.

Finish: The banner arms are finished with a premium polyester powder coating. Standard colors are black, dark bronze or dark green.

Installation

Banner arms have the option of either a plate to bolt on to the post mounting pad, or a clamp to clamp around the post.

ORDERING INFORMATION

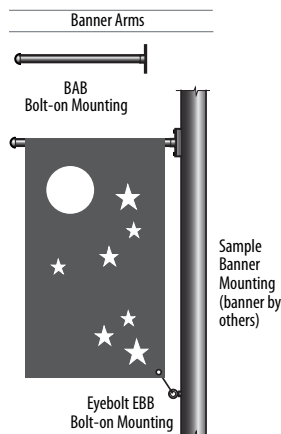
Example: BAC19 BACD4 24H4 EBC19 EBCD4 ANBK

Series	Clamp diameter ¹		Arms		Eyebolts		Eyebolt clamp diameter ¹		Finish									
<u>Bolt-on</u>	BAC29	2 @ 90°	BACD3	3" Ø	BACD5-1/2	5.5" Ø	12H4	1"Ø, 12" long	<u>Bolt-on</u>	EBC19	1 eyebolt	EBCD3	3" Ø	EBCD6	6" Ø	ANBK	Black	
BAB	1 banner arm	<u>Two sets clamp-on</u>	BACD3-1/2	3.5" Ø	BACD6	6" Ø	18H4	1"Ø, 18" long	EBB	1 eyebolt	2EBC19	1 eyebolt	EBCD3-1/2	3.5" Ø	EBCD6-1/2	6.5" Ø	ANDB	Dark bronze
2BAB	2 banner arms	2BAC19	BACD4	4" Ø	BACD6-1/2	6.5" Ø	24H4	1"Ø, 24" long	2EBB	2 eyebolts	2EBC28	2 @ 180°	EBCD4	4" Ø	EBCD7	7" Ø	ANDG	Dark green
3BAB	3 banner arms	2BAC19	BACD4-1/2	4.5" Ø	BACD7	7" Ø	30H4	1"Ø, 30" long	3EBB	3 eyebolts	3EBC29	2 @ 90°	EBCD4-1/2	4.5" Ø	EBCD7-1/2	7.5" Ø	ANPP	Prime painted
4BAB	4 banner arms	2BAC28	BACD5	5" Ø	BACD7-1/2	7.5" Ø	36H4	1"Ø, 36" long	4EBB	4 eyebolts			EBCD4-1/2	4.5" Ø	EBCDTB S	Ø to be specified	CM	Custom match
<u>One set clamp-on</u>					BACDTBS	Ø to be specified			<u>One set clamp-on</u>				EBCD5	5" Ø			CS	Custom select RAL colors
BAC19	1 arm								EBC19	1 eyebolt			EBCD5-1/2	5.5" Ø				
BAC28	2 @ 180°								EBC28	2 @ 180°								
									EBC29	2 @ 90°								

ADDITIONAL INFORMATION

For additional product information, visit www.antiquastreetlamps.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions (if provided) are shown in inches (centimeters) unless otherwise noted.

**Notes**

1 For clamp-ons only.

SIGNAGE

Sign Frames



Intended Use

Antique Street Lamps sign frames and banner arms allow the ability to add signs and banners to Antique Street Lamps light posts. Typical applications include street lighting, downtowns, parks, public areas and mall interiors.

Shown here is a sampling of sign frames and banner arms available. Please refer to our website at www.antiquastreetlamps.com

for more selections and for specifications.

Construction

Material: Sign frames are one-piece cast aluminum with a solid backing and a 1" wide border. Hardware and fasteners are stainless steel material.

Finish: The sign frames are finished with a premium polyester powder coating. Standard colors are black, dark bronze or dark green.

Installation

Street sign frames have the option of bolt-on, clamp-on or post-top mounting. Traffic sign frames have the option of clamp-on or post-top mounting. The post-top version mounts on a 3" x 3" O.D. tenon and is secured with six socket set screws. Bolt-on mountings will need an orientation drawing for the post. Contact the factory for details.

Example: STR3612C STCD4 ANBK

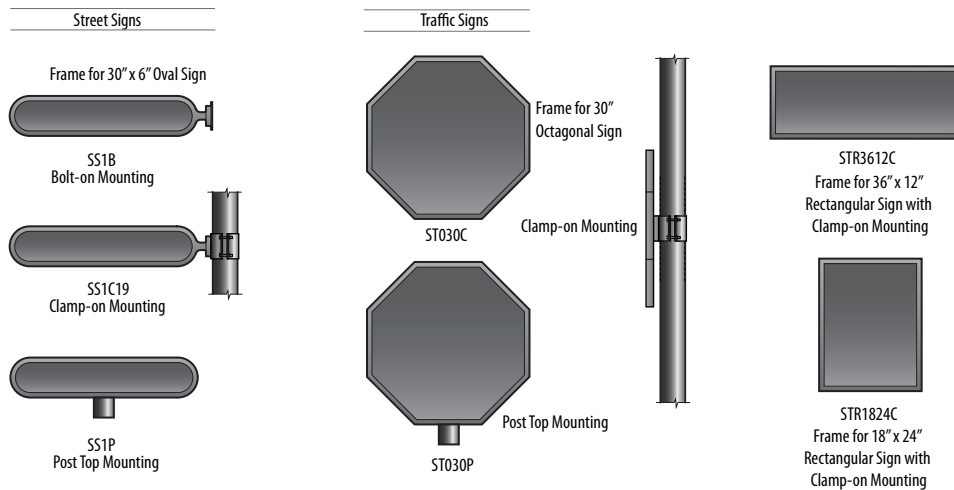
ORDERING INFORMATION

Series		Clamp diameter ¹						Finish	
Bolt-on mounting street signs	Post-top mounting street signs	Post top mounting traffic signs		Street signs		Traffic signs			
SS1B 1 sign frame	SSIP 1 sign frame	STO30P Frame for 30" octagonal sign	SSCD3 3" Ø	SSCD5-1/2 5.5" Ø	SSCD6 6" Ø	STCD3-1/2 3.5" Ø	STCD6-1/2 6.5" Ø	ANBK Black	
2SS1B 2 sign frame	SSIP29 2 sign frames @ 90°	STR3612P Frame for 36" x 12" rectangular sign	SSCD3-1/2 3.5" Ø	SSCD6-1/2 6.5" Ø	SSCD7 7" Ø	STCD4 4" Ø	STCD7 7" Ø	ANDB Dark bronze	
Clamp-on mounting street signs	Clamp-on mounting traffic signs	STR1824P Frame for 18" x 24" rectangular sign	SSCD4 4" Ø	SSCD7-1/2 7.5" Ø	SSCD7-1/2 7.5" Ø	STCD3 3" Ø	STCD7-1/2 7.5" Ø	ANDG Dark green	
SS1C19 1 sign frame	STO30C Frame for 30" octagonal sign		SSCD4-1/2 4.5" Ø	SSCDTBS Ø to be specified	SSCDTBS Ø to be specified	STCD4-1/2 4.5" Ø	STCDTBS Ø to be specified	ANPP Prime painted	
SS1C29 2 sign frames @ 90°	STR3612C Frame for 36" x 12" rectangular sign		SSCD5 5" Ø			STCD5 5" Ø		CM Custom match	
	STR1824C Frame for 18" x 24" rectangular sign					STCD5-1/2 5.5" Ø		CS Custom select RAL colors	
						STCD6 6" Ø			

ADDITIONAL INFORMATION

For additional product information, visit www.antiquastreetlamps.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions (if provided) are shown in inches (centimeters) unless otherwise noted.



Notes

1 For clamp-ons only.



First Citizens Bank | Cline Bettridge Lighting Design | ©2009 Robert Benson



Indianapolis Airport | ©2009 Hydrel



JW Marriott | Gary Steffy Lighting Design Inc. | ©2009 Kevin Beswick



Bay St. Louis Bridge | HNTB Corporation | ©2009 Mark McCabe

HYDREL

Hydrel was launched with a mission: to make the most reliable underwater lighting the world has ever seen. This was no small task, since water is a hostile environment for lighting. But we accomplished it, and in the ensuing decades as we've moved up onto land, the company has continued to build its expanding lines of outdoor lighting products the same way. Rugged. Impenetrable. Uncommonly reliable. One thing is certain: Hydrel products are engineered to outperform anything on the market. It is in our DNA, and customers couldn't be happier.



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PRODUCT INFORMATION

M9400



Intended Use

The M9400 Series modular in-grade lights are multi-purpose units designed for flush mounting in a variety of substrates or materials. The M9400 fixtures are used to uplight architectural and landscape features.

Construction

Door material: Cast aluminum, cast bronze or stainless steel. Round or square with two stainless steel captive fasteners that lock the lamp module into the rough-in section.

Lamp module: Stainless steel, sealed and purged of all moisture with silicone gaskets, stainless steel clamp band

and single fastener. Electrical connection to lamp module is done through submersible connector with gold-plated contacts. Lamp included.

Rough-in section: Injection-molded polymer with integral junction box for branch wiring (25 cubic inches/410ccm), U.V. stabilized, impact- and corrosion-resistant for use in all types of environments. Houses power module, lamp modules and finishing components. Adjustment ring provides 360° aim rotation with keyed section to receive lamp module. Ring locks into position with stainless steel

fasteners. RIS has a cylinder/vault configuration.

Double lens: Includes 360° Aim-Lock™ module support ring, door assembly, tilt ring, and module indexing segment providing maintenance and relamping without re-aiming. The lamp module is suspended below the door lens in a surface-adjustable, 15° tilt mechanism. The insulating air layer reduces surface temperatures. The lenses are clear tempered flat glass.

Electrical

Power module: Ballast is encapsulated in a custom-designed heat-dissipating

epoxy resin to eliminate all moisture intrusion to the ballast. Provided with submersible rated cord/connector for connection to integral junction box and lamp module. HID ballasts are magnetic.

Electrical entries/junction box: bottom or side entries available. Box suitable for through-branch wiring. Splicing volume is 25 cubic inches (410 ccm).

Listings

U.L., C.U.L., IP68, CE, NEMKO.

ORDERING INFORMATION

Example: M9420 B 70CMT6 MVOLT NSP FLC 34B ISS RG GEB LP

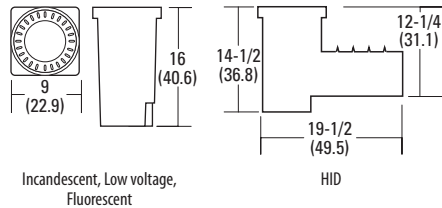
Series ²⁰	Material	Lamp type	Voltage	Distribution ⁵	Lens
M9410 Round single lens	A Aluminum	Low voltage ² P3075I	70CMT4 ^{7,18} 12 ²	VNSP Very narrow spot	FL Flood CLC Convex lens clear
M9420 Round double lens	B Bronze	M35 100Q	70CMT6 ⁷ 120	NSP Narrow spot	WFL Wide flood CLF Convex lens frosted
M9430 Square single lens	SS Stainless steel	M50 Fluorescent ⁶	P2035CM 208	NSP Narrow spot	VWFL Very wide flood FLC Flat lens clear
M9440 Square double lens		M75 18TRT	P3035CM 240	SP Spot	WWD Wall wash distribution FLCS Flat lens clear, 5° axial spread
		P3650ILV 26TRT	P3070CM 277	MFL Medium flood	ASY Asymmetrical FLC10 Flat lens clear, 10° tilt
		P3675ILV 32TRT		NFL Narrow flood	FLC20 Flat lens clear, 20° tilt
		Incandescent ³ P1675I			FLSR Flat lens, slip resistant
		Ceramic metal halide P2050I	35CMT4 ^{7,18}		FLCAS Flat lens clear, anti-slip
			35CMT6 ⁷		FLF Flat lens frosted

Conduit entry	Options	Lamped	Finish ¹⁷
12B 1/2" NPT bottom	Internal accessories ¹⁰	LP Lamp installed	BL Black
12S 1/2" NPT side	IHL Honeycomb louver		BZ Bronze
34B 3/4" NPT bottom ¹⁹	ISS Source shield ⁸		DDB Dark bronze
34S 3/4" NPT side	LSF Linear spread filter		DNA Natural aluminum
	CFAMB Color filter amber		GN Green
	CFBLU Color filter blue		GR Gray
	CFGRN Color filter green		SND Sand
	CFRED Color filter red		
	WWL Wall wash louver ⁹		
	External accessories ¹⁰		
	GS Glare shield		STG Steel gray
	LC Lexan cover		TVG Terra verde green
	RG Rock guard ¹¹		WH White
	Trims ¹⁰		CF Custom
	BTR Bronze round		
	BTS Bronze square		
	STR Stainless round		
	STS Stainless square		
	Fusing		
	SF Single fuse ¹²		
	DF Double fuse ¹³		
	Ballasts ¹⁴		
	GEB Electronic ballast ¹⁵		
	MLEBAD Electronic dimming ballast ¹⁶		

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Not available with M9430 and M9440.
- If 12V is selected, transformer will not be provided.
- Only available in 120V.
- MVOLT is only available with fluorescent and metal halide lamps with electronic ballasts.
- All distributions not available with all lamp types.
- Available distributions are MFL, WWD and ASY.
- Available distributions are NSP and MFL for T6; NSP, MFL and WWD for T4.
- Not available with PAR, MR or fluorescent lamps.
- Only valid with WWD distribution.
- Accessories are mutually exclusive. Only RG and GS can be ordered together. External options and trims not available with SS doors.

- RG is not valid with CLC or CLF lenses.
- SF available with 120V, 277V or 347V and HID only.
- DF available with 208V, 220V or 240V and HID only.
- Only available with metal halide lamps and MVOLT voltage.
- Standard on CMT4 lamps.
- For use with 0-10V analog dimmer (by others). Additional electrical conductors are required. Consult Hydel for details.
- Finish only available on aluminum doors.
- Lamps available with GEB or MLEBAD electronic MVOLT only.
- Default conduit entry.
- For lens load ratings, slip resistance and temperatures, see page 655.

M9400

Monochromatic LED



PRODUCT INFORMATION

Intended Use

Hydrel's M9400 series modular in-grade lights are multi-purpose units designed for uplighting architectural and landscape features.

Construction

Door material: Cast aluminum, cast bronze or stainless steel. Available in round or square door trim.

Finish: Finish is natural aluminum or bronze. Stainless steel door is brushed finish. Aluminum doors may be painted. See ordering guide for color options.

Finishing section: Single or double lens design includes door assembly with 360° Aim-Lock™ lamp module support ring. Module indexing provides easy maintenance and relamping without re-aiming. Active optical lenses also are available. Door trim locks into position with two stainless steel captive, tamper-resistant fasteners.

Rough-in section: Injection-molded polymer with integral junction box for through-branch wiring. The housing is U.V. stabilized, impact- and corrosion-re-

sistant for use in all types of environments. The rough-in has a cylinder configuration and houses the lamp components and top door finishing section.

Electrical

Lamp type: Monochromatic LEDs, 12W LED array included.

Lamp module: Stainless steel, sealed and purged of all moisture with silicone gaskets, stainless steel clamp band and single fastener. Electrical connection to lamp module is done through submersible connector with gold-plated contacts.

Power module: LED driver is encapsulated in a custom-designed heat-dissipating epoxy resin that also eliminates all moisture intrusion. Module is provided with submersible rated cord leads for connection to integral junction box and lamp module.

Conduit entry: Two (2) bottom or side entries available. Box suitable for through-branch wiring. Splicing volume is 25 cubic inches (410 ccm).

Listings

U.L., C.U.L., IP68.



ORDERING INFORMATION

Example: M9410 A 12LED MVOLT CLW SP CLC 12B IHL LP BL

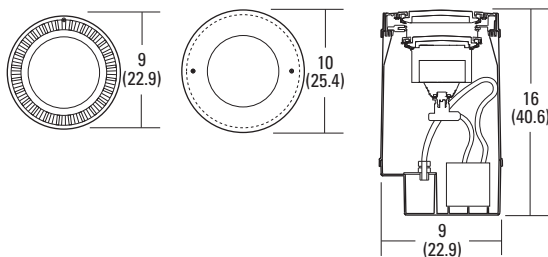
Series ⁸	Material	Lamp type	Voltage	LED color	Distribution	Lens ⁷
M9410 Round single lens	A Aluminum	12LED	MVOLT	CLW Cool white	SP Spot	CLC Convex lens clear
M9420 Round double lens	B Bronze			CLWHO Cool white - high output	MFL Medium flood	CLF Convex lens frosted
M9430 Square single lens	SS Stainless steel			WMW Warm white	LSD Linear spread	FLC Flat lens clear
M9440 Square double lens				AMB Amber	WFL Wide flood	FLC10 Flat lens clear, 10° tilt
				BLU Blue		FLC20 Flat lens clear, 20° tilt
				GRN Green		FLSR Flat lens, slip resistant
				RED Red		FLCAS Flat lens clear, anti-slip
				RBL Royal blue		FLF Flat lens frosted

Conduit entry	Options	Lamped	Finish ⁵
12B 1/2" NPT bottom	Internal accessories ²	LP LED array installed	BL Black
12S 1/2" NPT side	IHL Honeycomb louver		BZ Bronze
34B 3/4" NPT bottom ⁶	LSF Linear spread filter ³		DDB Dark bronze
34S 3/4" NPT side	External accessories ^{2,4}		DNA Natural aluminum
	GS Glare shield		GN Green
	LC Lexan cover		GR Gray
	RG Rock guard		SND Sand
	Trims ^{2,4}		
	STS Stainless square		STG Steel gray
	BTR Bronze round		TVG Terra verde green
	BTS Bronze square		WH White
	STR Stainless square		CF Custom

ADDITIONAL INFORMATION

For additional product information, visit www.hydrrel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Not available with M9430/M9440 square model.
- Accessories are mutually exclusive; only RG and GS can be ordered together.
- Not available with CLC or CLF convex lens.
- Accessory not available with SS door material.
- Finish only available with aluminum material.
- Default conduit entry.
- Specify top lens. Bottom lens is FLC format.
- For lens load ratings and slip resistance, see page 655.

PRODUCT INFORMATION

M9700



Intended Use

Hydrel's M9700 series modular in-grade lights are multi-purpose units designed for uplighting of architectural and landscape features. These units can be flush-mounted into a variety of substrates or landscape materials.

Construction

Door material: Cast aluminum, cast bronze, cast aluminum or bronze with stainless perforated trim insert, or stainless steel. Available in round or square door trim.

Finish: Finish is natural aluminum or bronze. Stainless steel door is brushed finish. Aluminum doors may be painted.

Rough-in section: Injection-molded polymer with integral junction box for through-branch wiring. The housing is U.V. stabilized, impact- and corrosion-resistant for use in all types of environments. The rough-in section has a cylinder/vault configuration and houses the lamp and power module components and top door finishing section.

Lamp module: Stainless steel housing, factory-sealed and purged of all moisture for longer component life. Lens is sealed with silicone gasket and stainless steel clamp band assembly with single fastener. Electrical connection to lamp module is

done through a submersible quick-pull plug connector with gold-plated contacts. Standard unit is thermally protected. Lamp included.

Finishing section: Single lens design includes door assembly with 360° Aim-Lock™ lamp module support ring. Module indexing provides easy maintenance and re-lamping without re-aiming. Active optical lenses are also available. Door trim locks into position with two stainless steel captive, tamper-resistant fasteners.

Electrical

Power module: Ballast is encapsulated in a custom-designed heat-dissipating ep-

oxy resin that also eliminates all moisture intrusion to the ballast. Module is provided with submersible rated cord leads for connection to integral junction box and lamp module. Standard ballast is high power factor, fluorescent electronic or HID magnetic.

Conduit entry: Two (2) bottom or side entries available. Box suitable for through-branch wiring. Splicing volume is 25 cubic inches (410 ccm).

Listings

U.L., C.U.L., IP68, CE, NEMKO.

ORDERING INFORMATION

Example: M9710 B 150CMT6 120 NSP FLC 34B ISS GS LP

Series ¹⁸	Material	Lamp type	Voltage	Distribution	Lens	Conduit entry
M9710 Round single lens	A Aluminum	<u>Incandescent</u> ¹⁴ 26TRT	120	NSP Narrow spot ¹⁵	FLC Flat lens clear	12B 1/2" NPT bottom
M9720 Round double lens	B Bronze	P38100I 32TRT	208	SP Spot ¹⁶	FLC10 Flat lens clear, 10° tilt	12S 1/2" NPT side
M9730 Square single lens	SS Stainless steel	P38150I 42TRT	240	NFL Narrow flood	FLC20 Flat lens clear, 20° tilt	34B 3/4" NPT bottom ⁸
M9740 Square double lens		P38250I <u>Metal halide</u> 70M	277	MFL Medium flood	FLF Flat lens frosted	34S 3/4" NPT side
		100Q 70M	347	FL Flood ¹⁷	FLC5 Flat lens clear, 5° axial spread ²	
		150Q 100M	MVOLT ¹	WFL Wide flood ¹⁶	FLSR Flat lens, slip resistant	
		250Q 150M		WWD Wall wash distribution ²	FLCAS Flat lens clear, anti-slip	
		<u>Fluorescent</u> P3870M			CLC Convex lens clear	
		18TRT P38100M			CLF Convex lens frosted	
		P38150M P38100CM				

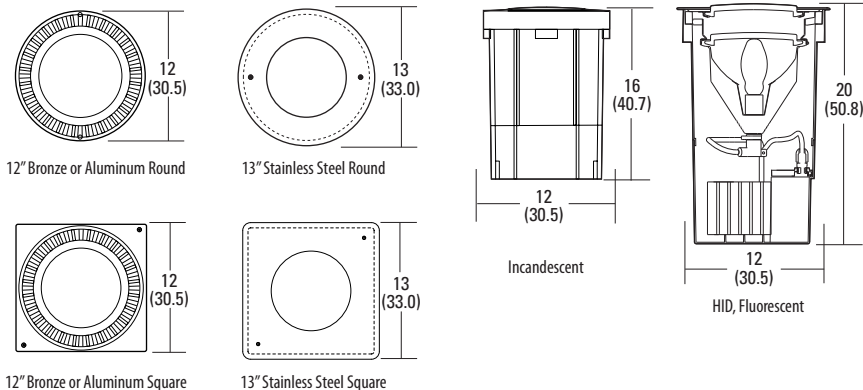
Options

Internal accessories ⁵	External accessories ^{5,6}	STR Stainless trim round	Ballast ¹¹	Lamp	Finish ¹³
IHL Internal honeycomb louver	GS Glare shield	STS Stainless trim square	GEB Electronic ballast	LP Lamp installed	BL Black
ISS Internal source shield ³	LC Polycarbonate protective cover ⁷	<u>Rings and masks</u>	MLEBAD Electronic dimming ballast ¹²		BZ Bronze
LSF Linear spread	LS Light shield	PRR Protective ring round			DDB Dark bronze
CFAMB Color filter amber	RG Rock guard	PRS Protective ring square			DNA Natural aluminum
CFBLU Color filter blue	<u>Trims</u> ^{5,6}	GM Grout mask			GN Green
CFGRN Color filter green	BTR Bronze trim round	<u>Fusing</u>			GR Gray
CFRED Color filter red	BTS Bronze trim square	SF Single fuse ⁹			SND Sand
WWL Wall wash louver ⁴		DF Double fuse ¹⁰			STG Steel gray
					TVG Terra verde green
					WH White
					CF Custom

ADDITIONAL INFORMATION

For additional product information, visit www.hydrel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Standard on fluorescent and metal halide lamps with electronic ballast option.
- FLF5 lens recommended for 70W HID and lower. FLC5 lens recommended for 100W HID and higher with WWD distribution.
- ISS not available with PAR or fluorescent lamps, or WWD distribution.
- Not available with PAR lamps.
- Accessories are mutually exclusive. Choose one.
- Not available with SS material.
- LC not available for M9710, M9730.
- Default conduit entry.
- SF available with 120V, 277V or 347V HID only.
- DF available with 208V, 220V or 240V HID only.
- Available with MVOLT (120V-277V) voltage only for metal halide lamps to 150W maximum.
- For use with 0-10V analog dimmer (by others). Additional electrical conductors are required. Consult Hydrel for details.
- Finish only available on aluminum doors.
- Incandescent models available with 120V only.
- NSP only available with T4 or T6 lamps.
- Not available with T6 lamps.
- Only available with PAR lamps.
- For lens load ratings, slip resistance and temperatures, see page 655.

PRODUCT INFORMATION

Intended Use

Hydrel's M9700 series modular in-grade lights are multi-purpose units designed for uplighting of architectural and landscape features. These units can be flush-mounted into a variety of substrates or landscape materials.

Construction

Door material: Cast aluminum, cast bronze, cast aluminum or bronze with stainless perforated trim insert, or stainless steel. Available in round or square door trim.

Rough-in section: Injection-molded polymer with integral junction box for through-branch wiring. The housing is U.V. stabilized,

impact- and corrosion-resistant for use in all types of environments. The rough-in section has a cylinder/vault configuration and houses the lamp and power module components and top door finishing section.

Lamp module: Stainless steel housing, factory-sealed and purged of all moisture for longer component life. In the double lens units, the lamp module is suspended below the top door lens in a surface-adjustable, 15° tilt mechanism. The insulating air layer helps to reduce surface temperatures. Lens is sealed with silicone gasket and stainless steel clamp band assembly with

single fastener. Electrical connection to lamp module is done through a submersible quick-pull plug connector with gold-plated contacts. Lamp included.

Finishing section: Includes door assembly with 360° Aim-Lock™ lamp module support ring. Module indexing provides easy maintenance and relamping without re-aiming. Active optical lenses also are available. Door trim locks into position with two stainless steel captive, tamper-resistant fasteners.

Finish: Natural aluminum or bronze. Stainless steel door is brushed finish. Aluminum doors may be painted.

Electrical

Lamp type: Monochromatic LED, 22W.

Power module: LED driver is encapsulated in a custom-designed heat-dissipating epoxy resin that also eliminates all moisture intrusion. Module is provided with submersible rated cord leads for connection to integral junction box and lamp module.

Conduit entry: Two (2) bottom or side entries available. Box suitable for through-branch wiring. Splicing volume is 25 cubic inches (410ccm).

Listings

U.L., C.U.L., IP68.

M9700

Monochromatic LED



Visit www.hydel.com for color changing LED specifications.

ORDERING INFORMATION

Example: M9710 A 22LED RBL 120 SP FLC 34B IHL LP BL

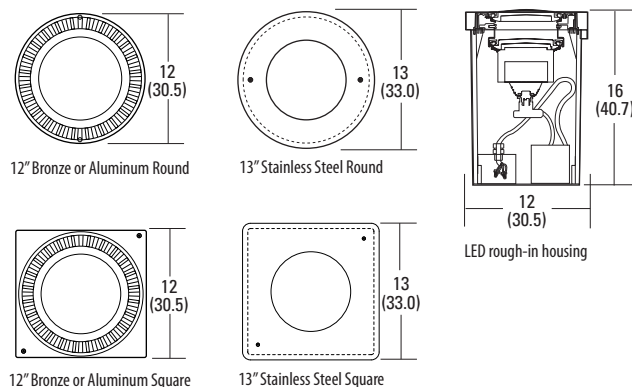
Series ⁸	Material	Lamp type	LED color	Voltage	Distribution	Lens
M9710 Round single lens	A Aluminum	22LED	CLW Cool white	120 ⁶	SP Spot	FLC Flat lens clear
M9720 Round double lens	B Bronze		CLWHO Cool white high output	MVOLT	MFL Medium flood	FLC10 Flat lens clear, 10° tilt
M9730 Square single lens	SS Stainless steel		WMW Warm white		LSD Linear spread distribution	FLC20 Flat lens clear, 20° tilt
M9740 Square double lens			AMB Amber		WFL Wide flood	FLF Flat lens frosted
			BLU Blue			FLCAS Flat lens clear, anti-slip
			GRN Green			FLSR Flat lens, slip resistant
			RED Red			CLC Convex lens clear
			RBL Royal blue			CLF Convex lens frosted

Conduit entry	Options	Trims ^{2,4}	Lamped	Finish ⁵
12B 1/2" NPT bottom	<u>Internal accessories²</u>	BTR Bronze trim round	LP Lamp included	BL Black
12S 1/2" NPT side	IHL Internal honeycomb louver	BTS Bronze trim square		BZ Bronze
34B 3/4" NPT bottom ⁷	LSF Linear spread	STR Stainless trim round		DDB Dark bronze
34S 3/4" NPT side	<u>External accessories^{2,3,4}</u>	STS Stainless trim square		DNA Natural aluminum
	GS Glare shield	<u>Dimming</u>		GN Green
	LC Polycarbonate protective cover	LDIM 0-10V Dimming ⁶		GR Gray
	RG Rock guard			SND Sand

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Not available with M9730 or M9740 square model.
- 2 Accessories are mutually exclusive; choose one only.
- 3 Not available with CLC or CLF convex lens.
- 4 Accessory not available on "SS" door material.
- 5 Finish only available on aluminum door material.
- 6 Dimming available with 120V only.
- 7 Default conduit entry.
- 8 For lens load ratings and slip resistance, see page 655.

PRODUCT INFORMATION

M9800

**Intended Use**

The M9800 series modular in-grade lights are multi-purpose units designed for flush mounting in soil or concrete. The units consist of a factory-sealed, thermally protected lamp module and epoxy encapsulated power module placed in a secured rough-in section (RIS) which includes channeled convective cooling, an integral junction box and door assembly.

Construction

Finishing section: Includes 360° Aim-Lock™ support ring, door assembly, tilt ring,

and module indexing segment providing maintenance and relamping without re-aiming. The lamp module is suspended below the door lens with a surface-adjustable, 10° tilt mechanism. The insulating air layer reduces surface temperatures. Doors available in cast aluminum or cast bronze, round. Two stainless steel captive fasteners lock the finishing section into the rough-in section.

Rough-in section: Injection-molded polymer cylinder with integral junction box for branch wiring (75 cubic

inches /1230ccm), U.V. stabilized, impact- and corrosion-resistant for use in many environments. Houses power module, lamp modules and finishing components.³

Electrical

Lamp type: Incandescent – PAR64 500W max. HID – E23, E28, E37 and elliptical to 400W.

Socket: Incandescent - Mogul end prong or GX16D base. HID - Mogul or E40 base.

Power module: Ballast is encapsulated in a custom-designed heat-dissipating epoxy resin to eliminate

all moisture intrusion to the ballast. Provided with submersible rated cord/connector for connection to integral junction box and lamp module. HID ballasts are magnetic.

Conduit entry: Two (2) bottom or side entries available. Box suitable for through-branch wiring. Splicing volume is 25 cubic inches (410 ccm).

Listings

U.L., C.U.L., CE, NEMKO, IP68.

ORDERING INFORMATION

Example: M9820 A 400M 277 SP FLC 34B ISS SF LP BZ

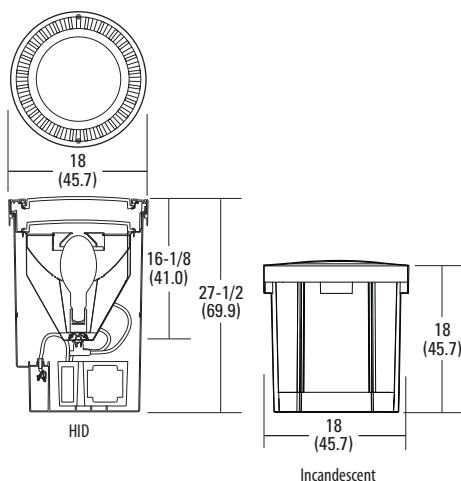
Series ¹³	Material	Lamp type	Voltage	Distributions	Lens	
M9820 Round double lens	A Aluminum	<u>Incandescent</u> ¹	400M E37, mogul	120	SP Spot	FLC Flat lens clear ³
		<u>Metal Halide</u>	P64500I PAR64, ext. mogul end prong ¹⁰	<u>High Pressure Sodium</u>	208	NSP Narrow spot ²
	P56300I PAR56, mogul end prong ¹⁰		250ST E18, mogul	220	MFL Medium flood	FLC10 Flat lens clear, 10° tilt
	200M E28, mogul		400ST E18, mogul	240	WFL Wide flood ²	FLC20 Flat lens clear, 20° tilt
	250M E28, mogul			277	WWD Wall wash ¹⁰	
	320M E28, mogul		347	VNSP Very narrow spot ²		

Conduit entry	Options	Lamped	Finish ¹¹
1B 1" NPT bottom	<u>Internal accessories</u> ⁶	LP Lamp installed	BL Black
12B 1/2" NPT bottom	ISS Internal source shield ^{5,10}		BZ Bronze
12S 1/2" NPT side ⁴	IHL Internal honeycomb louver		DDB Dark bronze
34B 3/4" NPT bottom ¹²	WWL Wall wash louver		DNA Natural aluminum
34S 3/4" NPT side ⁴	<u>External accessories</u> ⁶		GN Green
	GS Glare shield		GR Gray
	RG Rock guard		SND Sand
	<u>Trim ring</u>		STG Steel gray
	BTR Bronze trim ring		TVG Terra verde green
	STR Stainless trim ring		WH White
	<u>Fusing</u>		CF Custom finish
	SF Single fuse ⁷		
	DF Double fuse ⁸		
	<u>Ballast</u>		
	SCWA Super constant wattage ballast ⁹		

ADDITIONAL INFORMATION

For additional product information, visit www.hydre.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- 1 Incandescent models available with 120V only.
- 2 Only available with PAR lamps.
- 3 FLC will be used if lens is not chosen except for WWD distribution, then FLC5 will be used.
- 4 Not available with incandescent lamps.
- 5 Not available with WWD distribution.
- 6 Mutually exclusive; choose only one.
- 7 SF is only available with 120V, 277V or 347V on HID only.
- 8 DF is only available with 208V, 220V or 240V on HID only.
- 9 Standard on all metal halide lamps.
- 10 WWD and ISS not available with P56300I, P64500I.
- 11 Paint finish only available on aluminum doors
- 12 Default conduit entry.
- 13 For lens load ratings, slip resistance and temperatures, see page 655.

M9000

Accessories and Door Material

Installation Accessories

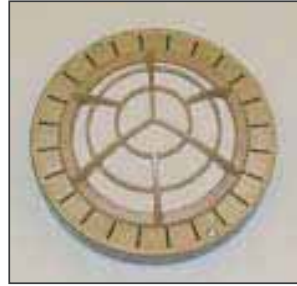


BTR Bronze trim ring



STR Stainless trim ring

Safety Accessories



RG Rock guard, bronze or aluminum



LC Polycarbonate protective cover

Light Control Accessories



GS Glare shield, bronze or aluminum



IHL Internal honeycomb louver



WWL Wall wash louver



ISS Internal source shield



FLC5 5° Axial spread lens



FLC10 10° tilt lens



FLC20 20° tilt lens

Door Material Options



A Aluminum door



B Bronze door



SS Stainless steel door

PRODUCT INFORMATION

PDX4

Paradox™ 4" Architectural In-Grade



Intended Use

Hydrel's Paradox Series sealed modular in-grade luminaires are multi-purpose units designed for uplighting architectural and landscape features. These units can be flush-mounted into a variety of substrates or landscape materials, and are ideal when aperture size or luminaire depth is a priority.

Construction

Door material: Die-cast bronze or stainless steel.

Housing: Die-cast bronze and injection-molded thermoplastic. The housing is U.V. stabilized, impact- and corrosion-resistant for use in all types of environments.

Finish: Natural bronze or stainless steel with a brushed finish.

Optics

Lens/seal: Tempered clear flat borosilicate glass. The patent-pending door/lens seal uses proprietary knife edge technology to secure the assembly to the housing.

Two captive screws hold the assembly in place. The lens is notched to provide maximum aperture opening.

Electrical

Lamp: MR16 GX5.3 base or MR11GU4 base. Conduit entry: Two 1/2" NPT side entries standard, two 1/2" bottom entries are optional.

Power supply: Optional integrally mounted transformer, prewired for easy installation and maintenance.

Listings

U.L., C.U.L., CSA-U.S., CSA, IP68.

ORDERING INFORMATION

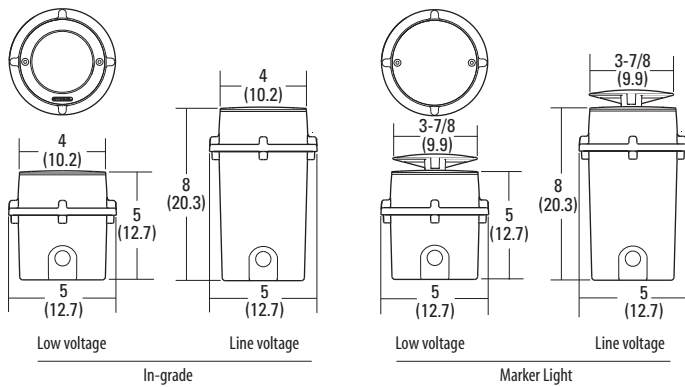
Example: PDX4 B M35 120 NSP FLC 12S IHL LPI

Series	Material	Lamp type	Voltage	Distribution	Lens	Conduit entry	Options ^{2,4}	Lamped
PDX4 In-grade ⁵	SS Stainless steel	M20 MR16, GX5.3, 20W max.	12 ¹	PDX4	FLC Flat lens clear	12S Two 1/2" NPT side (standard)	Internal accessories	LPI Lamp included
PDX4ML Marker light	BSS Brushed stainless steel ²	M35 MR16, GX5.3, 35W max. M50 MR16, GX5.3, 50W max. MR1120 MR11, GU4, 20W max.	120	NSP Narrow spot ³	FLCAS Flat lens clear, anti-slip ²	12B Two 1/2" NPT bottom	IHL Internal honeycomb louver	
	B Bronze	MR1135 MR11, GU4, 35W max.		SP Spot	FLSR Flat lens, slip resistant ²		LSF Linear spread filter	
				NFL Narrow flood			CFAMB Color filter amber	
				WFL Wide flood ³			CFBLU Color filter blue	
				FL Flood ³			CFGFRN Color filter green	
				PDX4ML			CFRED Color filter red	
				ML180 180°				
				ML360 360°				

ADDITIONAL INFORMATION

For additional product information, visit www.hydrel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Transformer sold separately.
- Only available if PDX4 is chosen.
- Not available with MR11 lamps.
- Only one accessory available.
- For lens load ratings, slip resistance and temperatures, see page 655.

Intended Use

Hydrel's Paradox Series sealed modular in-grade luminaires are multi-purpose units designed for uplighting architectural and landscape features. These units can be flush-mounted into a variety of substrates or landscape materials, and are ideal when aperture size or luminaire depth is a priority.

Construction

Door material: Die-cast bronze or stainless steel.

Housing: Die-cast bronze and injection-molded thermoplastic. The housing is U.V. stabilized, impact- and corrosion-resistant for use in all types of environments.

Finish: Natural bronze or stainless steel with a brushed finish.

Lens/seal: Tempered clear flat borosilicate glass. The patent-pending door/lens seal uses proprietary knife edge technology to secure the assembly to the housing. Two captive screws hold the assembly in place. The lens is

notched to provide maximum aperture opening.

Electrical

LED: Monochromatic LED, 9W.

Conduit entry: Two 1/2" NPT side entries standard; two 1/2" bottom entries are optional.

Power supply: Integrally mounted modular LED driver, prewired for easy installation and maintenance.

Listings

CSA-U.S., CSA, IP68.

PDX4

Paradox™ 4" Architectural In-Grade Monochromatic LED



ORDERING INFORMATION

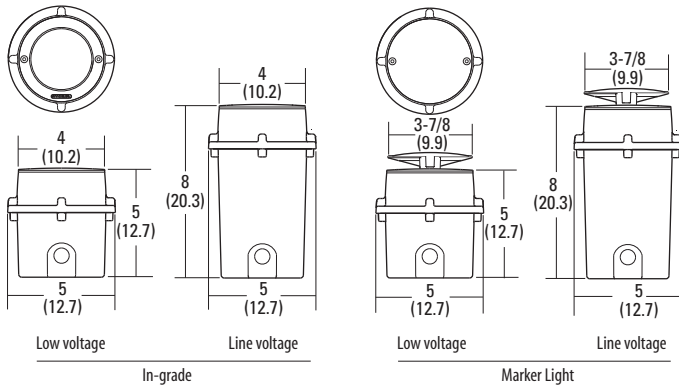
Example: PDX4 B 9LED CLW MVOLT SP FLC 12S TKO LPI

Series	Material	Lamp type	LED color	Voltage	Distribution	Lens	Conduit entry	Options	Lamped
PDX4	In-grade ³	SS Stainless steel	9LED	CLW Cool white	12 ²	PDX4	FLC Flat lens clear	TKO Tilt kit optic ¹	LPI LED array included
PDX4ML	Marker light	BSS Brushed stainless steel ¹	WMW Warm white	MVOLT	SP Spot	FLCAS Flat lens clear, anti-slip ¹	12S Two 1/2" NPT side (standard)		
	B Bronze		AMB Amber		MFL Medium flood	FLSR Flat lens, slip resistant ¹	12B Two 1/2" NPT bottom		
			BLU Blue		PDX4ML				
			GRN Green		ML180 180°				
			RED Red		ML360 360°				
			RBL Royal blue						

ADDITIONAL INFORMATION

For additional product information, visit www.hydrel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Only available if PDX4 is chosen.
- 2 Transformer sold separately.
- 3 For lens load ratings and slip resistance, see page 655.

PDX7

Paradox™ 7" Architectural In-Grade



Intended Use

Hydrel's Paradox Series sealed modular in-grade luminaires are multi-purpose units designed for uplighting architectural and landscape features. These units can be flush-mounted into a variety of substrates or landscape materials, and are ideal when aperture size or luminaire depth is a priority.

Construction

Door material: Die-cast bronze or stainless steel, available with die-cast brass extension for cool application.

Housing: Compression-molded polyester with patent-pending internal direct access junction box for through-branch wiring. Internal junction box provides 44 cubic inches volume to ensure proper seal during installation. The housing is

U.V. stabilized, impact- and corrosion-resistant for use in all types of environments. The housing has a sidecar configuration and houses the lamp and power module components as well as the lens/door finishing section.³

Lens/seal: Tempered clear flat borosilicate glass. The patent-pending door/lens seal uses proprietary knife edge technology to secure the assembly to the housing. Three captive screws hold the assembly in place. The lens is notched to provide maximum aperture opening.

Finish: Natural bronze or stainless steel with a brushed finish. Bronze doors may be painted. Consult factory for color options.

Optics

Reflectors (non-reflectorized lamps): High-purity anodized

specular or semi-specular materials in various distributions provide maximum performance and uniformity. Lamps can be aimed 15° from vertical and rotated 360°. All configurations available with Hydrel's patented Aim-Lock™ locking components to allow re-lamping and maintenance without re-aiming.

Electrical

Low voltage: MR11 GZ4 base, 35W max. MR16 GX5.3 base, 75W max., PAR36 screw terminal base, 75W max. AR111 G53 base, 75W max.

Incandescent: PAR20, PAR30, medium base.

HID: T4 or T6 bi-pin base, 70W max PAR-20 or PAR-30 medium base, 70W max color corrected metal halide.

Fluorescent: Triple-tube CFL 4-pin base, 26W max.

If a specific lamp is desired, specify manufacturer's lamp number; most lamps can be supplied. Lamp included.

Conduit entry: Two molded 3/4" NPT side entries standard; bottom hubs are molded with a 3/4" NPT membrane knockout.

Ballast: Integrally mounted modular ballast package, prewired with quick connectors for easy installation and maintenance. Ballasts are rated for low starting temperatures. High power factor magnetic ballasts standard; electronic ballasts also available.

Listings

U.L., C.U.L.

ORDERING INFORMATION

Example: PDX7 B 35CMT6 120 NSP FLC 34S RG LPI

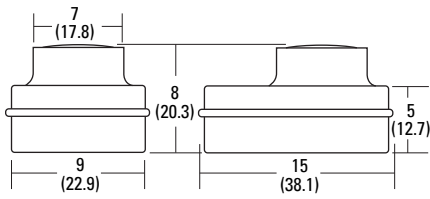
Series ²²	Material	Lamp type	Voltage	Distribution
PDX7	In-grade SS	Stainless steel		
PDX7CL	In-grade with cool lens BSS	Brushed stainless steel ¹²		
	B	Bronze		
		Low voltage¹		
		M20 MR11, GZ4	AR11150 G53	20CMT4 T4, G8.5 ^{11,17}
		M35 MR11, GZ4	AR11175 G53	35CMT4 T4, G8.5
		M50 MR16, GX5.3	Incandescent²	70CMT4 T4, G8.5 ^{11,17}
		M75 MR16, GX5.3	P2050I PAR20, medium	35CMT6 T6, G12 ¹⁸
		P3650 PAR36, screw terminal	P3050I PAR30, medium	70CMT6 T6, G12 ¹⁸
		P3675 PAR36, screw terminal	HID	P2035CM PAR20, medium
		AR11135 G53	20MHCP PGJ5 ⁹	P3035CM PAR30, medium
			20MHCG GU6.5 ¹⁰	P3070CM PAR30, medium
				181135CM GX8.5
				181170CM GX8.5
				Fluorescent^{4,13}
				18TRT Triple tube, GX24q2
				26TRT Triple tube, GX24q3
				240 NFL Narrow flood
				277 WFL Wide flood
				347 FL Flood ¹⁹
				MVOLT ⁵ WWD Wall wash distribution ⁶

Lens	Conduit entry	Options	Lamped
FLC Flat lens clear	34S Two 3/4" NPT side (standard)	Internal accessories	LPI Lamp included
FLCAS Flat lens clear, anti-slip ¹²		IHL Internal honeycomb louver ¹⁶	
FLSR Flat lens, slip resistant ¹²		ISS Internal source shield ⁷	
		WWL Wall wash internal louver ⁸	
		LSF Linear spread filter	
		CFAMB Color filter amber	
		CFGRN Color filter green	
		CFRED Color filter red	
		External accessories	
		RG Decorative rock guard	
		GS Glare shield ²¹	
		Fusing	
		SF Single fuse ¹⁴	
		DF Double fuse ¹⁵	
		Ballast	
		GEB Electronic ballast ²⁰	

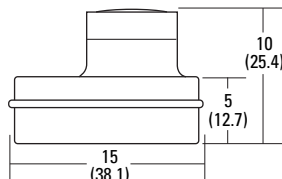
ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Standard Housing



Cool Lens Housing

Notes

- Low voltage only available with 12V, 120V, 240V, 277V inputs.
- Incandescent models are available with 120V only.
- Available for low voltage lamps only.
- 18TRT or 26TRT available with MVOLT only.
- Available with HID if GEB chosen, standard with fluorescent lamps.
- Available with T4 G8.5 base, 20MH PGJ5 base, and 20MH GU6.5 base.
- Available with T6 and T4 lamps in NSP distribution only. Not valid with WWD.
- Available with HID if GEB chosen, standard with fluorescent lamps.
- Philips Mini MasterColor available in 20W and 120V GEB only.
- GE Mini UltraMax available in 20W and 120V GEB only.
- 20CMT4, 35CMT4 or 70CMT4 only valid with MVOLT and GEB.
- Not available with decorative rock guard.
- Available only in MFL light distribution.
- SF is available only with 120V, 277V or 347V on HID.
- DF is available only with 208V, 220V or 240V on HID.
- IHL not available with color filters.
- Available with NSP, MFL and WWD only.
- Available with NSP, MFL and WFL only.
- Only available with PAR lamps.
- HID only.
- SS door only.
- For lens load ratings, slip resistance and temperatures, see page 655.

Intended Use

Hydrel's Paradox Series sealed modular in-grade luminaires are multi-purpose units designed for uplighting architectural and landscape features. These units can be flush mounted into a variety of substrates or landscape materials, and are ideal when aperture size or luminaire depth is a priority.

Construction

Door material: Die-cast bronze or stainless steel.

Housing: Compression-molded polyester with patent-pending internal direct-access junction box for through-branch wiring. Internal junction box provides 44 cubic inches volume to ensure proper seal during installation. The housing is U.V. stabilized, impact- and corrosion-resistant for use in all types of environments. The housing has a sidecar configuration and houses the lamp and power module components as well as the lens/door finishing section.

Finish: Natural bronze or stainless steel with a brushed finish.

Optics

Lens/seal: Tempered clear flat borosilicate glass. The patent-pending door/lens seal uses proprietary knife edge technology to secure the assembly to the housing. Three captive screws hold the assembly in place. The lens is notched to provide maximum aperture opening.

Electrical

LED: Monochromatic LEDs, 12W.

Conduit entry: Two molded 3/4" NPT side entries standard; bottom hubs are molded with a 3/4" NPT membrane knockout.

Power module: Integrally mounted modular LED driver, prewired with quick connectors for easy installation and maintenance.

Listings

U.L., C.U.L.

PDX7

Paradox™ 7" Architectural In-Grade Monochromatic LED



ORDERING INFORMATION

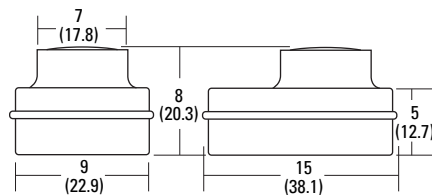
Example: PDX7 B 12LED CLW MVOLT SP FLC 34S LPI

Series ³	Material	Lamp type	LED color	Voltage	Distribution	Lens	Conduit entry	Options	Lamped	
PDX7	SS Stainless steel	12LED	CLW Cool white	MVOLT	SP Spot	FLC Flat lens clear	34S Two 3/4" NPT side (standard)	<u>Internal accessories</u> IHL Internal honeycomb louver <u>External accessories</u> RG Decorative rock guard GS Glare shield ²	LPI LED array included	
	BSS Brushed stainless steel ¹		CLWHO Cool white - high output			MFL Medium flood				FLCAS Flat lens clear, anti-slip ¹
	B Bronze		WMW Warm white			WFL Wide flood				FLSR Flat lens frosted, slip resistant ¹
			AMB Amber			LSD Linear spread distribution				
			BLU Blue							
			GRN Green							
			RED Red							
RBL Royal blue										

ADDITIONAL INFORMATION

For additional product information, visit www.hydrel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Not available with decorative rock guard.
- 2 SS door only
- 3 For lens load ratings and slip resistance, see page 655.

PRODUCT INFORMATION

PDX10

Paradox™ 10" Architectural In-Grade



Intended Use
Hydrel's Paradox Series sealed modular in-grade luminaires are multi-purpose units designed for uplighting architectural and landscape features. These units can be flush-mounted into a variety of substrates or landscape materials, and are ideal when aperture size or luminaire depth is a priority.

Construction
Door material: Die-cast bronze or stainless steel.

Housing: Compression-molded polyester with patent-pending internal direct-access junction box

for through-branch wiring. Internal junction box provides 44 cubic inches volume to ensure proper seal during installation. The housing is U.V. stabilized, impact- and corrosion-resistant for use in all types of environments. The housing has a sidecar configuration and houses the lamp and power module components as well as the lens/door finishing section.

Lens/seal: Tempered clear flat borosilicate glass. The patent-pending door/lens seal uses proprietary knife edge technology to secure the assembly to the housing.

Four captive screws hold the assembly in place. The lens is notched to provide maximum aperture opening.

Optics
Reflector (non-reflectORIZED lamps): High-purity anodized specular or semi-specular materials in various distributions provide maximum performance and uniformity. Lamps can be aimed 15° from vertical and rotated 360°. All configurations available with indexed and locking components to allow re-lamping and maintenance without re-aiming.

Electrical
Conduit entry: Two molded 3/4" NPT side entries standard; bottom hubs are molded with a 3/4" NPT membrane knockout.

Ballast: Integrally mounted modular ballast package, prewired with quick connectors for easy installation and maintenance. Ballasts are rated for low starting temperatures. High power factor magnetic ballasts standard; electronic ballasts also available.

Listings
U.L., C.U.L.

ORDERING INFORMATION

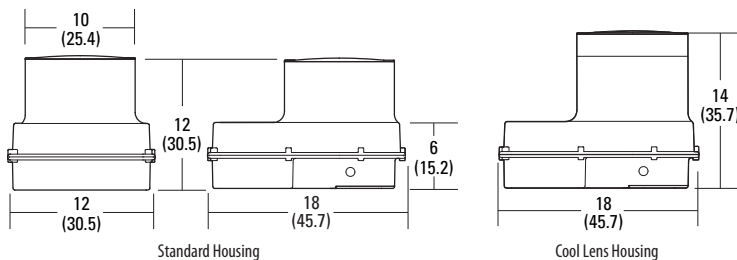
Example: PDX10 B 35CMT6 120 NSP FLC 34S RG LPI

Series ¹⁴	Material	Lamp type	Voltage	Distribution
PDX10 In-grade	SS Stainless steel	<u>Incandescent</u> ¹	120	NSP Narrow spot ¹¹
PDX10CL In-grade with cool lens	BSS Brushed stainless steel ⁸	<u>Metal halide</u>	208	SP Spot
	B Bronze	50M E17, medium ²	220	NFL Narrow flood
		70M E17, medium	240	MFL Medium flood
		70CM E17, medium	277	WFL Wide flood
		100M E17, medium	347	FL Flood
		100CM E17, medium	MVOLT ⁴	WWD Wall wash distribution
		150M E17, medium ²		
		150CM E17, medium ²		
		P3870M PAR38, medium ¹⁰		
		P3870CM PAR38, medium ¹⁰		
		P38100M PAR38, medium ¹⁰		
		P38100CM PAR38, medium ¹⁰		
		High pressure sodium		
		50S E17, medium ²		
		70S E17, medium		
		100S E17, medium		
		150S E17, medium		
		100Q T4, mini can		
		150Q T4, mini can		
		<u>Fluorescent</u> ^{3,9}		
		18TRT Triple tube, GX24q2		
		26TRT Triple tube, GX24q3		
		32TRT Triple tube, GX24q3		
		42TRT Triple tube, GX24q3		
		R11135CM GX8.5 ²		
		R11170CM GX8.5 ²		
		35CMT6 T6, G-12 ²		
		70CMT6 T6, G-12		
		150CMT6 T6, G-12 ²		
Lens			Lamped	
FLC Flat lens clear		34S Two 3/4" NPT side (standard)	LPI Lamp included	
FLCAS Flat lens clear, anti slip ⁸				
FLCSR Flat lens frosted, slip resistant ⁸				
Conduit entry			Options	
			<u>Internal accessories</u>	
			IHL Internal honeycomb louver	
			ISS Internal source shield ⁵	
			WWL Wall wash internal louver ⁶	
			LSF Linear spread filter	
			CFAMB Color filter amber	
			CFBLU Color filter blue	
			CFGFN Color filter green	
			CFRED Color filter red	
			<u>External accessories</u>	
			RG Decorative rock guard	
			<u>Fusing</u>	
			SF Single fuse ¹²	
			DF Double fuse ¹³	
			<u>Ballast</u>	
			GEB Electronic ballast ⁴	

ADDITIONAL INFORMATION

For additional product information, visit www.hydrel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Incandescent models are available with 120V only.
- 2 220V not available.
- 3 Available with MVOLT only.
- 4 If GEB and HID lamp source are chosen, use MVOLT.
- 5 Available with E17, T6 and T4 lamps in NSP distribution only. Not valid with WWD.
- 6 Available only with WWD distributions or TRT lamps.
- 7 35CMT4 or 70CMT4 only valid with MVOLT and GEB.
- 8 Not available with decorative rock guard.
- 9 Available only in MFL, WWD or WFL light distribution.
- 10 PAR38 lamps only available with SP or FL distributions.
- 11 NSP only valid with T4 or T6 lamps.
- 12 SF is available only with 120V, 277V or 347V on HID.
- 13 DF is available only with 208V, 220V or 240V on HID.
- 14 For lens load ratings, slip resistance and temperatures, see page 655.

PDX10

Paradox™ 10" Architectural In-Grade Monochromatic LED



Intended Use
Hydrel's Paradox Series sealed modular in-grade luminaires are multi-purpose units designed for uplighting architectural and landscape features. These units can be flush-mounted into a variety of substrates or landscape materials, and are ideal when aperture size or luminaire depth is a priority.

Construction
Door material: Die-cast bronze or stainless steel.

Housing: Compression-molded polyester with

patent-pending internal direct-access junction box for through-branch wiring. Internal junction box provides 44 cubic inches volume to ensure proper seal during installation. The housing is U.V. stabilized, impact- and corrosion-resistant for use in all types of environments. The housing has a sidecar configuration and houses the lamp and power module components as well as the lens/door finishing section.

Optics
Lens/seal: Tempered clear flat borosilicate glass. The

patent-pending door/lens seal uses proprietary knife edge technology to secure the assembly to the housing. Four captive screws hold the assembly in place. The lens is notched to provide maximum aperture opening.

Electrical
LED type: 22W Monochromatic or color changing.

Conduit entry: Two molded 3/4" NPT side entries standard; bottom hubs are molded with a 3/4" NPT membrane knockout.

Power module: Integrally mounted modular LED driver, prewired with quick connectors for easy installation and maintenance. Control: Standard DMX512. 3-channels per fixture: Red, Green, Blue or 4.

Communication to fixture: DMX512 direct.

Listings
U.L., C.U.L.

LED Visit www.hydel.com for color changing LED specifications.

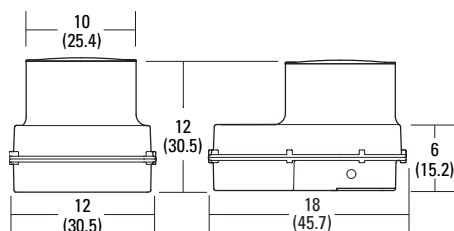
ORDERING INFORMATION

Example: PDX10 SS 22LED CLW MVOLT SP FLC 34S IHL LPI

Series ⁴	Material	Lamp type	LED color	Voltage	Distribution	Lens
PDX10	SS Stainless steel	22LED 22W	CLW Cool white	120 ² MVOLT	SP Spot, clear flat lens	FLC Flat lens clear
	BSS Brushed stainless steel ¹		CLWHO Cool white, high output		MFL Medium flood, clear flat lens	FLCAS Flat lens clear, anti slip ¹
	B Bronze		WMW Warm white		WFL Wide flood, clear flat lens	FLSR Flat lens frosted, slip resistant ¹
			AMB Amber		LSD Linear spread distribution, clear flat lens	
			BLU Blue			
			GRN Green			
			RED Red			
			RBL Royal blue			
Conduit entry		Options		Lamped		
34S Two 3/4" NPT side (standard)		<u>Internal accessories</u> IHL Internal honeycomb louver <u>External accessories</u> RG Decorative rock guard <u>Ballast</u> LDIM 0-10V dimming ³		LPI Lamp included		

ADDITIONAL INFORMATION For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Monochromatic Housing

Notes

- 1 Not available with RG option.
- 2 Only valid with LDIM.
- 3 Only valid with 120V.
- 4 For lens load ratings, slip resistance and temperatures, see page 655.

PARADOX™

Safety Accessories



RG Decorative Rock Guard



FLCAS Anti-Slip Lens



FLSR Slip-Resistant Lens

Light Control Accessories



WWL Wallwash Louver



IHL Internal Honeycomb Louver



ISS Internal Source Shield



GS Glare Shield Stainless Steel (PDX7 only)



TKO 5° Tilt Lens Filter (PDX4 only)



TKO 10° Tilt Lens Filter (PDX4 only)



TKO 15° Tilt Lens Filter (PDX4 only)



TKO 5° Axial Spread Filter

TKO kit includes 5°, 10° and 15° tilt filters and the 5° axial spread filter.

Notes

For visual representation only; not scaled proportionately.

6700



Intended Use

The 6700 Series sealed outdoor lighting fixture offers high performance and durability in an in-grade fixture. Many lamping options and distributions are available, including HID lamps to 100W. Integral ballast and junction box further add to the series' reliability.

Construction

Material: Heavy wall cast bronze body and door.

Finish: Raw bronze.

Optics

Reflector (non-reflectorized lamps): High-purity anodized specular or semi-specular materials in various distributions provide maximum performance and uniformity. Lamps or reflectors are adjustable.

Lens: Tempered clear flat borosilicate glass.

Electrical

Conduit entry: Two 1/2" or 3/4" NPT entries available, bottom or side.

Ballast: Integrally mounted ballast, rated for low starting temperatures.

Listings

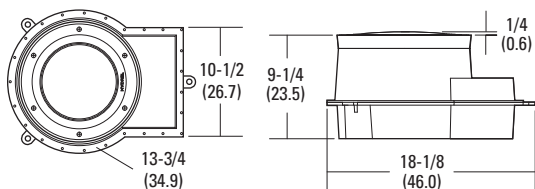
U.L., C.U.L., IP67.

Example: 6700 B 70CMT6 MVOLT NSP FLC 34B ISS GEB LP

ORDERING INFORMATION						Example: 6700 B 70CMT6 MVOLT NSP FLC 34B ISS GEB LP						
Series	Material	Lamp type				Voltage	Distribution		Lens ¹⁵			
6700	B Bronze	<u>Incandescent¹</u>		<u>Fluorescent²</u>		<u>Ceramic metal halide</u>		<u>High pressure sodium</u>		120	SP Spot ⁵	CLC Convex lens clear
		P3050I	18TRT	70CMT6	50S	208	NSP Narrow spot ⁴	CLF Convex lens frosted				
		P3075I	26TRT	150CMT6	70S	240	NFL Narrow flood	FLC Flat lens clear				
		P38100I	32TRT	70CM	100S	277	FL Flood ⁵	FLC5 Flat lens clear, 5° axial spread				
		P38150I	42TRT	100CM	150S	347	MFL Medium flood	FLC10 Flat lens clear, 10° tilt				
		P38250I	<u>Metal halide</u>		150CM	MVOLT ³	WFL Wide flood ⁵	FLF Flat lens frosted				
		100Q	100M	P38100CM	WWD Wall wash distribution	FLC20 Flat lens clear, 20° tilt						
		250Q	150M	P3870CM	FLCAS Flat lens clear, anti-slip							
			P38100M									
			P3870M									
Conduit entry		Options ¹⁵				Lamped						
12B 1/2" NPT bottom	<u>Internal accessories</u>		<u>Filters</u>		<u>External accessories⁸</u>		<u>Fusing</u>		LP Lamp installed			
34B 3/4" NPT bottom (default)	IHL Internal honeycomb louver	LSF Linear spread filter	GS Glare shield	SF Single fuse ¹⁰								
12S 1/2" NPT side	ISS Internal source shield ⁶	CFAMB Color filter amber ¹³	LS Light shield	DF Double fuse ¹¹								
34S 3/4" NPT side	WWL Wall wash louver ⁷	CFBLU Color filter blue ¹³	RG Rock guard ⁹	<u>Ballast¹²</u>								
	ITB Internal tilt bracket ¹⁴	CFGRN Color filter green ¹³	BTR Bronze trim round	GEB Electronic ballast								
		CFRED Color filter red ¹³										

ADDITIONAL INFORMATION For additional product information, visit www.hydre.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Incandescent models available with 120V only.
- 2 Fluorescent models available with 347V or MVOLT (120-277V) only.
- 3 Standard on fluorescent lamps and metal halide lamps with GEB ballasts.
- 4 NSP only available with T4 or T6 lamps.
- 5 Not available with T6 lamps, FL only available with PAR lamps.
- 6 ISS not available with WWD distribution or P38 lamp type.
- 7 Only available with wall wash distribution (WWD).
- 8 Accessories are mutually exclusive. Choose one.
- 9 RG not available with CLC or CLF lenses.
- 10 SF only is available with 120V, 277V or 347V on HID only.
- 11 DF only is available with 208V or 240V on HID only.
- 12 Electronic ballasts only are available with metal halide lamps and MVOLT voltage.
- 13 Color filter available to 100W max.
- 14 ITB only available with NSP and MFL.
- 15 See page 645 for visual representation.

PRODUCT INFORMATION

WD9100



Intended Use

The WD9100 Series wet/dry up lights represent the state-of-the-art in flush up light construction. These multi-purpose modular units are designed for mounting in areas that are prone to being submerged in water.

Construction

Door material: Cast bronze door with rock guard. Door locks the lamp housing into the rough-in section with a single tamperproof stainless fastener.

Rough-in section: Injection-molded ABS, U.V. stabilized, impact- and corrosion-resistant for use in all types of environments.

Lamp module housing: Stainless steel, sealed and purged of all moisture. Integral cord set attached. Cord entrance has a brass water-tight seal and is epoxy encapsulated. Thermally protected.

Cord: NM – Minimum of 35' of 16-3 STWA, submersible cord for connection to a remote junction box (sold

separately). BM – Minimum of 10' of 16-3 STWA submersible cord. Bronze junction box included. Cord length must be specified.

Optics

Active lenses may be used with PAR lamps to modify the distributions.

Electrical

Lamp type: T-4 mini-can lamps to 150W. PAR-38 lamps to 250W. Lamps included.

Conduit entry: 1/2" and 3/4" NPT bottom openings

are available in the cast bronze integral junction box. Suitable for through-branch wiring. Junction box has 24 cubic inches of volume.

Listings

U.L.

ORDERING INFORMATION

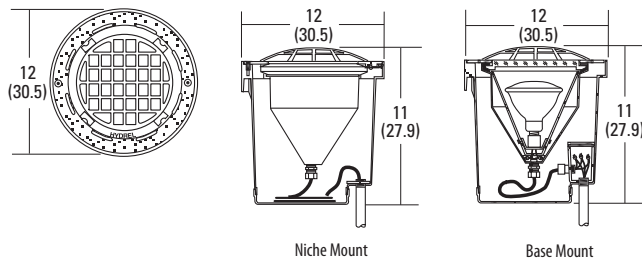
Example: WD9100 P38100I 120 SP FLC NM 34B IHL CSL30 LP

Series	Lamp type	Voltage	Distribution	Lens	Mounting	Conduit entry
WD9100 Wet-dry in-grade	Incandescent ¹ P38100I PAR38, medium P38150I PAR38, medium P38250I PAR38, medium Quartz ² 100Q T4, MC 150Q T4, MC	120	SP Spot ¹ NFL Narrow flood ² MFL Medium flood FL Flood ^{3,3} WFL Wide flood ⁴ WWD Wall wash distribution ⁵	FLC Flat lens clear FLC5 Flat lens clear, 5° axial spread FLC10 Flat lens clear, 10° tilt FLC30 Flat lens clear, 30° spread FLF Flat lens frosted FLCAS Flat lens clear, anti-slip	NM Niche mount ⁶ BM Base mount ⁷	34B 3/4" NPT bottom 12B 1/2" NPT bottom
Options			Cord set length		Lamped	
IHL Internal honeycomb louver MSR Modular support ring STR Stainless steel trim ring, round			CSL_ 10'-120' of cord available in 5' increments		LP Lamp installed	

ADDITIONAL INFORMATION

For additional product information, visit www.hydre.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 PAR38 lamps are available only with SP or FL distributions; lens options available for modifying PAR38 distributions.
- 2 NFL distribution requires a FLC30 lens.
- 3 FL distribution is not available with 100Q or 150Q.
- 4 WFL distribution requires a FLF lens.
- 5 WWD distribution requires a FLC5 lens.
- 6 NM mounting does not come with an underwater junction box.
- 7 BM mounting comes with an underwater junction box.

LENS

M9000 Series

Load Ratings, Slip Resistance and Lens Temperatures

SLIP RESISTANCE AND LOAD RATING		
M9400	M9700	M9800
MAXIMUM LOAD RATING Peak compression force of 7,700 lbs. (single lens) or 2,550 lbs. (double lens).	MAXIMUM LOAD RATING Peak compression force of 3,750 lbs. (single lens) or 3,200 lbs. (double lens).	MAXIMUM LOAD RATING Peak compression force of 3,950 lbs. (double lens).
LENS STATIC COEFFICIENT OF FRICTION M9400 Anti-Slip Lens (FLCAS): Dry = 0.76; Wet = 0.10 M9400 Slip Resistant Lens (FLSR): Dry = 0.66; Wet = 0.67	LENS STATIC COEFFICIENT OF FRICTION M9700 Anti-Slip Lens (FLCAS): Dry = 0.76; Wet = 0.10 M9700 Slip Resistant Lens (FLSR): Dry = 0.66; Wet = 0.67	LENS STATIC COEFFICIENT OF FRICTION M9800 Anti-Slip Lens (FLCAS): Dry = 0.76; Wet = 0.10 M9800 Slip Resistant Lens (FLSR): Dry = 0.66; Wet = 0.67

The M9000 Series offers reduced lens surface temperatures through the use of thermal isolation and patented convective cooling technologies. As with the use of all luminaires in pedestrian areas, Hydrel recommends that proper care be taken in the selection of luminaire location, lamp wattage and distribution in order to minimize pedestrian risk.

M9800 LENS SURFACE TEMPERATURE ²					
	250W E28 MH		400W E37 MH		
	SP	MFL	SP	SP w/ ISS	MFL
DOUBLE LENS	49°C	46°C	54°C	53°C	75°C

M9400 LENS SURFACE TEMPERATURE ²									
	20W T4 MH		35W T6 MH		70W T6 MH		75W MR16	70W PAR30 MR16	70W PAR30 INCAN
	NSP	MFL	NSP	MFL	NSP	MFL	NFL	SP	MFL
SINGLE LENS	69°C	66°C	82°C	89°C	117°C	119°C	107°C	120°C	107°C
DOUBLE LENS	49°C	46°C	54°C	53°C	75°C	73°C	70°C	82°C	90°C
% DECREASE	28%	30%	34%	40%	36%	39%	35%	32%	16%

M9700 LENS SURFACE TEMPERATURE ²																
	100W E17 MH			150W T6 MH			150W E17 MH			32 W TRT		70W T6 MH			100W PAR38 MH	250W PAR38 INCAN
	SP	NFL	WFL	SP	NSP	MFL	SP	MFL	WFL	SP	MFL	SP	MFL	WFL	SP	FL
SINGLE LENS	114°C	94°C	112°C	119°C	129°C	153°C	107°C	120°C	107°C	69°C	68°C	89°C	104°C	98°C	110°C	NA
DOUBLE LENS	70°C	85°C	75°C	73°C	93°C	139°C	70°C	82°C	90°C	43°C	44°C	55°C	97°C	65°C	70°C	89°C
% DECREASE	38%	10%	33%	38%	28%	39%	35%	32%	16%	38%	35%	38%	7%	34%	36%	NA

PDX Series

SLIP RESISTANCE AND LOAD RATING		
PDX4	PDX7	PDX10
MAXIMUM LOAD RATING Peak compression force of 2,048 lbs.	MAXIMUM LOAD RATING Peak compression force of 2,847 lbs.	MAXIMUM LOAD RATING Peak Compression Force of 4,944 lbs.
LENS COEFFICIENT OF FRICTION¹ PDX4 Anti-Slip Lens (FLCAS): Dry = 0.78; Wet = 0.30 PDX4 Slip Resistant Lens (FLSR): Dry = 0.68; Wet = 0.59	LENS COEFFICIENT OF FRICTION¹ PDX7 Anti-Slip Lens (FLCAS): Dry = 0.63; Wet = 0.20 PDX7 Slip Resistant Lens (FLSR): Dry = 0.81; Wet = 0.57	LENS COEFFICIENT OF FRICTION¹ PDX10 Anti-Slip Lens (FLCAS): Dry = 0.63; Wet = 0.20 PDX10 Slip Resistant Lens (FLSR): Dry = 0.81; Wet = 0.57

The Paradox™ Architectural In-grade Cool Lens model (PDX7CL & PDX10CL) utilizes a combination brass top ring, heat sink, and reflective secondary IR lens filter to reduce heat by 30% when necessary. As with the use of all luminaires in pedestrian areas, Hydrel recommends that the proper care be taken in the selection of luminaire location, lamp wattage and distribution, in order to minimize pedestrian risk.

PDX4 LENS SURFACE TEMPERATURE ³												
	20W MR16			35W MR16			50W MR16			20W MR11	35W MR11	9W LED
	SP	NSP	FL	SP	NSP	FL	SP	NSP	FL	NFL	SP	MFL
PDX4 LENS	79.5°C	77.5°C	81°C	122.8°C	119°C	123°C	134°C	131°C	148°C	87°C	113°C	33°C

PDX7 LENS SURFACE TEMPERATURE ³																		
	20W T4 MH			35W T4 MH			70W T4 MH			36 W T6 MH			70W T6 MH			70W PAR30 MH	70W PAR30 INCAN	75W MR16
	NSP	SP	MFL	NSP	SP	MFL	NSP	SP	MFL	NSP	SP	MFL	NSP	SP	MFL	SP	MFL	MFL
PDX7 LENS	70°C	75°C	71°C	95°C	112°C	94°C	133°C	152°C	125°C	95°C	90°C	92°C	129°C	123°C	119°C	125°C	118°C	106°C
PDX7CL LENS	43°C	44°C	44°C	53°C	55°C	57°C	73°C	69°C	66°C	52°C	47.8°C	50°C	63°C	62°C	67°C	62°C	68°C	53°C
% DECREASE	39%	42%	38%	44%	51%	39%	45%	55%	47%	45%	47%	46%	51%	50%	44%	50%	42%	50%

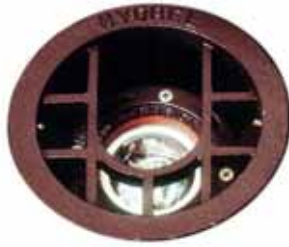
PDX10 LENS SURFACE TEMPERATURE ³																				
	70W T6 MH			150W T6 MH			100W E17 MH			150W E17 MH			100W PAR38 MH	150W PAR38 INCAN	150W E17 HPS			42W TRT FLUOR		
	SP	NFL	FL	SP	NFL	FL	SP	NFL	FL	SP	NFL	FL	MFL	MFL	SP	NFL	FL	SP	NFL	FL
PDX10 LENS	79°C	83°C	86°C	99°C	105°C	108°C	95°C	115°C	114°C	115°C	143°C	143°C	98°C	96°C	113°C	138°C	139°C	70°C	71°C	68°C
PDX10CL LENS	51°C	55°C	55°C	60°C	77°C	72°C	60°C	76°C	75°C	68°C	88°C	92°C	65°C	69°C	75°C	75°C	83°C	43°C	46°C	43°C
% DECREASE	35%	33%	36%	39%	27%	33%	37%	34%	34%	41%	40%	36%	34%	28%	34%	46%	40%	39%	35%	37%

Notes

- Per Ceramic Tile Institute: Coefficient of friction values greater than 0.6 are considered slip resistant. Coefficient of friction values between 0.50 to 0.60 are conditionally slip resistant. Coefficient of friction values less than 0.50 are questionable.
- Test performed by: SGS U.S. Testing Company Inc. Tested in accordance with ISO/ICE 17025.
- Test performed by: Spec Testing, Inc. Tested in accordance with ISO/ICE 17025.

PRODUCT INFORMATION

9310



Intended Use

The 9310 Series is designed for flush mounting in planters and open lawn areas.

Construction

Grill: Cast aluminum painted or cast bronze natural finish.

Well: Thick wall A.B.S. pipe.

Lamp housing: Cast aluminum or bronze body with fins for heat dissipation.

Electrical

Lamp type: Incandescent – PAR20, 50W max. Low voltage – MR16, 50W max. HID – PAR20 HID, T4, 35W max.

Conduit entry: Interconnecting conduit shall be 1/2" galvanized pipe, with brass cord seal.

Listings

U.L., CSA.

Visit www.hydel.com for color changing LED specifications.



ORDERING INFORMATION

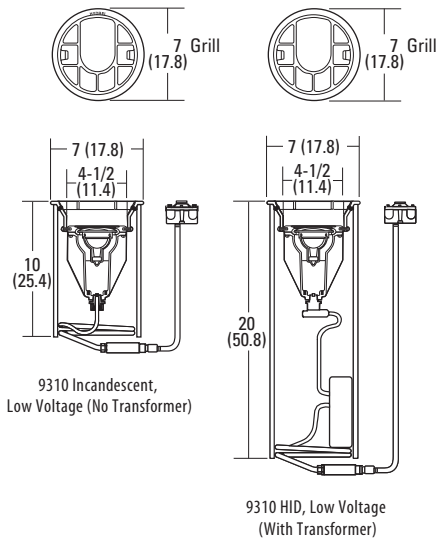
Example: 9310 B M50 120 NSP 34B LC LP

Series	Material	Lamp type	Voltage	Distribution ⁴	Conduit entry	Grill	Options	Lamped	Finish ⁶		
9310	A Aluminum	Low voltage	Ceramic metal halide	12 ²	NSP Narrow spot	12B 1/2" NPT bottom	Ballast GEB Electronic ballast ⁵	LP Lamp installed	BL Black BZ Bronze DDB Dark bronze DNA Natural aluminum GN Green GR Gray SND Sand		
		M20	20CMT ⁴	120	SP Spot	34B 3/4" NPT bottom ⁸				STG Steel gray TVG Terra verde green WH White CF Custom	
	B Bronze	M35	20CMT ⁴	208	NFL Narrow flood	LC Lexan cover				LP Lamp installed	BL Black BZ Bronze DDB Dark bronze DNA Natural aluminum GN Green GR Gray SND Sand
		M50	35CMT ^{4,7}	220	FL Flood						
		Incandescent	P2035CM ^{1,7}	240	MFL Medium flood						
		P2035I	277	WFL Wide flood							
		P2050I	347	MVOLT ³							

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Requires GEB ballast option.
- Transformer sold separately.
- MVOLT is standard on all metal halide lamps.
- Not all distributions available on all lamp types.
- Electronic ballasts are only available with metal halide lamps and MVOLT voltage.
- Finish available on aluminum fixtures only.
- T4 lamps only available with SP and MFL distribution.
- Default conduit entry.

9330 9335



Intended Use

The 9330 Series is designed for flush mounting in planter, tree grates or open lawn areas. The 9335 Series is designed for mounting in standard Neenah tree grates.

Construction

Grill: Cast aluminum or bronze; locks to well with two set screws. Full eggcrate louver or directional eggcrate louver square grills and directional louver or clear

polycarbonate cover round grills are available. Eggcrate directional louvers provide 30° cut-off.

Lamp module housing: Stainless steel, sealed and purged of all moisture to 100°F (38°C) and mounted integral with grill. Angular adjustment up to 15°. Electrical access to lamp module is done through submersible rated connector. Thermally protected. Lamp included.

Well: Thick wall polypropylene pipe.

Optics

Lens: Tempered glass lens. Convex lens clear (CLC) is standard. Convex lens frosted (CLF) also available.

Electrical

Power module: Sealed unit encapsulated in an engineered composite resin to eliminate all water entry.

Conduit entry: Two 3/4" NPT openings in the bottom of the junction box 25 cubic inches of volume suitable for through-branch wiring. Fixture/junction box connecting conduit is 1/2" galvanized pipe with brass cord seal.

Listings

U.L., CSA, IP67.



Visit www.hydel.com for color changing LED specifications.

ORDERING INFORMATION

Example: 9330 B P3070CM MVOLT SP CLC 34B DL ASR GEB LP

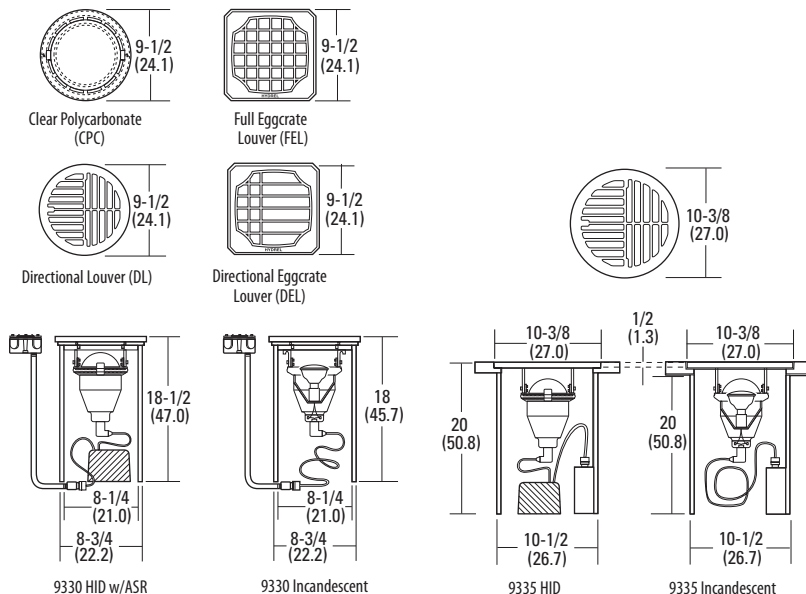
Series	Material	Lamp type	Voltage	Distribution ⁶	Lens	Conduit entry
9330	A Aluminum ²	<u>Low voltage</u>	<u>Ceramic metal halide</u>	<u>High pressure sodium</u>	12 ³	NSP Narrow spot ¹²
9335	B Bronze	M20	100CM	50S	120	SP Spot
		M75	P2035CM	70S	208 ⁴	MFL Medium flood
		P3636ILV	P3035CM	100S	240	NFL Narrow flood
		P3650ILV	P3070CM		277	FL Flood
		<u>Incandescent¹</u>	<u>Metal halide</u>		347	WFL Wide flood ¹²
		P2050I	50M		MVOLT ⁵	
		P3050I	70M			
		P3075I	100M			

Grill	Options	Lamped	Finish ¹⁰
DEL Directional eggcrate louver (square) ²	<u>Internal accessories</u>	LP Lamp installed	BL Black
FEL Full eggcrate louver (square) ²	ASR Aim set ring ²		BZ Bronze
DL Directional louver (round)	IHL Internal honeycomb louver ¹¹		DDB Dark bronze
CPC Clear polycarbonate (round) ²	<u>Fusing</u>		DNA Natural aluminum
	SF Single fuse ⁷		GN Green
	DF Double fuse ⁸		GR Gray
			SND Sand

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Incandescent models available with 120V only.
- 2 Not available with 9335.
- 3 Transformer sold separately.
- 4 208V not available with low-voltage fixtures.
- 5 Only available with GEB option.
- 6 Not all distributions available with all lamp types. Check lamp manufacturers specification.
- 7 SF available with 120V, 277V or 347V with HID only.
- 8 DF available with 208V, 220V or 240V with HID only.
- 9 Electronic ballasts are only available with metal halide lamps and MVOLT voltage.
- 10 Finish available on aluminum fixtures only.
- 11 Not available with MH, HPS or P30I WFL.
- 12 WFL and NSP are only available with incandescent, PAR and MR16 lamps.

PRODUCT INFORMATION

9350



Intended Use
Uplighting of trees, shrubs, terraces or walls from a flat lawn area. The units are completely weatherproof, designed for installation in damp areas.

Construction
Well: Thick wall polypropylene pipe for higher wattages.

Grill: Cast aluminum or bronze. Locks to well with two set screws. Full eggcrate louver or directional eggcrate louver square grills and directional louver or clear

polycarbonate cover round grills are available. Eggcrate directional louvers provide 30° cut-off.

Lamp module housing: Stainless steel, sealed and purged of all moisture to 100°F (38°C) and mounted integral with grill. Angular adjustment up to 15°. Electrical access to lamp module is done through submersible rated connector.

Thermally protected. Lamp included.

Optics
Lens: Tempered glass lens. Convex lens clear (CLC) is standard. Convex lens frosted (CLF) also available.

Electrical
Power module: Sealed unit encapsulated in an engineered composite resin to eliminate all water entry. High power factor ballast.

Conduit entry/junction box: Two 3/4" NPT. 25 cubic inches of volume suitable for through-branch wiring. Fixture/J-box connecting

conduit is 1/2" galvanized pipe with brass cord seal. IJB (internal junction boxes) also are available.

Listings
U.L., C.E., CSA, IP67, NEMKO.

Visit www.hydel.com for monochromatic LED specifications.



Example: 9350 A 100M 120 FL CLC 34B DEL ASR LP TVG

ORDERING INFORMATION

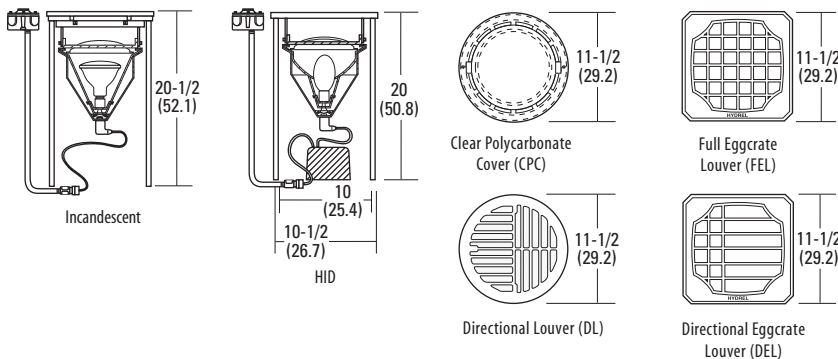
Series	Material	Lamp type	Voltage	Distribution	Lens	Conduit entry	
9350	A Aluminum	Quartz ¹	Ceramic metal halide	150M	120	SP Spot	34B 3/4" NPT bottom
		100Q	70CM	P38150M	208	FL Flood	
	B Bronze	150Q	100CM	High pressure sodium	240		
		250Q	150CM	70S	277		
		Incandescent ¹	P3870CM	100S	347		
		P38100I	Metal halide	150S	MVOLT ²		
		P38150I	70M				
			100M				
			P38100M				

Grill	Options	Lamped	Finish ⁸
DEL Directional eggcrate louver (square)	<u>Internal accessories</u>	LP Lamp installed	BL Black
FEL Full eggcrate louver (square)	IJB Internal junction box		BZ Bronze
DL Directional louver (round)	ASR Aim set ring		DDB Dark bronze
CPC Clear polycarbonate (round) ⁴	IHL Internal honeycomb louver		DNA Natural aluminum
	<u>Fusing</u>		GN Green
	SF Single fuse ⁵		GR Gray
	DF Double fuse ⁶		SND Sand
	<u>Ballast</u>		
	GEB Electronic ballast ^{2,7}		STG Steel gray
			TVG Terra verde green
			WH White
			CF Custom

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Only available in 120V.
- 2 MVOLT is standard if GEB is selected on metal halide lamps.
- 3 CLC is the default if lens option is not chosen.
- 4 100W max. for all lamp types.
- 5 SF available with 120V, 277V or 347V only.
- 6 DF available with 208V or 240V only.
- 7 Electronic ballasts only are available with metal halide lamps.
- 8 Finish available on aluminum fixture only.

PRODUCT INFORMATION

Intended Use

Hydrel's Model 9360DO, is a bronze well light, incorporating some of the internal components of our M9400 Series. This fixture features drive-over capacities, capable of supporting a wide variety of vehicle types and loads.

The soils engineer or pavement designer must properly design this fixture into the supporting soil, subbase and finishing surface. A properly designed pavement section

could support the fixture for vertical and lateral loads up through AASHTO HS20 (20-ton truck; 16000 lbs. per wheel load @ 15 miles per hour). The smaller fixture footprint allows for placement in tight areas.

Construction

Rough-in section: Cast bronze frame with stainless steel well.

Lamp module: Stainless steel, sealed and purged of all moisture to 100°F. Electrical access to lamp module is done through

submersible rated connector. Thermally protected.

Optics

Lens: Tempered clear flat borosilicate glass.

Electrical

Power module: Sealed unit encapsulated in an engineered composite resin to eliminate all water entry.

LED driver is encapsulated in a custom-designed heat-dissipating epoxy resin that also eliminates all moisture intrusion. Module is provided

with submersible rated cord leads for connection to integral junction box and lamp module.

Conduit entry: Bottom openings are available in the cast bronze junction box. Suitable for through-branch wiring.

9360DO

Drive-Over Flush-Mounted Uplight



ORDERING INFORMATION

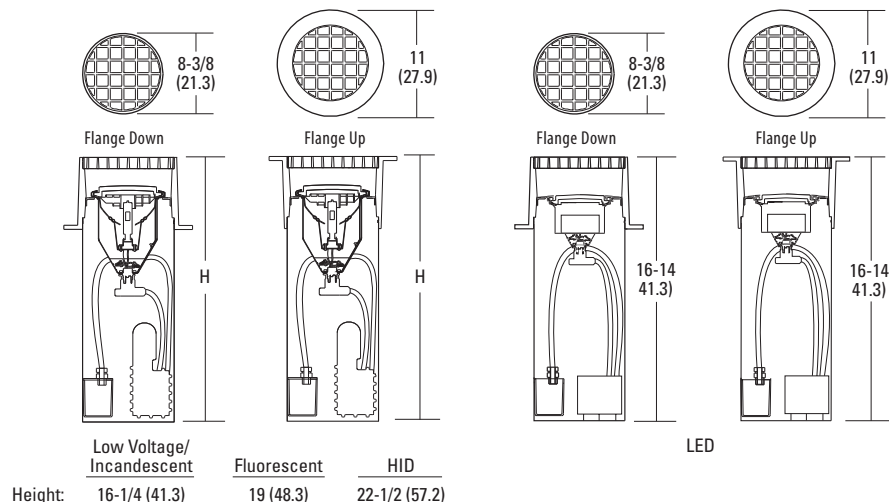
Example: 9360DO DN B 70CMT6 120 NSP FLC 34B LP

Series	Orientation	Material	Lamp type	LED color	
9360DO Drive-over capacity	UP Flange up	B Bronze	LED ¹⁰	CLW Cool white CLWHO Cool white - high output WMW Warm white AMB Amber BLU Blue CYN Cyan GRN Green RED Red RBL Royal blue	
	DN Flange down		12LED 12W Low voltage M50 MR16, GX5.3 M75 MR16, GX5.3 P3650ILV PAR36, screw terminal P3675ILV PAR36, screw terminal		
			Incandescent ¹ P2050I PAR20, medium P3050I PAR30, medium P3075I PAR30, medium 100Q T4, mini-can Fluorescent ⁸ 18TRT Triple tube, GX24q2 26TRT Triple tube, GX24q3 32TRT Triple tube, GX24q3		
			MH 20CMT4 T4, G8.5 ² 35CMT4 T4, G8.5 ² 35CMT6 T6, G12 ⁹ 70CMT4 T4, G8.5 ² 70CMT6 T6, G12 ⁹ P2035CM PAR20, medium P3035CM PAR30, medium P3070CM PAR30, medium		
► Voltage	Distribution	Lens	Conduit entry	Options ¹¹	Lamped
12 ³	NSP Narrow spot ¹¹	FLC Flat lens clear	34B 3/4" NPT bottom	Fusing ⁵ SF Single fuse DF Double fuse Ballast GEB Electronic ballast ⁶	LP Lamp installed
120	SP Spot				
208	NFL Narrow flood ¹¹				
220	MFL Medium flood				
240	FL Flood ¹¹				
277	WFL Wide flood				
347	WWD Wall wash ^{7,11}				
MVOLT ⁴	LSD Linear Spread ¹²				

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Incandescent models available with 120V only.
- 2 Lamps available with GEB electronic MVOLT (120V-277V) ballast only.
- 3 Available for low-voltage lamps only. Remote 12V power supply required.
- 4 MVOLT is standard on all fluorescent lamps and metal halide lamps with GEB ballast option.
- 5 SF only valid with 120V, 277V or 347V. DF only valid with 208V, 220V, or 240V.
- 6 Only valid with metal halide lamps.
- 7 WWD only valid with T4 lamps and fluorescent lamps.
- 8 Only available with WWD, ASY or MFL distributions.
- 9 Only available with NSP or MFL distributions.
- 10 Only available with MVOLT.
- 11 Not available with LED.
- 12 Only valid with LED.

PRODUCT INFORMATION

7000



Intended Use

The 7000 Series floodlight is a compact, high-performance outdoor fixture used for facade and landscape lighting.

Construction

Material: Die-cast aluminum housing and door.

Finish: Polyester powder coated in a range of textured or semi-matte finishes.

Fasteners: Stainless steel.

Weight: 20 lbs.

EPA: 0.64.

Optics

Lens: Flat tempered glass.

Reflector: High-purity anodized specular, semi-specular or patterned lighting sheet in various configurations designed to provide maximum performance and uniformity.

Electrical

Lamp: Incandescent – T4, mini-can to 100W. Fluorescent – TRT triple-tube lamps to 42W. HID – T6, G12 to 70W; E17 medium-base to 70W.

Note: All lamps must be rated for "Universal Burning Position" because fixture tilt changes lamp orientation.

Socket – Incandescent – Mini-can screw base. Fluorescent – 4-pin, GX24Q base. HID – G-12, medium, or E27 base pulse-rated 4KV.

Electrical components: Integrally mounted ballasts rated for low temperatures.

Listings

U.L., C.U.L., IP65, suitable for wet locations.

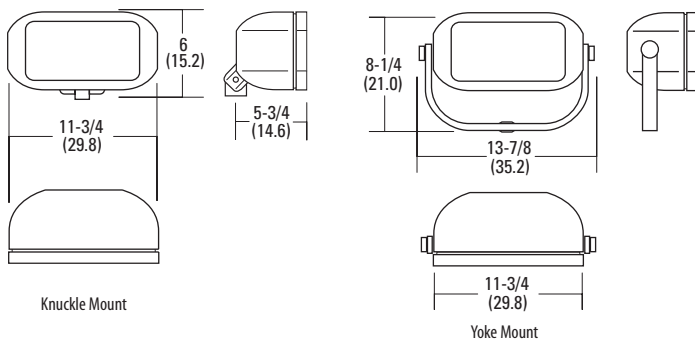
ORDERING INFORMATION

Example: 7000 70M 120 FL YM SMSA18 BD LPI BL

Series	Lamp type	Voltage	Distribution	Mounting	Mounting accessories	
7000	<u>Incandescent</u> ¹	<u>Metal halide</u>	<u>High pressure sodium</u>	120	TSP Tight spot ³	KM Knuckle mount YM Yoke mount See page 664.
	100Q T4, MC	50M E17, medium	35S E17, medium ¹	208	NHSP Narrow horizontal spot ³	
	<u>Fluorescent</u> ²	70M E17, medium	50S E17, medium	240	MFL Medium flood ³	
	26TRT GX24Q-3	<u>Ceramic metal halide</u>	70S E17, medium	277	FL Flood ⁴	
	32TRT GX24Q-3	70CM E17, medium		347		
	42TRT GX24Q-3	35CMT6 T6, G12		120/277		
		70CMT6 T6, G12		MVOLT ²		
				TB		
Options		Lamped	Finish			
<u>Internal accessories</u> ⁸		LPI Lamp included	BL Black	STG Steel gray		
ISS Internal source shield ⁵	<u>External accessories</u> ⁸		BZ Bronze	TVG Terra verde green		
IHL Internal honeycomb louver ^{6,7}	BD Barn doors		DDB Dark bronze	WH White		
CFAMB Color filter amber ⁷	GS Glare shield		DNA Natural aluminum	CF Custom		
CFRED Color filter red ⁷			GN Green			
CFBLU Color filter blue ⁷			GR Gray			
CFGRN Color filter green ⁷			SND Sand			

ADDITIONAL INFORMATION For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available in 120V only.
 - 2 MVOLT is the standard voltage for fluorescent lamps.
 - 3 Available with T6 and T4 lamps only.
 - 4 Available with E17 and TRT lamps only.
 - 5 Available with TSP and MFL distributions only.
 - 6 Available with FL distribution only.
 - 7 Not available with NHSP.
 - 8 Accessories are mutually exclusive. Choose one.
- *Mounting not included.

7100



Intended Use

The 7100 Series floodlight is a compact, high-performance outdoor fixture used for facade and landscape lighting.

Construction

Material: Die-cast aluminum housing and door.

Finish: Polyester powder coated in a range of textured or semi-matte finishes.

Fasteners: Stainless steel.

Weight: 37 lbs.

EPA: 1.27.

Optics

Reflector: High-purity anodized specular, semi-specular, patterned lighting sheet in various configurations designed to provide maximum performance and uniformity.

Lens: Flat tempered glass standard.

Electrical

Lamp: Incandescent – T3, RSC quartz to 500W; T4, mini-can to 250W. HID – T6, G12 to 150W, E17 medium-base to 150W; elliptical, E27 to 150W.

Note: All lamps must be rated for "Universal Burning Position" because fixture tilt changes lamp orientation.

Socket: Incandescent – Recessed single contact (RSC), mini-can screw base. HID – G12, medium or E27 base pulse-rated 4KV.

Electrical components: Integrally mounted ballasts rated for low starting temp.

Installation

Mounting: Knuckle or yoke mounted (180° vertical,

360° rotation); fixed mounted for ceiling or wall. Knuckle mount – Die-cast aluminum with 3/4" NPT galvanized nipple standard. Yoke mount – Aluminum with 10' of 18-3 STW flexible cord polymer. Yoke mount caps have black finish.

Listings

U.L., C.U.L., IP65, suitable for wet locations.

ORDERING INFORMATION

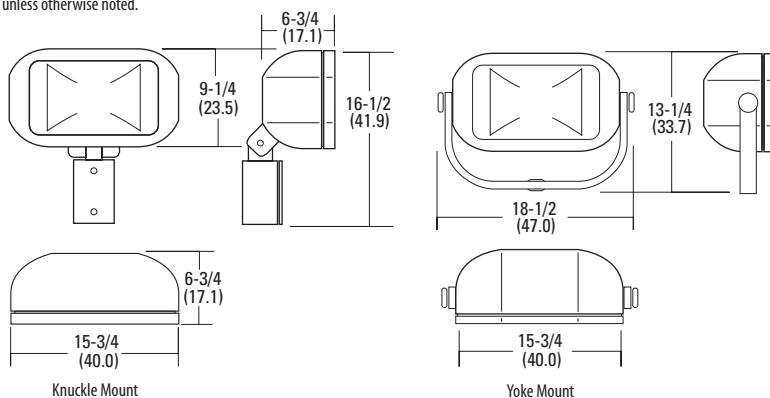
Example: 7100 150M 120 VFL KM WMSA BD SF LPI BL

Series	Lamp type			Voltage	Distribution	Mounting	Mounting accessories		
7100	<u>Incandescent</u>								
	250Q	T4, MC		120	NSP Narrow spot ¹	KM Knuckle mount	See page 664.		
	300Q	T3, RSC		208	NHSP Narrow horizontal spot ²	YM Yoke mount			
	400Q	T3, RSC		220	SP Spot				
	500Q	T3, RSC		240	HSP Horizontal spot				
	<u>Metal halide</u>								
	70M	E17, medium		277	HFL Horizontal flood ²				
	100M	E17, medium		347	VFL Vertical flood				
	150M	E17, medium		120/277	WFL Wide flood				
				TB					
Options						Lamped		Finish	
<u>Internal accessories</u>			<u>External accessories⁴</u>		<u>Re-strike</u>		LPI Lamp included		
ISS	Internal source shield ³	BD	Barn doors	QRS	Quartz emergency re-strike ballast ⁸	BL	Black	STG	Steel gray
CFAMB	Color filter amber	GS	Glare shield ⁵	QRSTD	Quartz emergency re-strike time delay ⁸	BZ	Bronze	TVG	Terra verde green
CFRED	Color filter red	LC	Polycarbonate cover ⁵	<u>Photo control</u>		DDB	Dark bronze	WH	White
CFBLU	Color filter blue	<u>Fusing</u>		PE	Photo eye	DNA	Natural aluminum	CF	Custom
CFGRN	Color filter green	SF	Single fuse ⁶			GN	Green		
		DF	Double fuse ⁷			GR	Gray		
						SND	Sand		

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available with 70CMT6, 150CMT6 and 250Q lamps only.
- 2 Not available with RSC base lamps.
- 3 Not available with VFL or WFL distributions.
- 4 Accessories are mutually exclusive. Choose one.
- 5 Not available with CM mounting.
- 6 Available with 120V, 277V or 347 HID only.
- 7 Available with 208V, 220V or 240V HID only.
- 8 Not available with NSP, WFL and HSP distribution.

PRODUCT INFORMATION

7200

400W max.



Intended Use

The 7200 Series floodlight is a high-performance fixture used for facade and area lighting.

Construction

Material: Die-cast aluminum housing and door.

Finish: Polyester powder coated in a range of textured semi-matte finishes.

Fasteners: Stainless steel.

Weight: 50 lbs.

EPA: 3.00.

Optics

Reflectors: High-purity anodized specular, semi-specular, or patterned lighting sheet in various configurations designed to provide optimum optical performance. Reflectors are interchangeable using four screws and quick-release electrical connectors (with the exception of spot reflectors). Reflectors include both segmented and hydroformed types to provide maximum performance and uniformity.

Lens: Flat tempered glass.

Electrical

Lamp: HID to 400W.

Socket: Porcelain mogul base rated 5KV.

Electrical components: Integrally mounted ballasts rated for low temperatures.

Installation

Mounting: Knuckle or yoke mounted (180° vertical, 360° rotation) on pole, stanchion, wall or tenons.

Listings

U.L., C.U.L., IP65, suitable for wet locations.

ORDERING INFORMATION

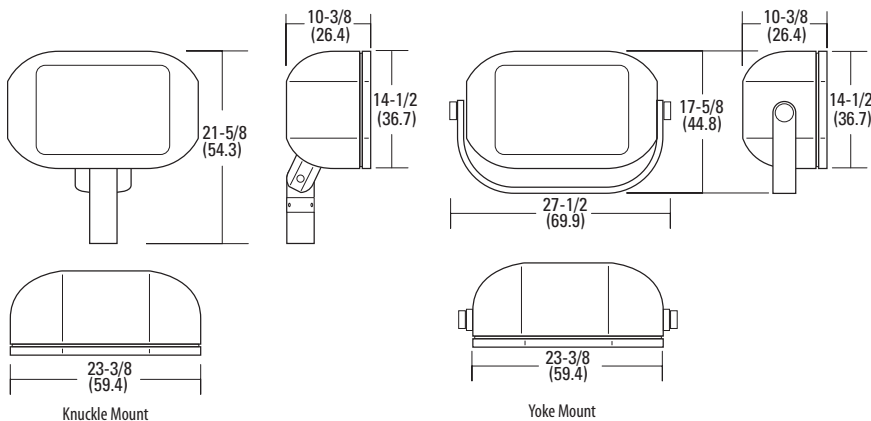
Example: 7200 400M 277 WFL KM EWM24 SCWA LPI BZ

Series	Lamp type	Voltage	Distribution	Mounting	Mounting accessories	Options
7200	Metal halide ¹	120	NHSP Narrow horizontal spot	KM Knuckle mount	See page 664.	<p><u>Internal accessories</u></p> <p>ISS Internal source shield³</p> <p>CFAMB Color filter amber</p> <p>CFRED Color filter red</p> <p>CFBLU Color filter blue</p> <p>CFGRN Color filter green</p> <p><u>External accessories⁴</u></p> <p>BD Barn doors</p>
	200M ^{2, 11}	208	SP Spot	YM Yoke mount		
	250M	240	HSP Horizontal spot			
	320M ¹²	277	HFL Horizontal flood			
	350M ^{2, 12}	347	VFL Vertical flood			
	400M	120/277	WFL Wide flood			
	<u>High pressure sodium</u>	TB				
250S						<p><u>Fusing</u></p> <p>SF Single fuse⁶</p> <p>DF Double fuse⁷</p> <p><u>Receptacle</u></p> <p>PER Photocell receptacle⁸</p>
400S						
Options (continued)			Lamped		Finish	
<u>Ballast</u>			LPI Lamp included		BL Black	
SCWA	Super CWA pulse start ¹⁰		LPIH Lamp included (horizontal burn) ¹²		BZ Bronze	STG Steel gray
<u>Re-strike</u>			LPIV Lamp included (vertical burn) ^{11, 12}		DDB Dark bronze	TVG Terra verde green
QRS	Quartz emergency re-strike ballast ⁹				DNA Natural aluminum	WH White
					GN Green	CF Custom
					GR Gray	
					SND Sand	

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Available only with SCWA ballast.
- 200M and 350M are not available with SP distribution.
- Not available with WFL distribution.
- Accessories are mutually exclusive. Choose one.
- EGL accessory available in matte black finish only.
- Available with 120V, 277V or 347V HID only.
- Available with 208V, 240V or 480V HID only.
- NEMA twist-lock receptacle only; photocontrol by others.
- Not available with TB, NHSP, SP, WFL or HSP.
- Required on 200M, 250M, 320M, 350M or 400M.
- LPIV required on 200M.
- LPIH or LPIV required on 320M or 350M.

7200

1000W max.



Intended Use

The 7200 Series flood is designed for use in facade and area lighting.

Construction

Material: Die-cast aluminum housing and door.

Finish: Polyester powder coated in a range of textured or semi-matte finishes.

Fasteners: Stainless steel.

Weight: 40 lbs. Head only; does not include ballast.

EPA: 3.00.

Optics

Reflectors: High-purity anodized specular, semi-specular or patterned lighting sheet in various configurations to provide optimum optical performance. Reflectors are interchangeable using four screws and quick-release electrical connectors (with the exception of spot reflectors). Reflectors include both segmented and hydroformed types to provide maximum performance and uniformity.

Lens: Flat tempered glass.

Electrical

Lamp: HID to 1000W.

Socket: Porcelain mogul base rated 5KV.

Electrical components: Externally mounted ballasts rated for low starting temp. Ballast box must be specified.

Listings

U.L., C.U.L., IP65, suitable for wet locations.

ORDERING INFORMATION

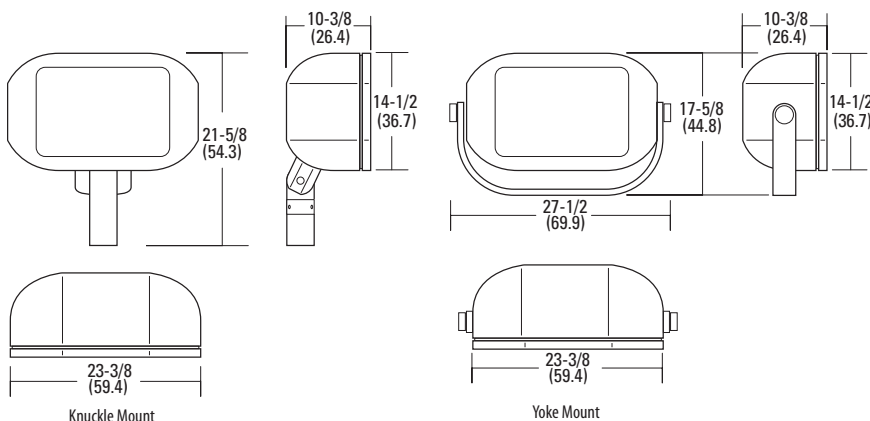
Example: 7200 1000M 120 VFL KM SMB GS LPI BZ

Series	Lamp type	Voltage	Distribution	Mounting	Mounting accessories ¹	Options
7200	750M ¹²	120	NHSP Narrow horizontal spot	KM Knuckle mount	SMB Surface mounted ballast	<u>Internal accessories</u>
	1000M	208	SP Spot	YM Yoke mount	SMBEWM SMB extended wall mount	ISS Internal source shield ⁴
	1000S	240	HSP Horizontal spot		SMBPMT Pole mount tee ²	<u>External accessories⁵</u>
		277	HFL Horizontal flood		SMBSMSA SMB stanchion mount	BD Barn doors
		347	VFL Vertical flood		SMBSMT SMB stanchion mount tee ²	GS Glare shield
		120/277	WFL Wide flood		SMBTNM SMB tenon mount ³	EGL Ext. grid louver ⁶
		TB			SMBR SMB remote mount	
Options (continued)			Lamped	Finish		
<u>Fusing</u>			LPI Lamp included	BL Black	STG Steel gray	
SF	Single fuse ⁷			BZ Bronze	TVG Terra verde green	
DF	Double fuse ⁸			DDB Dark bronze	WH White	
<u>Photocontrol</u>				DNA Natural aluminum	CF Custom	
PER	Photocell receptacle ⁹			GN Green		
<u>Ballast</u>				GR Gray		
SCWA	Super CWA pulse-start ¹¹			SND Sand		
<u>Re-strike</u>						
QRS	Quartz emergency re-strike ballast ¹⁰					

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



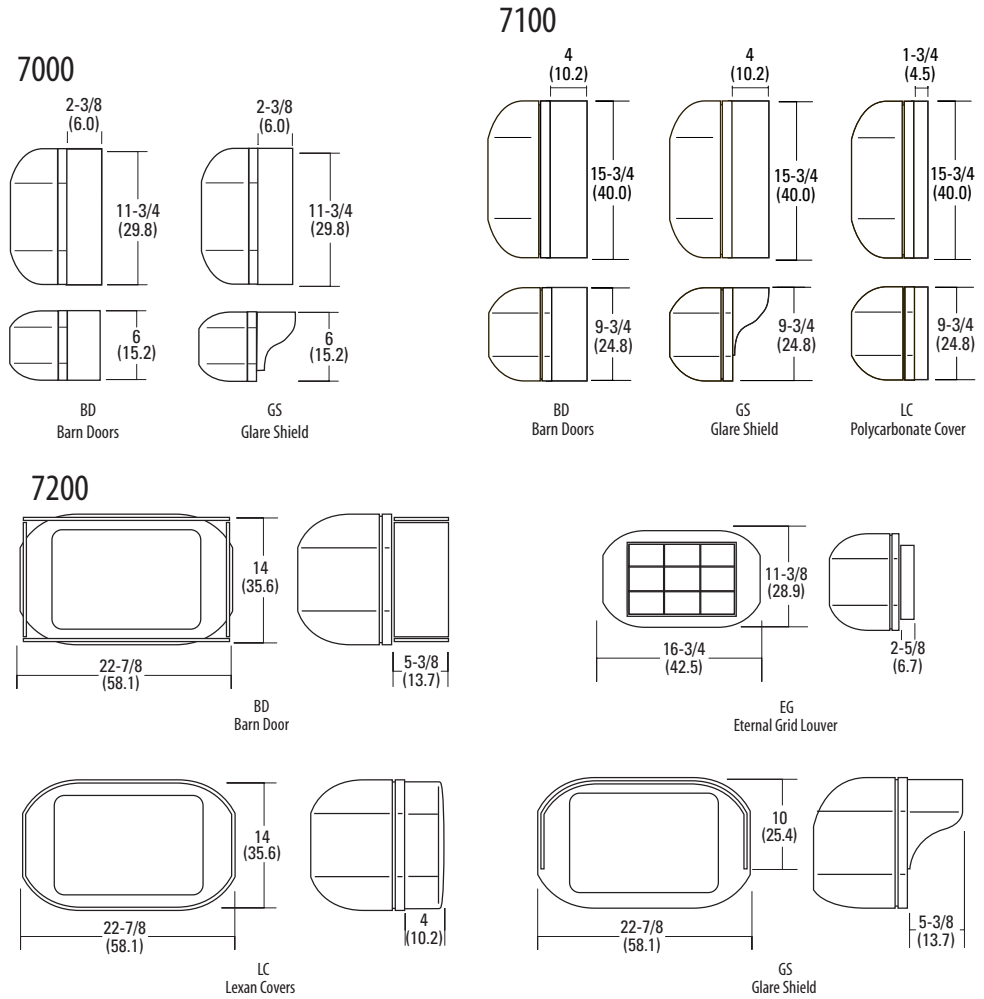
Notes

- 1 If not selected, fixture will ship less ballast.
- 2 Two fixtures per mount.
- 3 For use with KM only.
- 4 Not available with WFL distribution.
- 5 Accessories are mutually exclusive. Choose one.
- 6 EGL available in matte black finish only.
- 7 Available with 120V, 277V or 347V only.
- 8 Available with 208V or 240V only.
- 9 NEMA twist-lock receptacle only; photocontrol by others.
- 10 Not available with 480V or TB, NHSP, SP, WFL or HSP distribution.
- 11 SCWA required in 750M, optional om 1000M.
- 12 750M not available with SP or HFL distribution.

PRODUCT INFORMATION

7000 SERIES

Accessories



MOUNTING ACCESSORIES³

SERIES	TYPE	MOUNT	NOM.	N/A	ARJB	FJB	PMSA	PMT	SMSA	HYDSMDB	TRJB	EWM	TNM	PAR	PAS	PATR	PATS	SMB	SMBEWM	SMBSMSA	SMBSMT	SMBPMT	SMBTNM	SMBR	
7000	Adjustable	Knuckle	KM		■	■	■	■ ¹	■ ²		■	■ ²		■ ²	■ ²	■ ^{1,2}	■ ^{1,2}								
7000	Adjustable	Yoke	YM		■	■	■	■ ¹	■ ²		■	■ ²		■ ²	■ ²	■ ^{1,2}	■ ^{1,2}								
7100	Adjustable	Knuckle	KM		■	■	■	■ ¹	■ ²		■	■ ²		■ ²	■ ²	■ ^{1,2}	■ ^{1,2}								
7100	Adjustable	Yoke	YM		■	■	■	■ ¹	■ ²		■	■ ²		■ ²	■ ²	■ ^{1,2}	■ ^{1,2}								
7100	Fixed	Wall Side/Down/Up	WMS/WUS	■																					
7100	Fixed	Ceiling	CM	■																					
7200 400W	Adjustable	Knuckle	KM		■		■	■ ¹	■ ²	■		■ ²	■	■ ²	■ ²	■ ^{1,2}	■ ^{1,2}								
7200 400W	Adjustable	Yoke	YM		■		■	■ ¹	■ ²	■		■ ²		■ ²	■ ²	■ ^{1,2}	■ ^{1,2}								
7200 1000W	Adjustable	Knuckle	KM															■	■	■	■ ¹	■ ¹	■	■	
7200 1000W	Adjustable	Yoke	YM															■	■	■	■ ¹	■ ¹	■	■	

ARJB	Architectural junction box	SMSA	Stanchion mount	TNM	Tenon mount	PATS	Pole arm twin square	SMBSMT	SMB stanchion tee mount
FJB	Flush mount junction box	HYDSMDB	Stanchion mount direct burial	PAR	Pole arm round	SMB	Surface mounted ballast	SMBPMT	SMB pole mount tee
PMSA	Pole mount	TRJB	Tree mount junction box	PAS	Pole arm square	SMBEWM	SMB extended wall mount	SMBTNM	SMB tenon mount
PMT	Pole mount tee	EWM	Extended wall mount	PATR	Pole arm twin round	SMBSMSA	SMB stanchion mount	SMBR	SMB remote mount

Notes

- Two fixtures per mounting.
- Multiple lengths available, consult specification sheets.
- For more mounting information, see pages 669 and 676-677.

8100



Intended Use

The 8100 Series is a high-performance compact precision lighting system that provides consistent styling with a variety of light distributions. Multiple optical systems provide a wide range of precise light control. For use in facade, area and pathway lighting.

Construction

Material: Die-cast, copper-free aluminum (A360) housing and doors.

Finish: Textured TGIC powder coat polyester finish.

Weight: 26.5 lbs. max.

EPA: 1.41.

Optics

Reflector: High-purity anodized specular, semi-specular or patterned lighting sheet in various configurations to provide optimum optical performance and uniformity.

Lens: Flat tempered glass for maximum resistance to impact and thermal shock.

Electrical

Lamp: ED17 medium-base to 150W, T6, G12 base to 150W;

quartz T4 mini-can base to 250W.

Ballast: High power factor magnetic core and coil standard. Electronic ballast optional.

Installation

Mounting: AWM – cast aluminum wall mount plate for mounting over 4-0/4-5 recessed J-box. AWMDE – surface conduit direct entry available for through-branch wiring; 3/4" NPT drilling standard. PM – steel mounting plates for attachment to pole using a unique block/receiver assembly. The block bolts

to a pole and engages the receiver within the 8100 integral arm. A single threaded locking fastener secures the fixture to pole. YM – 1-1/2" wide aluminum yoke, 15° up/down adjustment and stainless steel locking hardware allows fixture head to easily be aimed and fixed in place. Fixtures are provided with a minimum of 10' of 18/3 STW cord for power supply.

Listings

U.L., C.U.L., IP67.

Example: 8100 150M MVOLT NFL YM SMSA18 BD GEB LPI BL

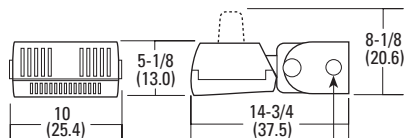
ORDERING INFORMATION

Series	Lamp type	Voltage	Distribution	Mounting	Mounting accessories			
8100	<u>Incandescent</u>	<u>Metal halide</u>	<u>High pressure sodium</u>	120	<u>Floodlights</u> ³	<u>Area lights</u>	AWM Adj. wall mount	See page 668.
	100Q T4, mini can	50M ED17, medium	50S ED17, medium	208	NSP Narrow spot ⁴	SR2 IES type II	AWMDE Adj. wall mount, direct entry	
	150Q T4, mini can	70M ED17, medium	100S ED17, medium	240	SP Spot	SR3 IES type III	YM Yoke mount	
	250Q T4, mini can	100M ED17, medium	150S ED17, medium	277	NFL Narrow flood	SR4SC IES type IV	PMEF Pole mount flat, square pole	
	<u>Fluorescent</u> ¹	150M ED17, medium		347	MFL Medium flood	SR5S IES type V	PME3 Pole mount 3" diameter, round pole	
	42TRT G24Q-3	<u>Ceramic metal halide</u>		120/277	FL Flood		PME4 Pole mount 4" diameter, round pole	
	2/42TRT G24Q-3	70CMT6 T6, G12		TB	WFL Wide flood			
		150CMT6 T6, G12		MVOLT ²	VWFL Vertical wide flood ⁵			
Options				Lamped	Finish			
<u>Internal accessories</u>		<u>External accessories</u> ⁷		<u>Fusing</u>		LPI Lamp included	BL Black	STG Steel gray
ISS Internal source shield ⁶	BD Barn doors	SF Single fuse ¹⁰				BZ Bronze	TVG Terra verde green	
LSF Linear spread filter	FGS Full glare shield	DF Double fuse ¹¹				DDB Dark bronze	WH White	
VSF Vertical spread filter	HGS Half glare shield	<u>Ballasts</u>				DNA Natural aluminum	CF Custom	
CFAMB Color filter amber	HS House side shield ⁸	GEB Electronic ballast ¹²				GN Green		
CFRED Color filter red	WRG Wire rock guard	MLEBAD Electronic analog dimming ^{12,13}				GR Gray		
CFBLU Color filter blue	<u>Photocontrol</u>	EL N Battery backup (for (2) 42TRT only) ⁵				SND Sand		
CFGRN Color filter green	PER Photocell ⁹	EL NICE Battery backup for operation in low temperature conditions (for (2) 42TRT only) ⁵						

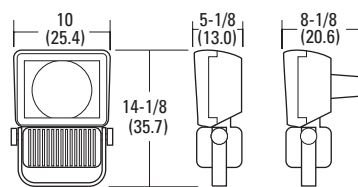
ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

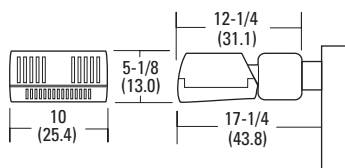
Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



D.E. (direct entry)
Adjustable Wall Mount



Yoke Mount



Pole Mount

Notes

- Available with flood (FL) distribution.
- MVOLT is standard on all fluorescent lamps (unless ELN is selected) and metal halide lamps with GEB or MLEBAD option.
- Floodlight distributions are not available with PMEFL, PME3 or PME4.
- Available for G12 and mini-can bases only. NSP = spot distribution with ISS.
- Only available with 2/42TRT.
- Not available with SR2, SR3, SR5; standard on NSP and SR4SC.
- Accessories are mutually exclusive. Choose one.
- HS only available with SR2 and SR3 distributions and not available with yoke mount.
- PE not available with yoke mount.
- SF is available with 120V, 277V or 347V on HID only.
- DF is available with 208V, 220V or 240V on HID only.
- Electronic ballasts only are available with metal halide lamps (150W max.) and MVOLT voltage.
- 0-10V dimmer not included.

PRODUCT INFORMATION

8100

Emergency Only



Intended Use
The 8100 EO Series is a high-performance emergency compact fluorescent lighting system. Recommended applications are areas along the path of egress, educational, athletic fields, health care and commercial facilities needing standby of emergency illumination. For use in facade, area and pathway lighting.

Construction
Material: Die-cast, copper-free aluminum (A360) housing and doors.
Finish: Textured TGIC powder coat polyester finish.

Weight: 25 lbs.
EPA: 1.5.
Electrical
Lamp: Two 42W Gx24q-4 base compact fluorescent lamps.
Illumination time: 90 minutes.
Total lumen output: 6400 lumens.
Test switch: Single pole.
Recharge time: 24 hours.
Operation: When the normal supply of AC power fails, the 8100 EO instantly switches to the emergency mode, keeping two compact fluorescent

lamps illuminated for a minimum of 90 minutes at full output. When AC power is restored the emergency system returns to the normal mode. Ambient temperature -20°C to 55°C with ICE option.
Charging indicator light: LED.
Input voltage: 120V or 277V, 60Hz.
Installation
Mounting: YM – 1-1/2" wide aluminum yoke and stainless steel locking hardware allows fixture head to easily be aimed and fixed in place. Fixtures are provided with a minimum of 10' of 18/3 STW

cord for power supply. AWM – Cast aluminum wall mount plate for mounting over 4-0/4-S recessed junction box. 15° up/down adjustment. AWMDE – Surface conduit direct entry available for through-branch wiring; 3/4" NPT drilling standard. PM – Steel mounting plates for attachment to pole using a unique block/receiver assembly. The block bolts to a pole and engages the receiver within the 8100 integral arm. A single threaded locking fastener secures the fixture to pole.
Listings
U.L., C.U.L., IP67.

ORDERING INFORMATION

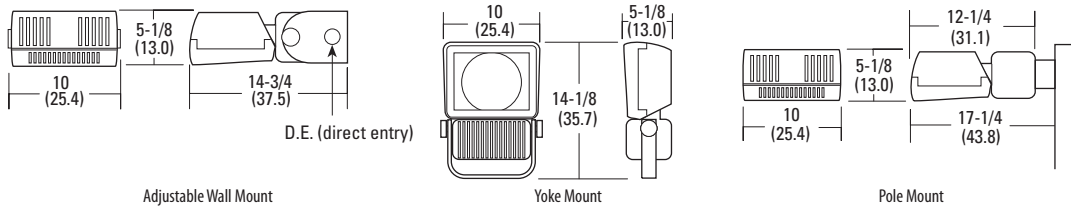
Example: 8100 EO 2/42TRT 120 FL YM LPI BL

Series	Emergency	Lamp type	Voltage	Distribution	Mounting	Mounting accessories	Options	Lamped	Finish
8100	EO	Fluorescent 2/42TRT	120 277	FL Flood	AWM Adj. wall mount AWMDE Adj. wall mount, direct entry YM Yoke mount PME3 Pole mount 3" diameter, round pole PME4 Pole mount 4" diameter, round pole	See page 668.	ICE For low-ambient conditions RTSW Remote test switch	LPI Lamp included	BL Black BZ Bronze DDB Dark bronze DNA Natural aluminum GN Green GR Gray SND Sand STG Steel gray TVG Terra verde green WH White CF Custom

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



8200



Intended Use

The 8200 Series is a high-performance precision lighting system that provides consistent styling with a variety of light distributions. Multiple optical systems provide a wide range of precise light control. For use in facade, area and pathway lighting.

Construction

Material: Die-cast, copper-free aluminum (A360) housing and doors.

Finish: Textured TGIC powder coat polyester finish (see ordering guide for available colors).

Weight: 29.5 max.

EPA: 1.45.

Optics

Reflector: High-purity anodized specular, semi-specular or patterned lighting sheet in various configurations to provide optimum optical performance and uniformity.

Lens: Flat tempered glass for maximum resistance to impact and thermal shock.

Electrical

Lamp: ED18, ED28 or T15 HID to 400W maximum. Mogul or E40 sockets.

Ballast: High power factor magnetic core and coil standard. Electronic ballast optional.

Installation

Mounting: AWM – Cast aluminum wall mount plate for mounting over 4-0/4-5 recessed junction box. 15° up/down adjustment. AWMDE: Surface conduit direct entry available for through-branch wiring; 3/4" NPT drilling standard. PM – Steel mounting plates for attachment to pole using a unique block/receiver assembly. The block bolts to a pole and engages the receiver within the 8200 integral arm.

A single threaded locking fastener secures the fixture to the pole. YM – 1-1/2" wide aluminum yoke and stainless steel locking hardware allows fixture head to be easily aimed and fixed in place. Fixtures are provided with a minimum of 10' of 18/3 STW cord for power supply.

Listings

U.L., C.U.L., IP67.

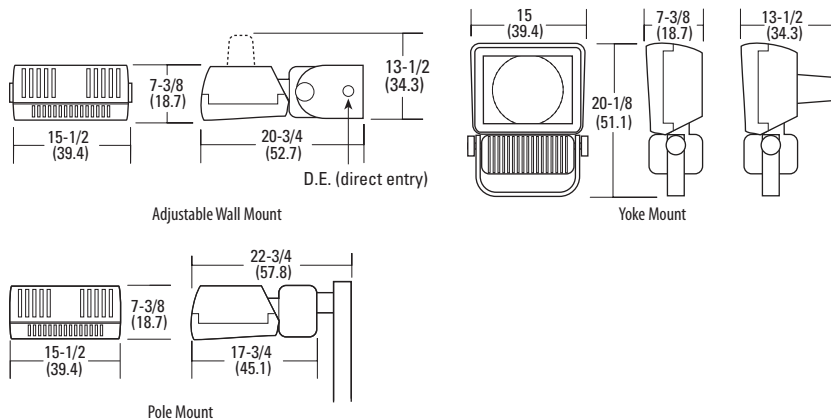
Example: 8200 250M 120 SR2 AWM HS LPI SND

ORDERING INFORMATION							
Series	Lamp type	Voltage	Distribution		Mounting	Mounting accessories	Options
8200	Metal halide ¹	120	Floodlights ³		AWM Adj. wall mount AWMDE Adj. wall mount, direct entry YM Yoke mount PMEF Pole mount flat, square pole PME3 Pole mount 3" diameter, round pole PME4 Pole mount 4" diameter, round pole	See page 668.	Internal accessories ⁵
	200M	208	SP Spot	Area lights			ISS Internal source shield ⁴
	250M	240	NFL Narrow flood	SR2 IES type II			CFAMB Color filter amber
	320M	277	MFL Medium flood	SR3 IES type III			CFRED Color filter red
	350M	347	FL Flood	SR4SC IES type IV			CFBLU Color filter blue
	400M	120/277	WFL Wide flood	SR5S IES type V			CFGRN Color filter green
	High pressure sodium ¹¹	TB	HSP Horizontal spot				External accessories ⁵
	250S	MVOLT ²	VFL Vertical flood				BD Barn doors
	400S		HFL Horizontal flood				
	Options (continued)						
External accessories ⁵ (continued)			Fusing		LPI Lamp included	Finish	
FGS Full glare shield	SF Single fuse ⁷				BL Black	STG Steel gray	
HGS Half glare shield	DF Double fuse ⁸				BZ Bronze	TVG Terra verde green	
HS House side shield ⁶	Ballasts				DDB Dark bronze	WH White	
WRG Wire rock guard	GEB Electronic ballast ⁹				DNA Natural aluminum	CF Custom	
Photocontrol	SCWA Super CWA pulse start ¹⁰				GN Green		
PER Photocell receptacle ¹²					GR Gray		
					SND Sand		

ADDITIONAL INFORMATION

For additional product information, visit www.hydre.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 SCWA standard.
- 2 MVOLT is the default if GEB is selected; only valid on metal halide lamps.
- 3 Flood light distributions not available with PMEF, PME3 and PME4 mountings.
- 4 ISS comes standard on the VFL and SR4SC distributions. ISS is not available with FL, HFL, WFL, SR2, SR3 and SR5S distributions.
- 5 Accessories are mutually exclusive. Choose one.
- 6 HS available with SR2 and SR3 distributions only.
- 7 SF is available with 120V, 277V or 347V on HID only.
- 8 DF is available with 208V, 220V or 240V on HID only.
- 9 Electronic ballasts are only available with metal halide lamps 250-400W, 208-277V only.
- 10 SCWA ballasts are required with metal halide lamps.
- 11 Not valid with SR2, SR3, SR4SC or SR5S.
- 12 NEMA twist-lock receptacle only; photocontrol by others.

PRODUCT INFORMATION

8100 & 8200 SERIES

Accessories



BD Barn doors
Four door set; each door mounts independently.



FGS Full glare shield 360° full cutoff.



HGS Half glare shield cuts upward glare.



HS House side shield cuts nuisance glare.



ISS Internal source shield eliminates lamp source glare.



WRG Wire guard for additional safety protection.

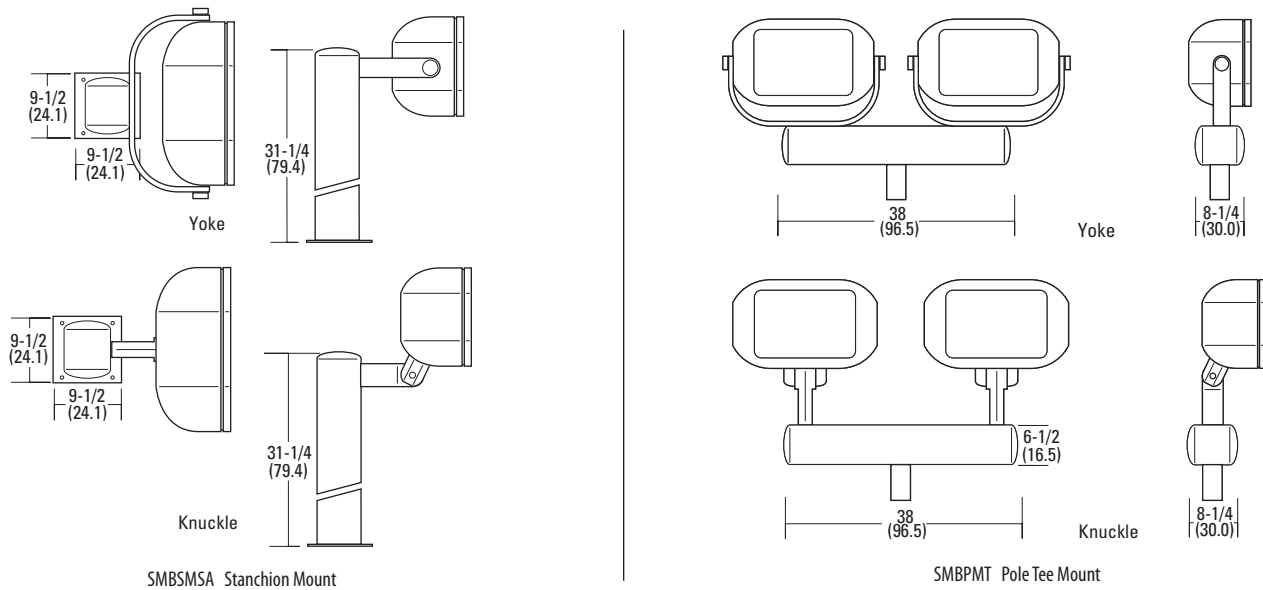
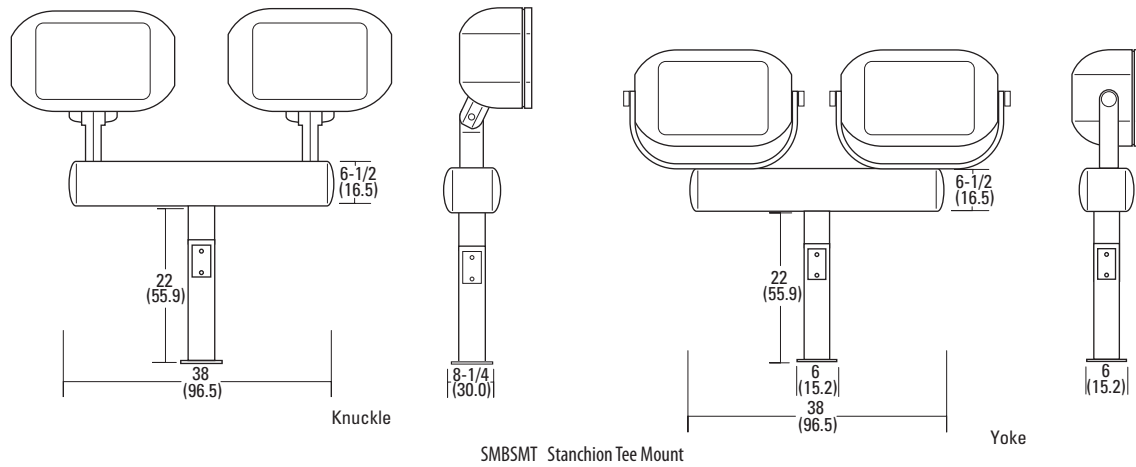
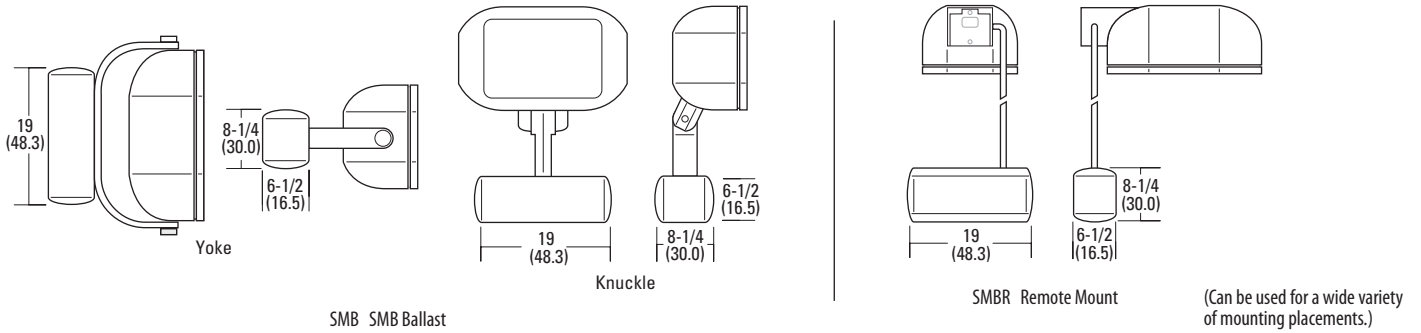
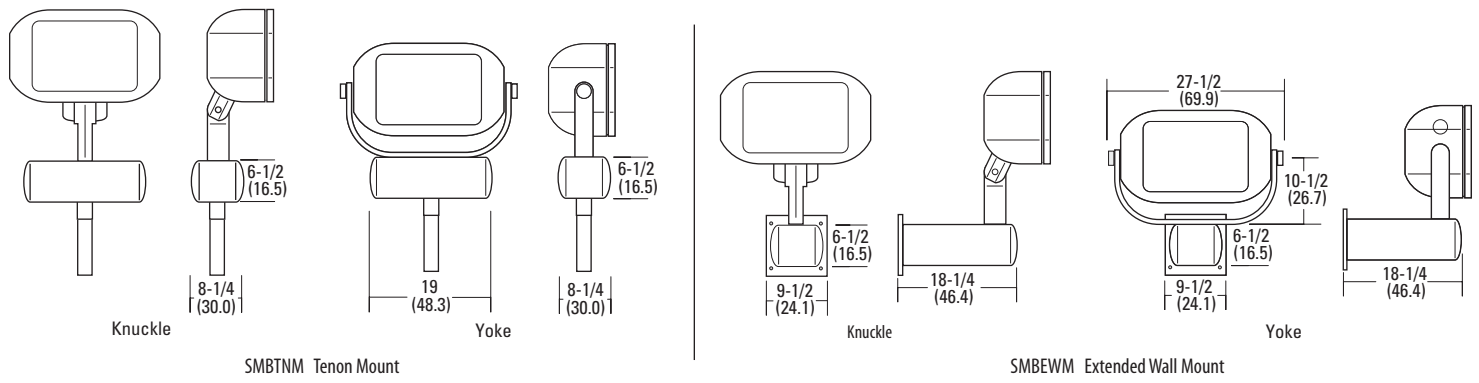
MOUNTING ACCESSORIES³

SERIES	TYPE	MOUNT	NOMENCLATURE	N/A	ARJB	FJB	PMSA	PMT	HYDSMDB	TRJB	EWM	PAR	PAS	PATR	PATS	SMSA_
8100	Adjustable	Yoke	YM		■	■	■	■ ¹	■		■ ²	■ ²	■ ²	■ ^{1,2}	■ ^{1,2}	■ ^{1,2}
8100	Adjustable	Wall	AWM/AWMDE	■												
8100	Fixed	Pole	PMEF/PME3/PME4	■												
8200	Adjustable	Yoke	YM		■		■	■ ¹	■		■ ²	■ ²	■ ²	■ ^{1,2}	■ ^{1,2}	■ ^{1,2}
8200	Adjustable	Wall	AWM/AWMDE	■												
8200	Fixed	Pole	PMEF/PME3/PME4	■												

- ARJB Architectural junction box
- FJB Flush mount junction box
- PMSA Pole mount
- PMT Pole mount tee
- HYDSMDB Stanchion mount direct burial
- TRJB Tree mount junction box
- EWM Extended wall mount
- PAR Pole arm round
- PAS Pole arm square
- PATR Pole arm twin round
- PATS Pole arm twin square
- SMSA_ Standard mounting splice access available in 12"- 48" in 6" increments

Notes

- 1 Two fixtures per mounting.
- 2 Multiple lengths available; consult specification sheets.
- 3 For more mounting information, see pages 669 and 676-677.



PRODUCT INFORMATION

POLES

ORDERING INFORMATION

Poles: For detailed technical information, EPAs and wind map, please visit www.hydel.com.

Example: HYDSSAG2 16 3.75J T20 DDB

Type		Height	Nominal shaft base size/Wall thickness	
HYDSSAG2	Square, straight, aluminum, G2	Specify height, see Configurations table below.	Nominal shaft base size	Wall thickness
HYDSSA	Square, straight, aluminum		3.75	B .120
HYDSSS	Square, straight, steel		4	C .125
HYDRSA	Round, straight, aluminum		4.5	E .156
HYDRSS	Round, straight, steel		5	G .188
			6	J .250

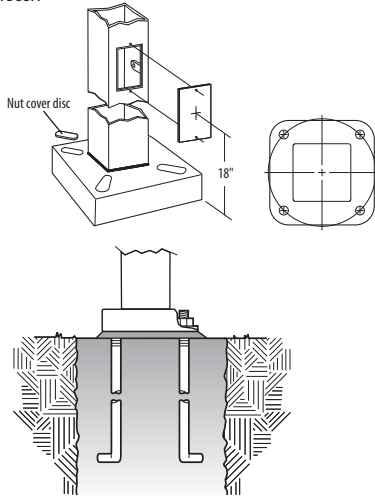
Fixture mounting methods ¹		Options	Finish	
Mounting	8100/8200 PM drill mounting	PER NEMA twist-lock receptacle only located at pole top ²	Standard colors	Designer colors
PT Open top	DM19AS Single luminaire drilling	L/AB Less anchor bolts	BL Black	DBLB Designer black, textured
Tenon mounting	DM28AS Two luminaires at 180°	VD Vibration damper	BZ Bronze	DSPD Dark gray, textured
T20 2-3/8" O.D.	DM29AS Two luminaires at 90°	TP Tamper-proof screws provided with base cover	DDB Dark bronze	DNAT Natural aluminum, textured
T25 2-7/8" O.D.	DM39AS Three luminaires at 90°	H ___ Horizontal arm ^{3,4}	DNA Natural aluminum	DWHG Designer white, textured
G2XTEND drill mounting	DM49AS Four luminaires at 90°	FDL ___ Festoon duplex outlet less electrical ⁵	GN Green	DDBT Dark bronze, textured
DM19G2 Single luminaire drilling		FGL ___ Festoon GFI outlet less electrical ⁵	GR Gray	DSPF Rust, textured
DM28G2 Two luminaires at 180°		HH ___ Extra handhole ^{3,5}	SND Sand	DSST Sandstone, textured
DM29G2 Two luminaires at 90°			STG Steel gray	CF Custom
DM39G2 Three luminaires at 90°			TVG Terra verde green	
DM49G2 Four luminaires at 90°			WH White	

ADDITIONAL INFORMATION

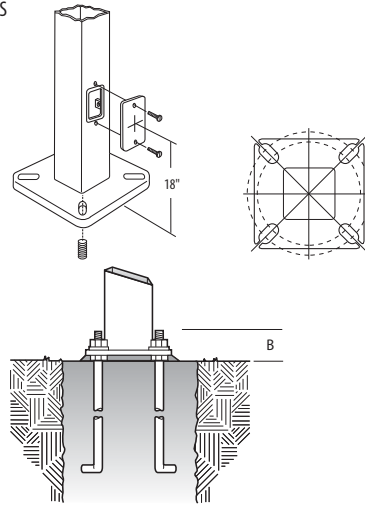
For additional product information, visit www.hydel.com.

CONFIGURATIONS			
POLE	HEIGHT (FT)	NOMINAL SHAFT BASE SIZE	WALL THICKNESS
HYDSSAG2	10 - 16	3.75	J
HYDSSA	8 - 35	4, 5, 6	C, G, J
HYDSSS	10 - 39	4, 5, 6	C, G
HYDRSA	8 - 30	4, 4.5, 5, 6	C, E, G
HYDRSS	8 - 35	4, 4.5, 5	B

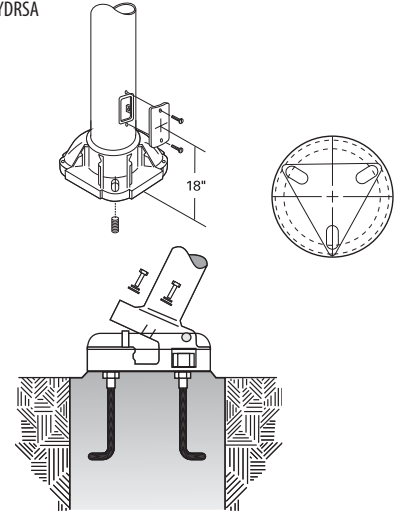
HYDSSA



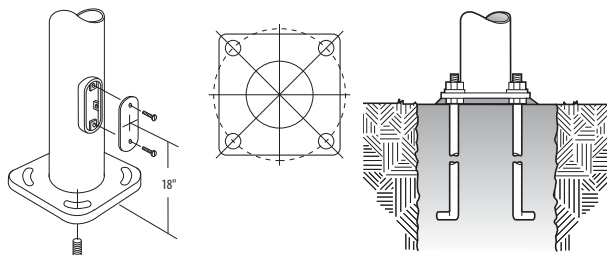
HYDSSS



HYDRSA



HYDRSS



NOTES:

- When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28G2/T20. The combination requires an extra handhole.
- NEMA twist-lock photocontrol by others. Not available with tenon mounting.
- Must specify location and orientation when ordering an option.
For first space __: Specify the height in feet above base of pole. Example: 5' = 5 and 20' = 20
For second space __: Specify orientation from handhole (A,B,C,D). Refer to the handhole orientation diagram on this page.
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount requires extra handhole.

CAUTION: This pole selection process is a guideline only. Hydel® and Acuity Brands® assume no responsibility for selection, and we recommend consultation with qualified individuals for verification of luminaire/pole assembly selection.

2100



Intended Use

The 2100 Series is a compact, high-performance lighting fixture available with incandescent or HID lamp types. Several ideal distributions are offered for a wide variety of applications. The 2100 Series yoke-mounted unit also includes multiple mounting accessories.

Construction

Material: Rugged heavy wall cast aluminum body and hinged door. All fasteners are stainless steel.

Lens: High-strength curved, tempered glass.

Finish: Textured TGIC powder coat polyester finish (see ordering guide for available colors).

Electrical

Lamp: Incandescent – T4 mini-can to 250W max.
Metal halide – T6, G12 to 150W max.

Socket: Mini-can, screw shell or G12 base, bi-pin.

Installation

Mounting: Yoke mount with a minimum of 10' 18/3 STW cord. Cord length must be specified.

Listings

U.L., C.U.L., suitable for wet locations.

Example: 2100 70CMT6 120 RN YM RACB GS SF CSL10 LPI BL

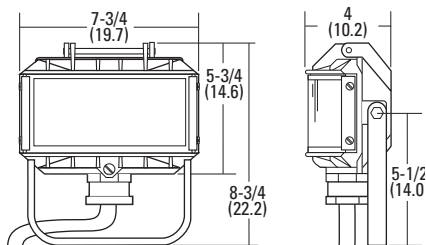
ORDERING INFORMATION

Series	Lamp type	Voltage	Distribution	Mounting	Mounting accessories	Options	
2100	Incandescent ¹	120	RN Rectangular narrow	YM Yoke mount	See page 675.	External accessories ⁴	
	100Q	208	RM Rectangular medium			FGS Full glare shield	Fusing
	150Q	240	RW Rectangular wide			GS Half glare shield	SF Single fuse ⁵
	250Q	277				VSR Visor	DF Double fuse ⁶
	Ceramic metal halide ²	347					Ballasts ⁷
	35CMT6	120/277					GEB Electronic ballast
	70CMT6	MVOLT ³					MLEBAD Electronic dimming ballast ⁸
150CMT6	TB						
► Cord set length			Lamped	Finish			
CSL_ 10'-50' of cord (available in 5' increments)			LPI Lamp included	BL Black	STG Steel gray		
				BZ Bronze	TVG Terra verde green		
				DDB Dark bronze	WH White		
				DNA Natural aluminum	CF Custom		
				GN Green			
				GR Gray			
				SND Sand			

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Available in 120V only.
- Requires HID ballast enclosure.
- MVOLT is standard on all metal halide lamps with GEB ballast option.
- Accessories are mutually exclusive. Choose one.
- SF is available with 120V, 277V or 347V on HID only.
- DF is available with 208V or 240V on HID only.
- Only available with 35CMT6 and 70CMT6 with MVOLT voltage.
- For use with 0-10V analog dimmer (by others). Additional electrical conductors are required.

PRODUCT INFORMATION

4740

Compact Fluorescent



Intended Use

Hydrel's 4740 compact fluorescent lighting fixture brings fluorescent lamp performance to smaller outdoor applications. These are ideal for soft, even illumination within smaller planters, and along walls and signs.

Construction

Material: Extruded aluminum with die-cast aluminum end caps.

Cord: Supplied with a minimum of 10' of 18-3 cable. Cord length must be specified.

Fasteners: Stainless steel.

Optics

Distribution: WFL – wide flood.

Lens: Polycarbonate.

Electrical

Lamp: One (1) compact fluorescent, 32W Max. For 42W please consult factory.

Socket: GX24Q 4-pin.

Ballast: Electronic multi-volt, 0°F (-18°C) minimum starting temperature.

Installation

YM: Yoke mount.

Listings

U.L., CUL.

Note: Hydrel reserves the right to modify specifications without notice.

Any dimension on this sheet is to be assumed as a reference dimension: "Used for information purposes only. It does not govern manufacturing or inspection requirements." (ANSI Y14.5-1973.)

ORDERING INFORMATION

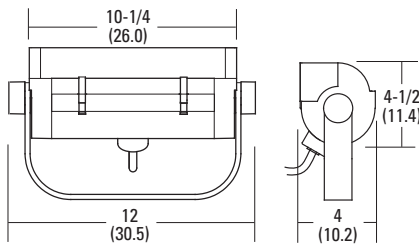
Example: 4740 32TRT MVOLT WFL YM ARJB FVSR CSL30 LPI DDB

Series	Lamp type	Voltage	Distribution	Mounting	Mounting accessories	Options
4740	Fluorescent 26TRT GX24Q-3 32TRT GX24Q-3	MVOLT	WFL Wide flood	YM Yoke mount	ARJB Arch. J-box WMP Wall-mount plate WMSA Wall-mount with splice access EWM_ Extended wall mount ¹ PSSA Pedestal stanchion-mount PMSA Pole-mount with splice access SMSA_ 12" - 48" stanchion-mount; available in 6" increments ¹ FJB Flush junction box PSS_ 18", 24" or 36" polymer sealed ground spike ¹	External accessories FVSR Full visor HVSR Half visor TPH Tamper-proof hardware
Cord set length				Lamped		Finish
CSL_ 10' - 50' of cord, available in 5' increments				LPI Lamp included		BL Black BZ Bronze DDB Dark bronze DNA Natural aluminum GN Green GR Gray SND Sand STG Steel gray TVG Terra verde green WH White CF Custom finish

ADDITIONAL INFORMATION

For additional product information, visit www.hydrel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

¹ Multiple lengths available, consult specification sheets.

4750



Intended Use

T5 and T5HO lamp performance, high-output symmetrical and asymmetrical distributions and simple design, make the Hydrel 4750 Series ideal for spreading soft, even illumination along walls, signs and planters.

Construction

Material: Extruded A360 aluminum with die-cast aluminum end caps. All fasteners are stainless steel.

Optics

Distribution: Wall wash, narrow flood, medium flood, vertical flood and wide flood.

Lens: Curved high-strength, optical-grade clear acrylic.

External glare control available.

Electrical

Lamp: Fluorescent, single or multiple T5 and T5HO to 54W per lamp.

Socket: G5 miniature bi-pin.

Voltage: Multi-volt (120V-277V 50/60 Hz) or 347V available.

Ballast: Electronic multi-volt, -20°F (-29°C) minimum starting temperature with CW20 ballast option.

Polarpack® cold weather options available. Polarpack® option will consume up to 19W when operating.

Installation

Mounting: KM – Knuckle mounted with two 1/2" NPT side mounting arms. AWM –

Adjustable wall mount with two side mounting brackets and minimum of 10' 18/3 STW (US) or 3M 3GX1.0 mm HO7RN-F (IEC) flexible cord. Cord length must be specified.

Listings

U.L., C.U.L.



ORDERING INFORMATION

Example: 4754 54T5HO MVOLT MFL KM WMP FSS LPI DNAT

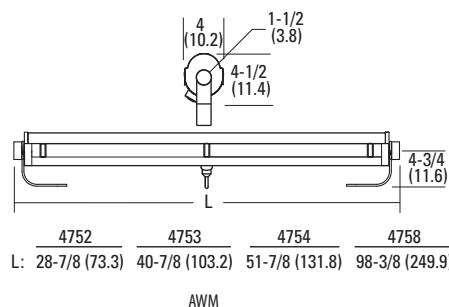
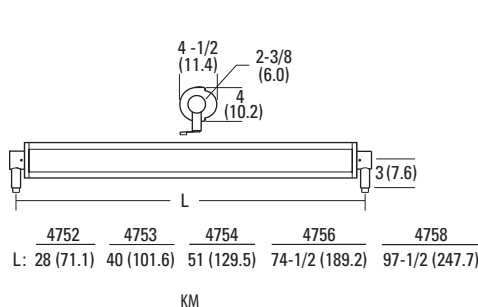
Series	Lamp type				Voltage	Distribution	Mounting	Mounting accessories	
4752	4752	39T5HO	39W T5HO	4756	4758	MVOLT ²	WWD Wall wash	KM Knuckle mount	See page 675.
4753	14T5 14W T5	2/39T5HO	Two 39W T5HO ¹	2/21T5 Two 21W T5	2/28T5 Two 28W T5	347	VFL Vertical flood	AWM Adjustable wall mount ⁷	
4754	2/14T5 Two 14W T5 ¹		4754	4/21T5 Four 21W T5 ¹	4/28T5 Four 28W T5 ¹		NFL Narrow flood		
4756	24T5HO 24W T5HO		28T5 28W T5	2/39T5HO Two 39W T5HO	2/54T5HO Two 54W T5HO		MFL Medium flood		
4758	2/24T5HO Two 24W T5HO ¹	2/28T5 Two 28W T5 ¹	4/39T5HO Four 39W T5HO ¹	4/54T5HO Four 54W T5HO ¹			WFL Wide flood ³		
	4753	54T5HO 54W T5HO							
	21T5 21W T5	2/54T5HO Two 54W T5HO ¹							
	2/21T5 Two 21W T5 ¹								

Runs	Options	Cord set length ⁶	Lamped	Finish
ETE End to end ¹⁰ For runs or end-to-end mounting, see specification sheet on www.hydel.com	External accessories ⁴ FSS Flush source shield FVSR Full visor HVSR Half visor TPH Tamper-proof hardware Electrical PLPKX Polarpack® cold weather option (120V) ⁴ PLPKY Polarpack® cold weather option (347V) ⁴ PLPKZ Polarpack® cold weather option (208-277V) ⁴ CW20 Cold weather ballast, -20°F (-29°C) starting temperature ⁵ ELN Emergency battery backup, half output ⁶	CSL_ 10' - 50' of cord, available in 5' increments	LPI 3000°K lamp included LP35K 3500°K lamp included LP41K 4100°K lamp included	BL Black BZ Bronze DDB Dark bronze DNA Natural aluminum GR Gray STG Steel gray WH White GN Green SND Sand TVG Terra verde green CF Custom

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Available with WFL distribution only.
- MVOLT multi-volt ballast range: 120V-277V, 50/60Hz.
- WFL distribution only available with multiple lamp options as specified with note 1.
- Accessories are mutually exclusive. Choose one.
- Only available with WWD and WFL distributions using 54T5HO lamps.
- Required for AWM mounting only. Specify cord length in feet. Not available with KM.
- No mounting accessories with AWM.
- Only available with 4754, 4758 using WWD or WFL distribution; 4756 using WWD distribution.
- Not available with ELN or MVOLT.
- ETE only available with KM.

PRODUCT INFORMATION

4798 4799

Accent Light



Intended Use

The 4798 accent lighting fixture offers simple and compact illumination. Ideal for spreading soft, even light along planters, walls and signs. These units are available in incandescent, fluorescent and HID to 50W max.

The Hydrel 4799 fluorescent lighting fixture offers high-output with simple lines and a long, low silhouette. These are ideal for spreading soft, even illumination along planters, walls, and signs that require a low pattern of light.

Front re-lamping via four stainless steel fasteners.

Construction

Material: Extruded aluminum with die-cast aluminum end caps. Knuckles are cast bronze.

Fasteners: Stainless steel.

Optics

Distribution: Flood – Flat polished stainless steel reflector.

Lens: (4798): Tempered Borosilicate Glass. (4799): Clear acrylic.

Electrical

4798: Incandescent – T10, 60W max; Fluorescent – 42TRT max; HID – E17, 50W max.

4799: T8, 44W max, per lamp.

Ballast: Integral mounted ballast for low temperature operation.

Installation

Mounting: 4798: Single 1/2" NPT adjustable cast bronze knuckle. 4799: Two (2) 1/2" NPT adjustable knuckles.

Listings

U.L., CSA

ORDERING INFORMATION

Example: 4798 32TRT MVOLT HGS LPI BZ

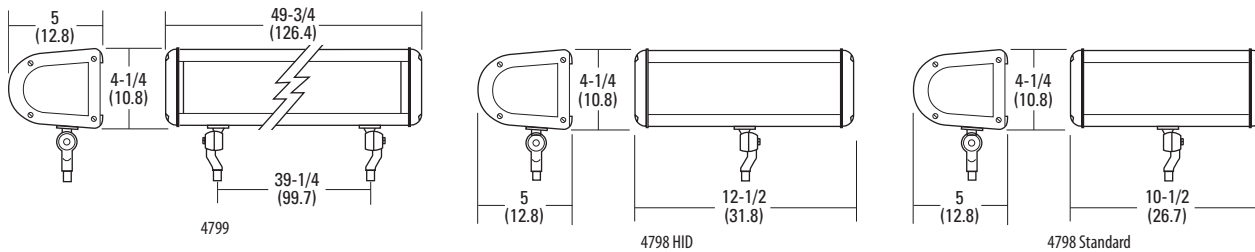
Series	Lamp type				Voltage
4798	4798	26TRT	Triple tube, 4-pin	4799	120
4799	60I T-10, medium ¹	32TRT	Triple tube, 4-pin	54T5HO T5HO, miniature bi-pin	208
	13DTT Double twin tube, 4-pin	42TRT	Triple tube, 4-pin	2/54T5HO Two T5HO, miniature bi-pin	220
	2/13DTT Two double twin tube, 4-pin	35S	E17, medium ¹	32 T8, medium bi-pin	240
	18TRT Triple tube, 4-pin	50M	E17, medium	44T8HO T8HO, recessed double contact ³	277
					347
					MVOLT ^{2,3}

Mounting accessories	Options	Lamped	Finish
See page 675.	External accessories HGS Half glare shield	LPI Lamp included	BZ Bronze BL Black DDB Dark bronze DNA Natural aluminum GN Green GR Gray SND Sand
			STG Steel gray TVG Terra verde green WH White CF Custom finish

ADDITIONAL INFORMATION

For additional product information, visit www.hydrel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 60I and 35S are only available in 120V.
- MVOLT (120V-277V) only available with fluorescent lamps.
- MVOLT is not available with 44T8HO.

FLOOD & LANDSCAPE LIGHTING

Mounting Accessories

■ = option available

		FLOOD AND LANDSCAPE LIGHTING MOUNTING ACCESSORIES																	
NOMENCLATURE	DESCRIPTION	2100	4750 ¹	4798	4799	4511	4516	4519	4521	4524	4525	4529	4610	4620	4630	4640	4650	4709	
NO BALLAST	ARJB	Architectural junction box	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	FJB	Flush mounted junction box	■	■			■	■	■		■		■	■	■	■	■	■	
	JBA/JBB	Junction box aluminum/bronze	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	MS/MSB	Mounting spike steel/bronze (12" or 18" – 12V only)					■	■			■		■	■					
	PS/PSS	Polymer ground spike open/sealed (18", 24" 36") ²		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	PSSA	Pedestal stanchion mount	■	■			■	■	■	■	■	■	■	■	■	■	■	■	
	SBA/SBB	Stake box aluminum/bronze (12" or 18") ³		■	■ ⁶	■ ⁶			■	■	■	■	■		■	■	■	■	
	SMSA	Stanchion mount ⁷	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	
	TRA/TRB	Tree mounted T-box aluminum/bronze								■		■							
	TRAS/TRBS	Tree strap ⁴	■		■		■	■	■	■	■	■	■	■	■	■	■	■	
	WBC35R/WBC40	Wall box cover ^{3,5}					■ ⁵	■ ⁵						■	■				
	WMC	Wall mount cover ³	■	■	■		■	■	■		■	■		■	■	■	■	■	
	WMSA	Wall mount with integral splice box	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
	WMSA EA	Wall mount with extended arms ⁷		■			■	■	■		■		■	■	■	■	■	■	
	WMP	Wall mount plate	■	■			■	■	■		■		■	■	■	■	■	■	
	WMP EA	Wall mount plate for extended arm ⁷		■			■	■	■		■		■	■	■	■	■	■	
	WMP EAS	Wall mount plate with extended arm strut ⁷		■			■	■	■		■		■	■	■	■	■	■	
	BALLAST	AGB	Above-ground ballast (175W max. – remote)							■	■	■		■	■	■	■	■	
BPCA/BPCB		Big polymer combo box (175W max.)	■						■	■		■				■	■		
BPTA		Big polymer transformer box (300W max. low voltage)					■	■		■			■	■					
BSB		Big surface box (175W max.) ⁵	■						■	■		■				■	■		
BSB EA		Big surface box with extended arms (175W max.) ⁷							■							■	■		
BSBTS		Big surface box with tree strap (175W max.) ⁵	■				■	■	■		■		■	■	■	■	■		
CBA/CBB		Combo box (175W max.)	■						■	■	■					■	■		
EBA/EBB		Encapsulated ballast box (100W max.)	■						■	■	■	■		■	■	■	■		
RACB		Round aluminum combo box (100W max.)	■				■ ⁵	■ ⁵			■		■ ⁵	■ ⁵	■	■	■		
SCA/SCB		Small transformer box, aluminum or bronze (75W max.)	■				■	■					■	■					
SPCA		Small polymer combo box (70W max.)	■				■	■	■	■	■	■	■	■	■	■	■		
SSB		Small surface box (70W max.)	■				■ ⁵	■ ⁵	■	■	■	■	■ ⁵	■ ⁵	■	■	■		
SSB EA		Small surface box with extended arms (70W max.) ⁷					■	■	■		■		■	■	■	■	■		
SSBTS		Small surface box with tree strap (70W max.)	■				■ ⁵	■ ⁵	■		■	■	■ ⁵	■ ⁵	■	■	■		
TRMT		Tree mount transformer					■	■			■		■						

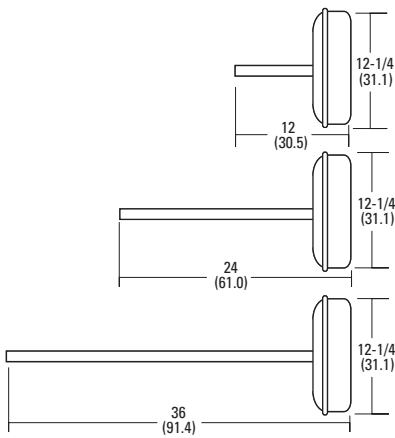
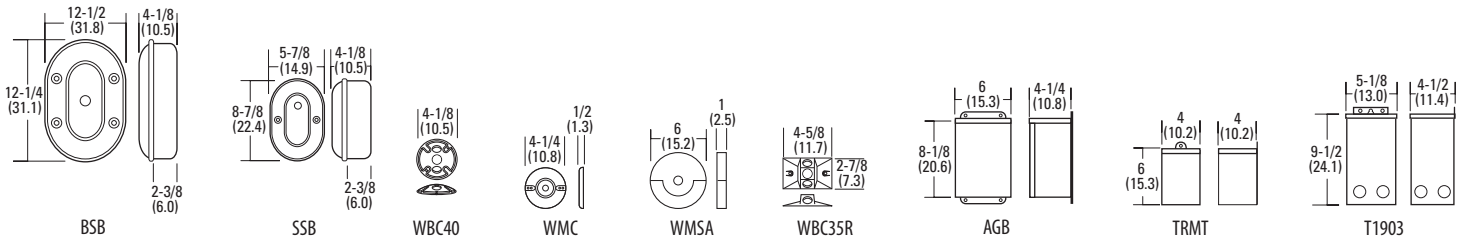
Please remember to order a ballast or transformer box.

Notes

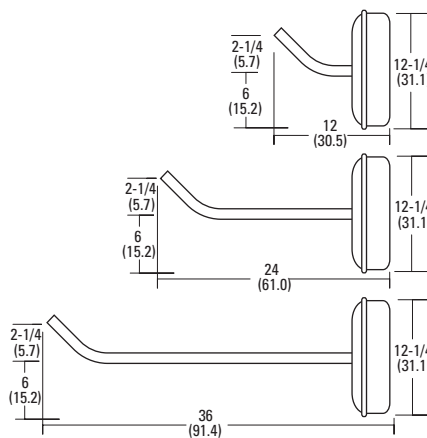
- Two of the selected mounting boxes will be provided.
- PS available in 12V only.
- Knuckle mount fixtures only.
- Specify up to four junction boxes per strap.
- Will accept two fixtures per mounting. To order with the fixture put 2/ in the lamp type category; for example: 4511 2/M35 12 SP WBC 40 DNA. Visit www.hydel.com for detailed information on any of the mounting options.
- For 120V portable applications only.
- Multiple lengths available consult specification sheets.

GROUND & WALL

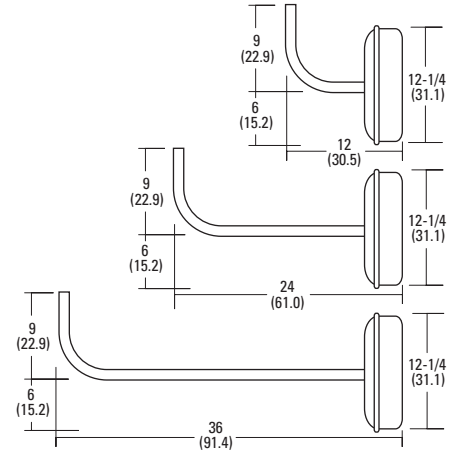
Mounting Accessories



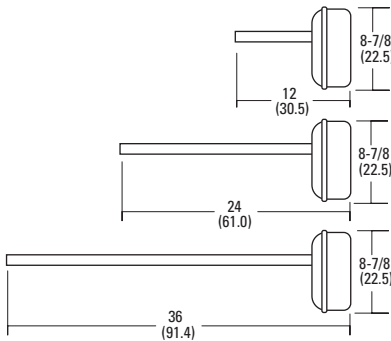
EA on BSB (HID 100 - 150W)



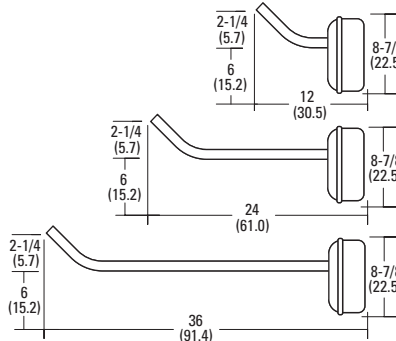
EA45 on BSB (HID 100 - 150W)



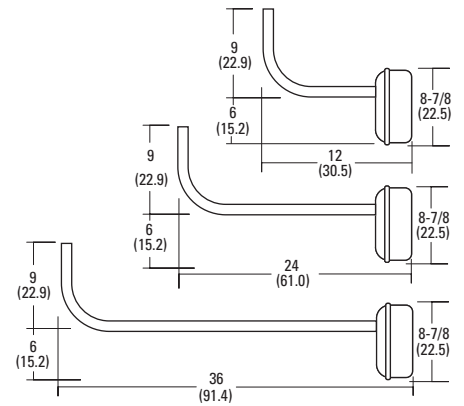
EA90 on BSB (HID 100 - 150W)



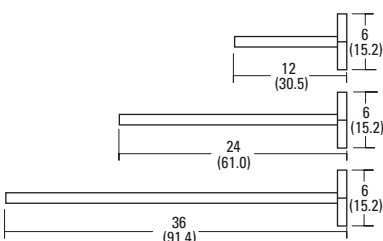
EA on SSB (LV, HID 35 - 70W)



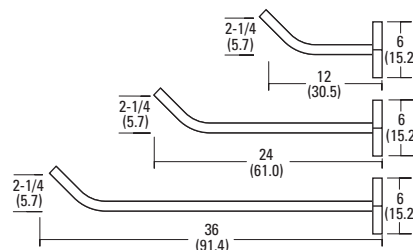
EA45 on SSB (LV, HID 35 - 70W)



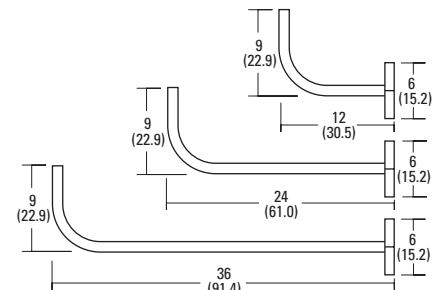
EA90 on SSB (LV, HID 35 - 70W)



EA on WMSA (Incandescent)



EA45 on WMSA (Incandescent)



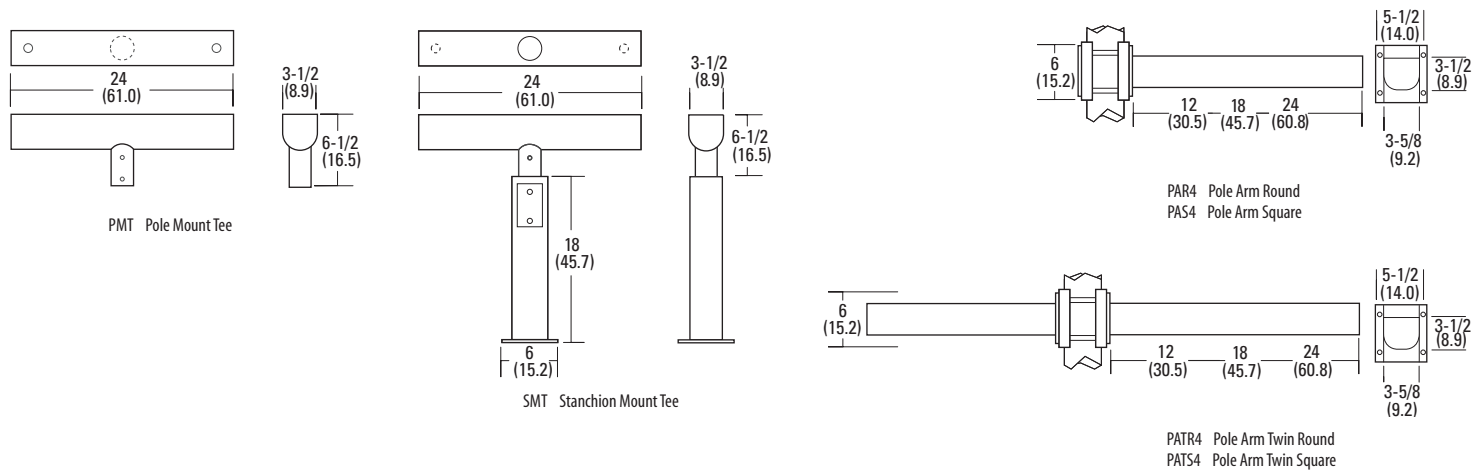
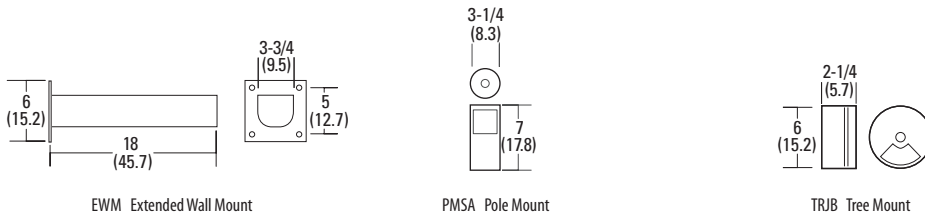
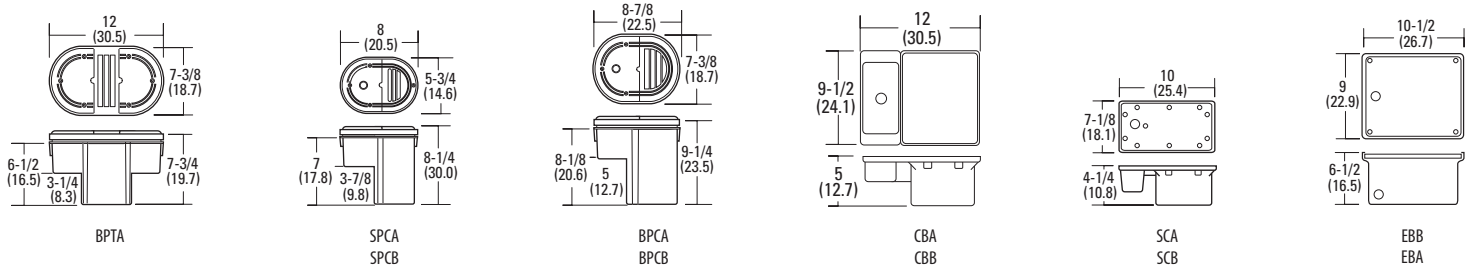
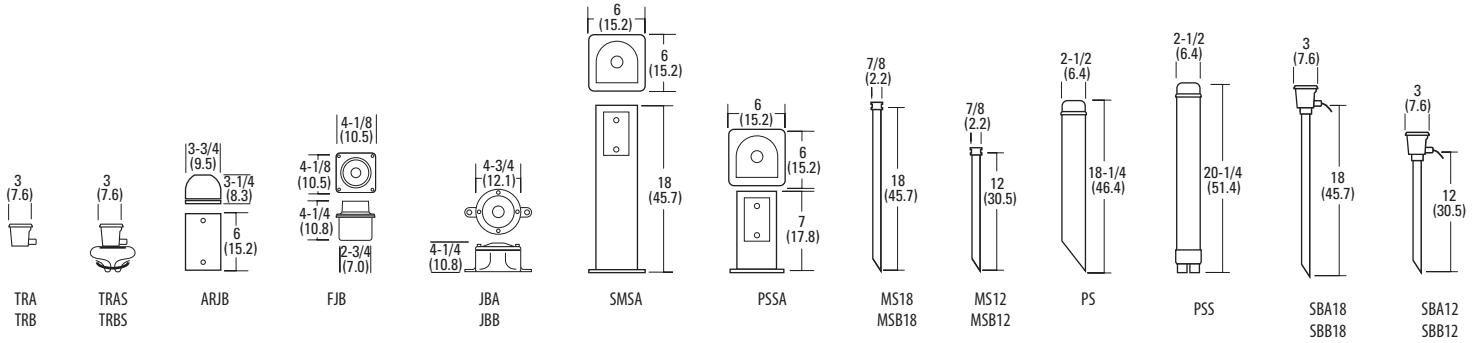
EA90 on WMSA (Incandescent)

Notes

For WMP, SSBTS, BSPTS and RACB, visit www.hydel.com.

GROUND, WALL & POLE

Mounting Accessories



PRODUCT INFORMATION

4511



Intended Use
Low-profile accent light for shrubs, planters or wall mountings.

Construction
Material: Housing is machined aluminum alloy. Knuckle is cast bronze.

Optics
Lens: Tempered flat glass.

Electrical
Lamp: Low-voltage – MR11, 35W max.

Installation
Mounting: 1/2" NPT adjustable knuckle.

Listings
U.L., CSA, IP66, suitable for wet locations.

Requires low-voltage supply.

ORDERING INFORMATION

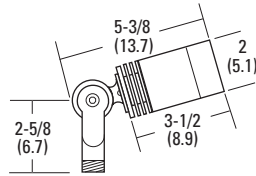
Example: 4511 M35 12 SP WMC LPI DNA

Series	Lamp type	Voltage	Distribution ³	Mounting accessories	Lamped	Finish
4511	Low voltage M35	12 ¹	NR No reflector	See page 675.	LPI Lamp included	BL Black
		120 ²	SP Spot			BZ Bronze
		277 ²	NFL Narrow flood			DDB Dark bronze
						SND Sand
						STG Steel gray
						TVG Terra verde green
						WH White
						GN Green
						CF Custom
						GR Gray

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Transformer sold separately.
- 2 Only valid when transformer box is ordered.
- 3 Distribution only required with LPI option. All others choose NR.

PRODUCT INFORMATION

4516



Intended Use
Low-profile accent light for shrubs, planters or wall mountings.

Construction
Material: Housing is die-cast, copper-free aluminum alloy A360. Knuckle is cast bronze.

Optics
Lens: Tempered flat glass.

Electrical
Lamp: Low-voltage – MR16 quartz halogen, 50W max.

Installation
Mounting: 1/2" NPT adjustable knuckle.

Listings
U.L., CSA, IP66, suitable for wet locations.

Requires low-voltage supply.

ORDERING INFORMATION

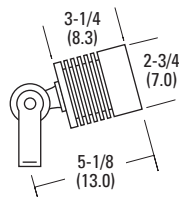
Example: 4516 M50 12 SP WMSA LPI DNA

Series	Lamp type	Voltage	Distribution ³	Mounting accessories	Lamped	Finish
4516	Low-voltage M50	12 ¹	NR No reflector	See page 675.	LPI Lamp included	BL Black
		120 ²	SP Spot			BZ Bronze
		277 ²	NSP Narrow spot			DDB Dark bronze
			FL Flood			SND Sand
			NFL Narrow flood			STG Steel gray
			WFL Wide flood			TVG Terra verde green
						WH White
						GN Green
						CF Custom
						GR Gray

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Transformer sold separately.
- 2 Only valid if transformer box is ordered.
- 3 Distribution only required with LPI option. All others choose NR.

Intended Use

Spotlights architectural or landscape features from the ground, wall mountings or trees.

Construction

Material: Cast aluminum with cast bronze knuckle.

Fasteners: Stainless steel.

Optics

Lens: Incandescent: No lens. Lamp face forms lens on incandescent. HID – convex, clear tempered glass. Amber, blue, green or red lenses available.

Electrical

Lamp: Incandescent – PAR38 250W max. Metal halide – PAR38 150W max.

HID requires separate ballast box.

Installation

Mounting: 1/2" NPT adjustable knuckle.

Listings

U.L., CSA, suitable for wet locations.



4519

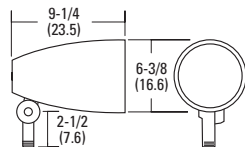
Example: 4519 P38250I 120 SP JBA LPI DDB

ORDERING INFORMATION														
Series	Lamp type		Voltage	Distribution ⁴	Lens	Mounting accessories	Options	Lamped	Finish					
4519	Incandescent ¹	P3870CM	120	NR No reflector	CLC Convex lens clear ⁵	See page 675.	<u>External accessories</u> GS Glare shield <u>Fusing</u> SF Single fuse ⁶ DF Double fuse ⁷ <u>Ballast</u> GEB Electronic ballast	LPI Lamp included	BL	Black	SND	Sand		
	P38100I	P38100CM	208	SP Spot	CLA Convex lens amber				BZ	Bronze	STG	Steel gray		
	P38120I	Metal halide ²	240	FL Flood	CLB Convex lens blue				DDB	Dark bronze	TVG	Terra verde green		
	P38250I	P3870M	277	WFL Wide flood	CLG Convex lens green				DNA	Natural aluminum	WH	White		
	Ceramic metal halide ²	P38100M	347		CLR Convex lens red				GN	Green	CF	Custom		
	P2035CM	P38150M	120/277						GR	Gray				
				MVOLT ³										
			TB											

ADDITIONAL INFORMATION

For additional product information, visit www.hydre.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available with 120V only.
- 2 Separate ballast enclosure required for HID models.
- 3 MVOLT is standard on metal halide lamps with GEB ballast option.
- 4 Not all distributions available with all lamp types; use NR when not using LPI option.

- 5 CLC will be used if no lens is chosen on HID.
- 6 SF is available with 120V or 277V on HID only.
- 7 DF is available with 208V, 220V or 240V on HID only.

PRODUCT INFORMATION

Intended Use

The graceful style of this adjustable up-light is used extensively for spot or floodlighting shrubs, trees and building facades.

Construction

Strongly constructed of copper and bronze with durable silicone sealing gaskets, the fixture is completely

weatherproof. The shield provides maximum beam control with minimum side glare. The metal weathers naturally to a patina of soft copper tones. Provided with clear tempered lens.

Material: Heavy-gauge spun copper body with cast bronze knuckle and sealing rings.

Finish: Bright dipped natural copper standard. Painted

finish also available. See ordering guide for options.

Fasteners: Stainless steel.

Optics

Distribution: E17 lamps – Spot and flood. PAR lamps – Beam spread by lamp type.

Lens: Convex, tempered glass.

Electrical

Lamp: Incandescent – PAR38,

150W max. HID – PAR38, 150W max. E17, 150W max.

Socket: Pulse rated medium base.

Installation

Mouting: 3/4" NPT adjustable knuckle. Separate ballast enclosure required for HID models.

Listings

U.L.



4521

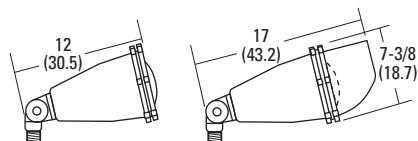
Example: 4521 100M 120 SP CLC BPCA GS SF LPI BZ

ORDERING INFORMATION														
Series	Lamp type		Voltage	Distribution ³	Lens	Mounting accessories	Options	Lamped	Finish ⁷					
4521	Incandescent ¹	P3870CM	100CM	120 ¹	SP Spot	See page 675.	<u>External accessories</u> FGS Full glare shield GS Glare shield <u>Fusing</u> SF Single fuse ⁵ DF Double fuse ⁶ <u>Ballast</u> GEB Electronic ballast	LPI Lamp included	BZ	Bronze	STG	Steel gray		
	P38100I	P38100M	150M	208	FL Flood				BL	Black	TVG	Terra verde green		
	P38150I	P38100CM	High pressure sodium ²	240	CLB Convex lens blue				DDB	Dark bronze	WH	White		
	Metal halide ²	P38150M	277	DNA					Natural aluminum	CF	Custom finish			
	P3035CM	70M	70S	347	CLG Convex lens green				GN	Green				
	P3070CM	70CM	100S	120/277	CLR Convex lens red				GR	Gray				
	P3870M	100M	150S	MVOLT ⁸					SND	Sand				

ADDITIONAL INFORMATION

For additional product information, visit www.hydre.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available with 120V only.
- 2 Separate ballast enclosure required for HID models.
- 3 E17 lamps valid with flood (FL) distribution only.
- 4 CLC is the default lens.

- 5 SF is only available with 120V, 277V or 347V on HID only.
- 6 DF is only available with 208V, 220V, 240V on HID only.
- 7 Paint finish is optional; standard fixture is natural copper.
- 8 MVOLT is standard on metal halide lamps with GEB ballast option.

PRODUCT INFORMATION

4524



Intended Use
Accents trees, shrubs, signs and walls from the ground, wall mountings or trees.

Construction
Material: Cast aluminum or bronze.

Finish: Aluminum models – See ordering guide for color

options. Bronze models – Natural bronze.

Fasteners: Stainless steel.

The optional glare shield eliminates source glare while still allowing for maximum light output. Heat-resistant, tempered lens and silicone gasket provide weathertight protection.

Optics
Lens: Clear convex tempered glass. Amber, blue, green and red lenses also are available.

Electrical
Lamp: Low-voltage – MR16, 75W max. Incandescent – PAR16 or PAR20, 60W max. HID – Metal halide PAR20, 35W max.

Installation
Mounting: 1/2" NPT adjustable knuckle. HID requires separate ballast box.

Listings
UL, CSA, suitable for wet locations.

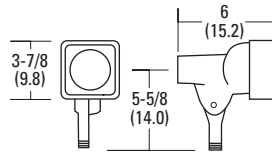
Example: 4524 A P2035CM 277 SP CLC SPCA LP BL

ORDERING INFORMATION

Series	Material	Lamp type	Voltage	Distribution ⁴	Lens ⁵	Mounting accessories	Options	Lamped	Finish	
4524	A Aluminum	Low-voltage ¹	Incandescent	12 ²	NR No reflector	CLC Convex lens clear	See page 675.	LP Lamp installed	BL Black BZ Bronze DDB Dark bronze DNA Natural aluminum GN Green GR Gray	
		M35	P1640I	120	SP Spot	CLA Convex lens amber				
	B Bronze	M50	P1655I	208 ³	NSP Narrow spot	CLB Convex lens blue				<u>Internal accessories</u> IHL Internal honeycomb louver
		M75	P1660I	240 ³	FL Flood	CLG Convex lens green				<u>External accessories</u> GS Glare shield
		Ceramic metal halide ¹	P2050I	277	NFL Narrow flood	CLR Convex lens red				<u>Fusing</u> SF Single fuse ⁶ DF Double fuse ⁷
			P2060I	347	WFL Wide flood					
		P2035CM	120/277 ³							
			MVOLT ³							
		TB ³								

ADDITIONAL INFORMATION For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Separate ballast enclosure required for HID models, transformers for low-voltage lamps.
- 2 Transformer sold separately.
- 3 Only available with HID lamps.

- 4 Not all distributions available with all lamp types; use NR when not using LPI option.
- 5 CLC will be used if no lens is chosen on HID.
- 6 SF is available with 120V, 277V or 347V on HID only.
- 7 DF is available with 208V or 240V on HID only.

PRODUCT INFORMATION

4525



Intended Use
Accents trees, shrubs, signs and walls from the ground, wall mountings or trees.

Construction
Material: Cast aluminum or bronze.

Finish: Aluminum models – See ordering guide for color options. Bronze models – Natural bronze.

Fasteners: Stainless steel.

The optional glare shield eliminates source glare while still allowing for maximum light output. Heat-resistant, tempered lens and silicone gasket provide weathertight protection.

Optics
Distribution: HID – Spot or fused, PAR lamp determined by lamp type.

Lens: Convex tempered glass, clear.

Electrical
Lamp: Incandescent – PAR38, 250W max. HID – PAR38 or ED17, 175W max.

Socket: Pulse rated medium base or E27 (European) standard.

Installation
Mounting: 1/2" NPT adjustable knuckle. Separate ballast box required for HID models.

Listings
UL, CE, CB, NEMKO, CSA.

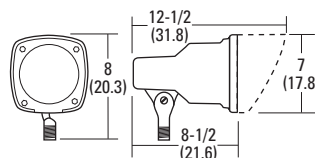
Example: 4525 A 100CM 277 FL BSB GS SF LPI BZ

ORDERING INFORMATION

Series	Material	Lamp type	Voltage	Distribution	Mounting Accessories	Options	Lamped	Finish ⁷		
4525	A Aluminum	Incandescent ¹	100CM	High pressure sodium ²	120	SP Spot	See page 675.	LPI Lamp Included	BZ Bronze BL Black DDB Dark bronze DNA Natural aluminum GN Green GR Gray	
		P38100I	150M	70S	208	FL Flood				
	B Bronze	P38150I	175M	100S	220					<u>Internal accessories</u> IHL Internal honeycomb louver ³
		P38250I	P3870M	150S	240	GS Glare shield				<u>External accessories</u> FGS Full glare shield
		Metal halide ²	P3870CM	277		DF Double fuse ⁶				
			70M	P38100M	347					
		70CM	P38100CM	TB						
		100M	P38150M							

ADDITIONAL INFORMATION For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Incandescent models available with 120V only.
- 2 Separate ballast enclosure required for HID models.
- 3 Only available with PAR lamps.
- 4 STB available on PSS_, BPCA and SPCA only.
- 5 SF is only available with 120V, 277V or 347V on HID only.

- 6 DF is only available with 208V, 220V or 240V on HID only.
- 7 Finish is only available on fixtures with aluminum material.

Intended Use

Uplighting of trees, signs, walls and building facades.

Optics

Lens: None.

Listings

U.L., suitable for wet locations.

Construction

Material: Cast aluminum or cast bronze body and glare shield. Knuckle is cast bronze. Fasteners: Stainless steel.

Electrical

Lamp: Incandescent – PAR38 medium-base.

Installation

Mounting: 1/2" NPT adjustable knuckle.

4529



Example: 4529 B P38150I 120 SP JBB LP

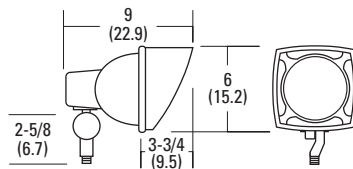
ORDERING INFORMATION

Series	Material	Lamp type	Voltage	Distribution ¹	Mounting accessories	Lamped	Finish ²	
4529	A Aluminum	Incandescent	120	NR No reflector	See page 675.	LP Lamp installed	BL Black	
	B Bronze	P38100I		SP Spot			GN Green	TVG Terra verde green
		P38150I		FL Flood			GR Gray	WH White
				WFL Wide flood			DDB Dark bronze	SND Sand
				DNA Natural aluminum	STG Steel gray			

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Not all distributions available with all lamp types; use NR when not choosing LPI option.
- 2 Finish required on aluminum products.

PRODUCT INFORMATION

Intended Use

Tree-mounted or ground-mounted uplighting, or building-mounted facade lighting.

minum A360. All aluminum materials are chem filmed or anodized prior to painting. Fasteners: Stainless steel.

Electrical

Lamp: MR16, 75W max. Ceramic metal halide, 35W max.

STW cord. Cord length must be specified.

Construction

Material: Fixture, knuckle, yoke are copper-free alu-

Optics

Lens: Crowned tempered glass.

Installation

Mounting: Knuckle 1/2" NPT adjustable. Yoke mount with a minimum of 10' of 18/3

Listings

U.L., C.U.L., IP66, suitable for wet locations.

4610
4620



Example: 4610 M50 277 FL KM SSB IHL FGS LPI SND

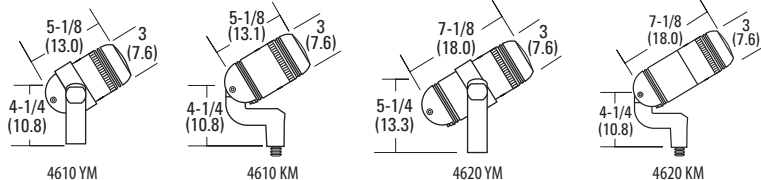
ORDERING INFORMATION

Series	Lamp type	Voltage	Distribution ⁵	Mounting	Mounting accessories	Options	Cord set length	Lamped	Finish
4610 ¹	Low-voltage	12 ¹	NR No reflector	YM Yoke mount	See page 675.	Internal accessories	CSL 10'-50' of cord (available in 5' increments) ⁹	LPI Lamp included	BL Black
4620 ²	M20 ²	120	SP Spot	KM Knuckle mount		IHL Internal honeycomb louver ¹⁰			
	M35 ²	208	NSP Narrow spot			CFAMB Color filter amber	GS Glare shield	DDB Dark bronze	
	M50 ²	240	FL Flood			CFBLU Color filter blue	Fusing	TVG Terra verde green	
	M75 ¹	277	NFL Narrow flood			CFGRN Color filter green	SF Single fuse ⁶	DNA Natural aluminum	
	Ceramic metal halide ³	347	WFL Wide flood			CFRED Color filter red	DF Double fuse ⁷	DNA Natural aluminum	
	P2035CM	120/277					Ballast	GN Green	
	P2035CM	MVOLT					GEB Electronic ballast ⁸	GR Gray	
	35CMT4 ⁴	TB						SND Sand	
								STG Steel gray	
								WH White	
								CF Custom	

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Transformer, sold separately.
- 2 Transformer included on 4620 unless 12V is specified.
- 3 Separate ballast enclosure required; available on 4620 only.
- 4 Requires GEB ballast.
- 5 Not all distributions available with all lamp types; use NR when not choosing LPI option.
- 6 SF is available with 120V, 277V or 347V on HID only.
- 7 DF is available with 208V or 240V on HID only.
- 8 Only available with metal halide lamps and MVOLT voltage.
- 9 Only valid with yoke mount.
- 10 Not available with 35CMT4 lamps.

PRODUCT INFORMATION

4630 4640



Intended Use
Landscape and architectural applications.

Construction
Material: Fixture, knuckle, yoke – die-cast, copper-free aluminum alloy A360. All materials are chem-filmed or anodized prior to painting.

Fasteners: Stainless steel.

Optics
Lens: Crowned tempered glass.

Electrical
Lamp: Incandescent – 150W max. HID – Metal halide 150W max.

Installation
Mounting: Knuckle: – 1/2:" NPT adjustable. Yoke – minimum of 10 ft 18/3 STW cord. Cord length must be specified.

Listings
U.L., C.U.L., C.E., IP66, suitable for wet locations.

Visit www.hydel.com for monochromatic LED specifications.



Example: 4630 P3070CM 120 SP KM SSB IHL LPI BL

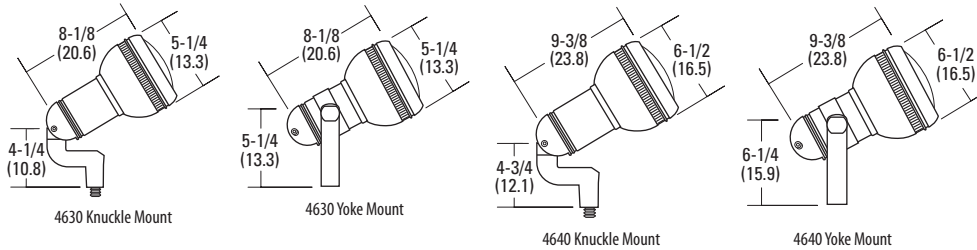
ORDERING INFORMATION

Series	Lamp type				Voltage	Distribution	Mounting	Mounting accessories	Options
4630	Incandescent ¹	Ceramic metal halide ²	Metal halide ^{2,8}	High pressure sodium ^{2,8}	120	NR No reflector ³	YM Yoke mount	See page 675.	<u>Internal accessories</u>
4640	P38100I ⁹	P3035CM ⁹	70M	70S	208	SP Spot	KM Knuckle mount		IHL Internal honeycomb louver
	P3075I ⁹	P3070CM ⁹	P3870M	100S	240	MFL Medium flood ⁸			CFAMB Color filter amber
	P38150I ⁹	35CMT6 ⁸	P38100M		277	FL Flood			CFBLU Color filter blue
	Quartz ^{1,8}	70CMT6 ⁸	100M		347				CFGRN Color filter green
	150Q	150CMT6 ⁸	150M		120/277				CFRED Color filter red
			P38150M		MVOLT ⁶				LSF Linear spread filter
					TB				
Options (continued)		Cord set length ⁷			Lamped	Finish			
<u>External accessories</u>		<u>Fusing</u>			LPI Lamp included	BL Black	STG Steel gray		
FGS Full glare shield		SF Single fuse ⁴	CSL_ 10'-50' of cord (available in 5' increments)			BZ Bronze	TVG Terra verde green		
GS Glare shield		DF Double fuse ⁵				DDB Dark bronze	WH White		
		<u>Ballast</u>				DNA Natural aluminum	CF Custom		
		GEB ⁶ Electronic ballast				GN Green			
						GR Gray			
						SND Sand			

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Available in 120V only.
- Separate ballast enclosure required.
- Only valid if LPI is not chosen.
- SF is available with 120V, 277V or 347V on HID only.
- DF is available with 208V or 240V on HID only.
- MVOLT default if GEB selected; only valid with metal halide lamps.
- Only valid with yoke mount.
- Available with 4640 only.
- Available with 4630 only.

4650



Intended Use

These large, versatile accent lights provide illumination for a variety of architectural and landscape applications to 60'.

Construction

Material: Die-cast, copper-free aluminum alloy A360. All aluminum materials are chem-filmed or anodized prior to painting.

Finish: See ordering guide for color options.

Fasteners: Stainless steel.

Optics

Lens: Crowned tempered glass.

Electrical

Lamp: Incandescent – T4, 250W max.; PAR 56 – 300W max. HID – E17, T6 or PAR38, 150W max.

Socket: Incandescent – Mini-can (T4) or mogul end prong (PAR 56). HID – Medium-base or G12 base.

Voltage: See ordering guide.

Installation

Mounting: Knuckle – 1/2" NPT. Yoke – With a minimum

of 10' 18/3 STW cord. Cord length must be specified.

Listings

U.L., C.U.L., C.E., IP66, suitable for wet locations.

ORDERING INFORMATION

Example: 4650 150M TB SP KM BSB FGS IHL LP DDB

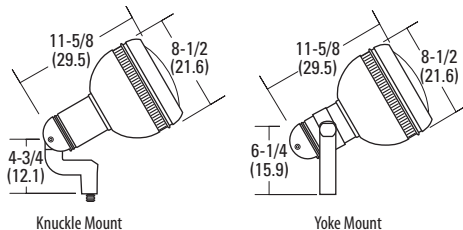
Series	Lamp type	Voltage	Distribution ⁴	Mounting	Mounting accessories	Options
4650	Incandescent ¹	Metal halide ²	120	NR No reflector	YM Yoke mount	See page 675.
	P38100I	70M	208	TSP Tight spot	KM Knuckle mount	
	250Q	100M	240	SP Spot		
	P56300I	150M	277	NSP Narrow spot		
	Ceramic metal halide ²	P38100M	347	MFL Medium flood		
	70CMT6	P38150M	120/277	FL Flood		
	P38100CM		480	NFL Narrow flood		
	150CMT6		MVOLT ³	WFL Wide flood		
			TB			

Cord set length ⁸		Lamped	Finish												
CSL_ 10'-50' of cord (available in 5' increments)		LPI Lamp included	<table border="0"> <tr> <td>BL Black</td> <td>SND Sand</td> </tr> <tr> <td>BZ Bronze</td> <td>STG Steel gray</td> </tr> <tr> <td>DDB Dark bronze</td> <td>TVG Terra verde green</td> </tr> <tr> <td>DNA Natural aluminum</td> <td>WH White</td> </tr> <tr> <td>GN Green</td> <td>CF Custom</td> </tr> <tr> <td>GR Gray</td> <td></td> </tr> </table>	BL Black	SND Sand	BZ Bronze	STG Steel gray	DDB Dark bronze	TVG Terra verde green	DNA Natural aluminum	WH White	GN Green	CF Custom	GR Gray	
BL Black	SND Sand														
BZ Bronze	STG Steel gray														
DDB Dark bronze	TVG Terra verde green														
DNA Natural aluminum	WH White														
GN Green	CF Custom														
GR Gray															

ADDITIONAL INFORMATION

For additional product information, visit www.hydre.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 120V only.
- 2 Separate ballast enclosure required.
- 3 Standard on metal halide lamps with GEB ballasts.
- 4 Not all distributions available with all lamp types; use NR when not choosing LPI on PAR lamps.
- 5 SF is available with 120V, 277V or 347V on HID only.
- 6 DF is available with 208V or 240V on HID only.
- 7 GEB default if MVOLT selected; only valid with metal halide lamps.
- 8 Only valid with yoke mount.

PRODUCT INFORMATION

4709



Intended Use

Designed for installation where cost and reliability are paramount.

Construction

Material: Die-cast aluminum.

Fasteners: Stainless steel.

Optics

Lens: Convex tempered glass (HID); lens optional on incandescent models.

Electrical

Lamp: Incandescent – PAR38, 250W max. HID – PAR38, 150W max.

Socket: Pulse-rated medium-base.

Installation

Mounting: 1/2" NPT adjustable knuckle.

Listings

U.L., C.U.L., suitable for wet locations.

ORDERING INFORMATION

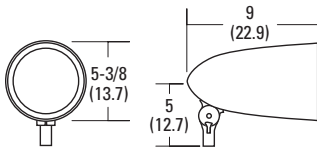
Example: 4709 P3870M 120 SP CLC SPCA LP BL

Series	Lamp type	Voltage	Distribution	Lens	Mounting accessories	Options	Lamped	Finish	
4709	Incandescent ¹	120	NR No reflector	CLC Convex lens clear ⁴	See page 675.	<u>Internal accessories</u> IHL Internal honeycomb louver <u>External accessories</u> GS Glare shield <u>Fusing</u> SF Single fuse ⁵ DF Double fuse ⁶ <u>Ballast</u> GEB Electronic ballast ⁷	LP Lamp installed	BL Black	STG Steel gray
	P38100I	208	SP Spot	CLA Convex lens amber				BZ Bronze	TVG Terra verde green
	P38150I	240	FL Flood	CLB Convex lens blue				DDB Dark bronze	WH White
	Metal halide ²	277		CLG Convex lens green				DNA Natural aluminum	CF Custom
	P3870CM	347		CLR Convex lens red				GN Green	
	P38100CM	120/277						GR Gray	
	P3870M	MVOLT ³						SND Sand	
	P38100M	TB							
	P38150M								

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Incandescent models valid with 120V only.
- 2 Separate ballast enclosure required for HID models.
- 3 Standard on metal halide lamps with GEB ballast.
- 4 CLC lens provided on all HID models, optional on incandescent.
- 5 SF available with 120V, 277V or 347V on HID only.
- 6 DF available with 208V, 220V or 240V on HID only.
- 7 Only available with metal halide lamps and MVOLT voltage.

4720



Intended Use

Designed for installations where function, appearance and durability are essential considerations.

Construction

The 4720 Series architectural accent light meets the most demanding requirements. Integral ballast with heavy cast aluminum construction adds up to a fixture of exceptional quality. The unit is weather-tight with a heat-resistant, tempered convex lens. Supplied as a knuckle-mounted unit.

Material: Heavy wall cast aluminum body and knuckle.

Fasteners: Stainless steel. External door fasteners are Teflon® coated stainless steel.

Optics

Distribution: Spot (SP) or medium flood (MFL).

Lens: Clear convex tempered glass.

Accessories: External glare control.

Electrical

Lamp: MH: (T-6), 150W max. HPS: T10, 100W max.

Socket: MH – T6, G12 bi-pin or RSC double-ended 150W max. HPS – T10, PG12 bi-pin.

Ballast: High power factor magnetic ballast standard. Ballast included in fixture head.

Installation

Mounting: 3/4" NPT male adjustable knuckle with self-releasing taper allows infinite vertical adjustment through 180°.

Listings

U.L.

ORDERING INFORMATION

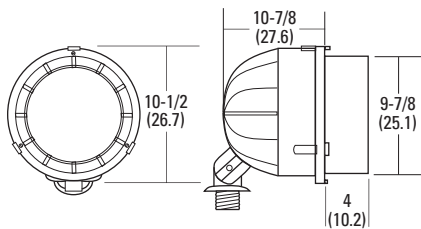
Example: 4720 150CMTD 120 SP PSSA IHL SF LPI BZ

Series	Lamp type	Voltage	Distribution	Mounting accessories ¹	Options	Lamped	Finish
4720	<u>Metal halide</u>	120	SP Spot	FJB Flush J-box	<u>Internal accessories</u>	LPI Lamp included	BZ Bronze
	70CMTD RSC	208	MFL Medium flood	PSSA Ped. stanchion mount 7" splice access	IHL Internal honeycomb louver		BL Black
	150CMTD RSC	220		SMSA_ 12" - 48" stanchion mount, available in 6" increments	<u>External accessories</u>		DDB Dark bronze
	70CMT6 G12	240		WMSA Wall mount splice access	FGS Full glare shield		DNA Natural aluminum
	150CMT6 G12	277			<u>Fusing</u>		GN Green
	<u>High pressure sodium</u>	347			SF Single fuse ²		GR Gray
	70SDW PG12	TB			DF Double fuse ³		SND Sand
	100SDW PG12				<u>Door clips</u>		STG Steel gray
					TDC Tool-less door clips		TVG Terra verde green
							WH White
						CF Custom finish	

ADDITIONAL INFORMATION

For additional product information, visit www.hydre.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 See individual mounting specification sheets for conduit/drilling options.
- 2 SF is only available with 120V, 277V or 347V on HID only.
- 3 DF is only available with 208V, 220V or 240V on HID only.

PRODUCT INFORMATION

4451
4452
4453



Intended Use

For use in outdoor wet locations, such as patios and pathways at hospitals, hotels, schools, airports and parking garages.

Construction

Material: Cast aluminum or cast bronze. Aluminum body black permabarred.

Fasteners: Stainless steel.

Accessories: Louver door, 45° cut-off.

Optics

Lens: Diffused, tempered glass for non-louvered door. Clear, tempered glass for louvered door.

Electrical

Lamp: Incandescent – 40W max, A19 lamp. Fluorescent – single or double 13W max. CFL twin tube or double twin tube.

Socket: Incandescent – Medium screw base. Fluorescent – 2G7 or GX24Q-1 base.

Ballast: Fluorescent – Electronic ballast high frequency with 0°F (-18°C) minimum starting temperature.

Conduit entry: 3/4" NPT side entries standard.

Listings

U.L., CSA, suitable for wet locations.

ORDERING INFORMATION

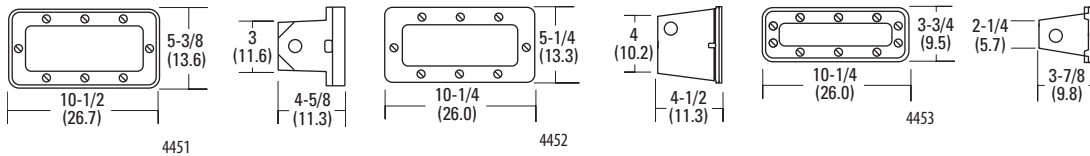
Example: 4451 A 13DTT 120 LPI SND

Series	Material	Lamp type	Voltage	Options	Lamped	Finish
4451	A Aluminum	<u>Incandescent</u>	120	<u>External accessories</u>	LPI Lamp included	BL Black
4452	B Bronze	40 ¹	277	LLV Louver door		BZ Bronze
4453		<u>Fluorescent</u>	347			DDB Dark bronze
		7TT				DNA Natural aluminum
		9TT				GN Green
		13DTT				GR Gray
		2/7TT ²				SND Sand
		2/9TT ²				
		2/13DTT ²				

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Incandescent models available with 120V only.
- 2 Only available with 4452.

4454 4456

Intended Use

For use in outdoor wet locations such as patios and pathways at hospitals, hotels, schools, airports and parking garages.

Construction

Material: 4454 – Cast aluminum or cast bronze. Aluminum body black permabarred. 4456 – Cast aluminum.
Fastener: Stainless steel.

Optics

Lens: Diffused, tempered glass for non-louvered door. Clear, tempered glass for louvered door.

Electrical

Lamp: HID – 50W max, E17 lamp.
Socket: Medium screw base, pulse-rated.
Ballast: HID – Magnetic ballast high power factor with -20°F (-29°C) minimum starting

temperature. Fluorescent – Electronic ballast high frequency with 0° F (-18°C) minimum starting temperature.

Conduit entry: 3/4" NPT side entries standard.

Listings

U.L., CSA, suitable for wet locations.



4454



4456

Example: 4456 42TRT 120 ELN LPI DDB

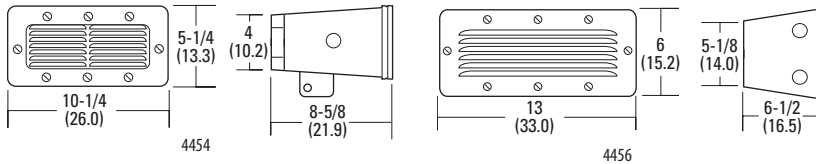
ORDERING INFORMATION

Series	Material ¹	Lamp type	Voltage	Options	Lamped	Finish
4454	A Aluminum	<u>Incandescent</u>	120	<u>Fusing</u>	LPI Lamp included	BL Black
4456	B Bronze	75I ^{2,3}	277	ELN Emergency battery backup ^{3,4}		BZ Bronze
		<u>Fluorescent³</u>	347	SF Single fuse ⁵		DDB Dark bronze
		18TRT	MVOLT ⁵	<u>External accessories</u>		DNA Natural aluminum
		26TRT		LLV Louver door		GN Green
		32TRT				GR Gray
		42TRT				SND Sand
						STG Steel gray
						TVG Terra verde green
						WH White
						CF Custom

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Not available with 4456.
- 2 Available in 120V only.
- 3 Not available with 4454.
- 4 Only available with fluorescent lamps.
- 5 Only available with metal halide lamps.

PRODUCT INFORMATION

4462

**Intended Use**

Meets installation requirements for wood and all (insulation) type IC applications. Fixtures are completely weatherproof with neoprene gasket and tempered lens.

Construction

Fixture housing and door: Heavy wall cast bronze construction. Natural bronze finish.

Gasket: Single piece, molded U-shaped silicone.

Cord: Minimum of 35' of #16-3ST submersible rated cord. Cord entrance is brass water-tight seal and epoxy encapsulated. Cord length must be specified.

Fasteners: Stainless steel.

Optics

Lens: Tempered borosilicate diffuse glass standard. Clear tempered borosilicate glass.

Electrical

Lamp: Incandescent – A19 90W max., 120V. Quartz halogen – T4 75W max.,

120V. Low-voltage – two MR16, 35W max. each.

Socket: Incandescent – Medium base. Quartz halogen – Mini-can screw base. Low-voltage – Gx5.3 bi-pin.

Installation

Niche: Stainless steel with cast bronze mounting frame which has provisions for locking fixture into position. Single conduit entrance is 3/4" NPT with 3/4" x 1/2" NPT reducer bushing.

System Features

Factory leak tested: Fixtures are tested at 10 PSI (0.70kg/cm²) internal pressure while totally submerged in water.

Listings

U.L., C.U.L., IP67.

ORDERING INFORMATION

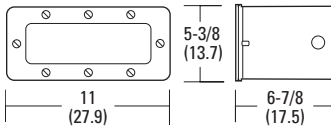
Example: 4462 2/M35 12 FL RG CSL50 LPI

Series	Lamp type	Voltage	Distribution	Options	Cord set length	Lamped
4462	Incandescent	12 ¹	NR No reflector ²	External accessories ³	CSL_ 35'-120' of cord ⁴	LPI Lamp included
	90I	120	SP Spot ²	LLV Louver door		
	Quartz		NSP Narrow spot ²	RG Rock guard		
	75Q		FL Flood			
	Low-voltage		NFL Narrow flood ²			
	2/M35		WFL Wide flood ²			

ADDITIONAL INFORMATION

For additional product information, visit www.hydre.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- Transformer sold separately. Only available with 2/M35.
- Only available with 2/M35.
- Accessories are mutually exclusive. Choose one.
- CSL 50 is maximum length for 12V fixtures.

M4534



Intended Use

This unique style and distinctive fixture are ideal for installation in sidewalks or promenades – designed to be recessed in concrete, flush to lower rim.

Construction

Material: Cast aluminum housing with integral 24" junction box (incandescent) or ballast box (HID, fluorescent).

Gasket: Molded silicone.

Glare control: Black finish
Glarefoil included.

Optics

Lens: Molded, tempered, borosilicate.

Electrical

Lamp: Incandescent – 60W max., A15 or T10/tubular. 100Q (quartz) 100W max., T4/tubular. HID – 100W max., E17/elliptical or T6/G12. Fluorescent – 32TRT, 32W max.

Socket: Quartz – Mini-can base. Fluorescent – Gx24Q-3 base. HID, incandescent – pulse-rated medium base.

Conduit entry: Two 3/4" NPT, 1/2" NPT side or bottom openings available.

Listings

U.L., C.U.L.

ORDERING INFORMATION

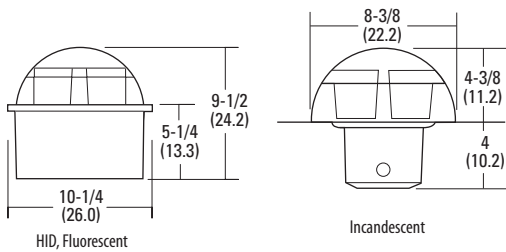
Example: M4534 70CMT6 MVOLT 34S MILS180 GEB LPI STG

Series	Lamp type		Voltage	Conduit entry	Options	Lamped	Finish		
M4534	Incandescent ¹	Metal halide	70CMT6	120	12B 1/2" NPT bottom	<u>Internal accessories</u>	LPI Lamp included	BL Black	STG Steel gray
	60I	50M	100CM	208	12S 1/2" NPT side	MILS90 Internal 90° light shield		BZ Bronze	TVG Terra verde green
	100Q	70M	High pressure sodium	240	34B 3/4" NPT bottom (default)	MILS180 Internal 180° light shield		DDB Dark bronze	WH White
	Fluorescent	100M		277	34S 3/4" NPT side	<u>Fusing</u>		DNA Natural aluminum	CF Custom
	18TRT	Ceramic metal halide	35S ¹	347		SF Single fuse ³		GN Green	
	26TRT		50S ¹	MVOLT ²		DF Double fuse ⁴		GR Gray	
	32TRT		70S			<u>Ballasts⁵</u>		SND Sand	
			35CMT6			GEB Electronic ballast			
			70CM			MLEBAD Electronic dimming ballast ⁶			
			100S						

ADDITIONAL INFORMATION

For additional product information, visit www.hydre.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Only available in 120V.
- 2 MVOLT is only available with fluorescent and metal halide lamps with GEB or MLEBAD options.
- 3 SF available with 120V, 277V or 347V and HID only.
- 4 DF available with 208V or 240V and HID only.
- 5 Only available with metal halide lamps and MVOLT voltage.
- 6 0-10V dimmer not included.

PRODUCT INFORMATION

4540

**Intended Use**

This unique and distinctive fixture has been custom designed for installation along park walkways and sidewalks.

Construction

Material: The bollard section is fabricated from heavy cast aluminum.

Rough-in section: Injection-molded ABS, U.V. stabilized, impact- and corrosion-resistant for use in all types of environments.

Optics

Lens: Molded tempered glass. 90° cutoff with internal louver.

Electrical

Lamp: HID – 100W max., E-17/elliptical or 70W T6/G12.

Socket: Pulse-rated medium base.

Conduit connection: Two 3/4" NPT bottom openings are standard in the cast aluminum integral junction box. Suitable for through-branch wiring, this box has 24" of volume.

Power module: Sealed unit encapsulated in an engineered composite resin to eliminate all water entry.

ORDERING INFORMATION

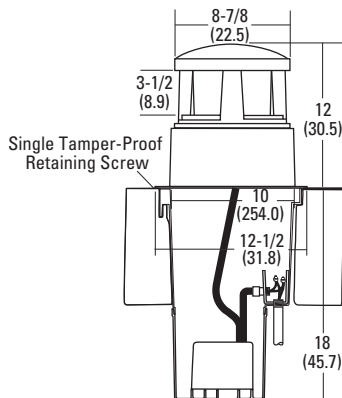
Example: 4540 70M 277 34B LP BL

Series	Lamp type	Voltage	Conduit entry	Options	Lamped	Finish
4540	<u>Metal halide</u>	120	12B 1/2" NPT bottom	<u>Internal accessories</u>	LP Lamp installed	BL Black
	50M	208	34B 3/4" NPT bottom (default)	MILS90 Internal 90° light shield		BZ Bronze
	70M	240		MILS180 Internal 180° light shield		DDB Dark bronze
	<u>Ceramic metal halide</u>	277		<u>Fusing</u>		DNA Natural aluminum
	35CMT4	347		SF Single fuse ²		GN Green
	35CMT6	MVOLT ¹		DF Double fuse ³		GR Gray
	70CM			<u>Ballast⁴</u>		SND Sand
	70CMT4			GEB Electronic ballast		
	70CMT6			MLEBAD Electronic dimming ballast ⁵		
					TVG Terra verde green	
					WH White	
					CF Custom	

ADDITIONAL INFORMATION

For additional product information, visit www.hydre.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- MVOLT is only available with GEB and MLEBAD options.
- SF available with 120V, 277V or 347V and HID only.
- DF available with 208V or 240V and HID only.
- Only available with MVOLT voltage.
- 0-10V dimmer not included.

M9450 M9460



Intended Use

Pathway and marker lights are multi-purpose units designed for high-traffic areas to be mounted in a variety of substrates. The M9460 Series also is suitable for drive-over applications and has been tested to withstand up to 22,000 lbs.

Construction

Rough-in section: Injection-molded ABS, U.V. stabilized impact- and corrosion-resistant for use in all type of environments.

Material: Top is cast aluminum.

Electrical

Conduit connection: Two 3/4" NPT bottom openings are standard in the cast aluminum integral junction box. Suitable for through-branch wiring, this box has 24" of volume.

Power module: Sealed unit encapsulated in an engineered composite resin to eliminate all water entry.

ORDERING INFORMATION

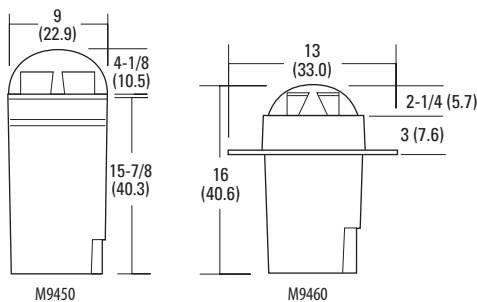
Example: M9450 18TRT MVOLT 12B LP SND

Series	Lamp type	Voltage	Conduit entry	Options	Lamped	Finish
M9450 Pathway light	Low-voltage ¹ 50QT3	Fluorescent ³ 18TRT 70CMT4 ⁴	12 ^{1,9} 120 125	12B 1/2" NPT bottom MILS90 Internal 90° light shield	Fusing SF Single fuse ⁵ DF Double fuse ⁶	LP Lamp installed BL Black BZ Bronze
M9460 Marker light	Incandescent ² 75Q Metal halide ³ 70M	26TRT 32TRT Ceramic metal halide 35CMT4 ¹ 35CMT6 70CM ³	208 240 277 347 34S 3/4" NPT side 1B 1" NPT bottom	MILS180 Internal 180° light shield External accessories ¹ XLS External glare shield 2XLS Two external glare shields	Ballast ⁷ GEB Electronic ballast MLEBAD Electronic dimming ballast ⁸	STG Steel gray TVG Terra verde green WH White CF Custom DNA Natural aluminum GN Green GR Gray SND Sand

ADDITIONAL INFORMATION

For additional product information, visit www.hydre.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Only available with M9460.
- 2 Only available in 120V.
- 3 Only available with M9450.
- 4 MVOLT is only available with fluorescent and metal halide lamps.
- 5 SF available with 120V, 277V or 347V and HID only.
- 6 DF available with 208V or 240V and HID only.
- 7 Only available with HID lamps and MVOLT voltage.
- 8 0-10V dimmer not included.
- 9 Low-voltage only; transformer sold separately.

PRODUCT INFORMATION

4595
4596
4597
4598



Intended Use

The graceful mushroom garden light is ideal for lighting flower beds, low planter areas, walkways and driveways, or any area where an unobstructed circular field of light is desired.

Construction

Material: Heavy-gauge cast bronze body with spun copper canopy.

Optics

Lens: Glass.

Electrical

Lamp: Quartz T3 20W max.

Socket: G4 bi-pin.

LED: Available with three LED or one LED boards. Wattage and lumen output will vary with number of LEDs on board, current supplied from driver and LED color.

LED driver: Sold separately. See BPTA/BPTP driver enclosure specification sheet for options.



ORDERING INFORMATION

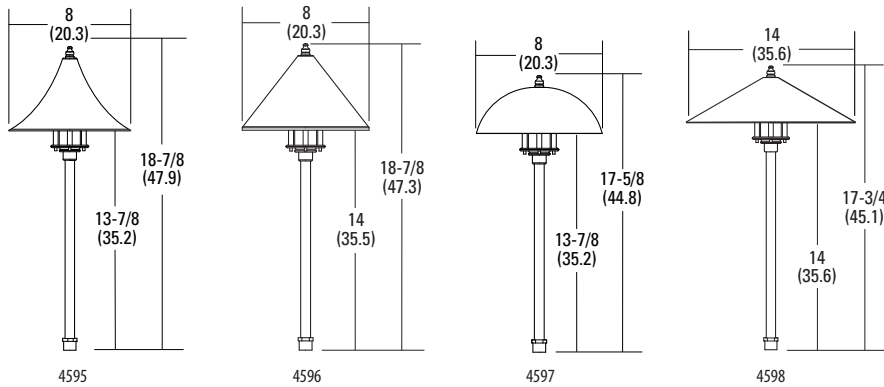
Example: 4595 20QT3 12 JBA LPI VBL

Series	Lamp type	Voltage	LED color	Options	Lamped	Finish ²
4595	20QT3	12 ¹	WMW Warm white	JBA J-box, aluminum	LPI Lamp included	VBL Black
4596	3CCLED Constant current (3 LED) ³		CLW Cool white	JBB J-box, bronze	LP LED installed ⁴	VBZ Bronze
4597	1CCLED Constant current (1 LED) ³					VGN Green
4598						VTVG Terra verde green
						VWH White

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Low-voltage transformer sold separately.
- 2 Vendor-supplied finish. Consult factory for details.
- 3 Driver sold separately. Do not specify voltage with LED. See spec sheet for driver options.
- 4 Only available with LED.

3110 3120 3130 3140

Intended Use

The 3100 Series bollard is a low-level area lighting luminaire for use in walkways, plazas or pedestrian areas.

Construction

Material: Copper-free aluminum A360.

Fasteners: Stainless steel.

Electrical

Lamp: Fluorescent – 42W max. triple tube. HID – 70W max. G12, 100W max. E17/elliptical. Low pressure sodium – T16, BY22d base.

Ballast: Integrally mounted core and coil electronic ballast with low starting temperature.

Listings

U.L., C.U.L., IP65, suitable for wet locations.



Example: 3130 36 100M MVOLT SYM GEB LPIC DNA

ORDERING INFORMATION

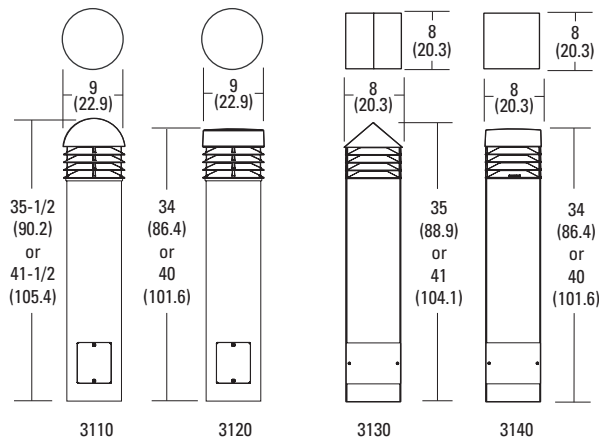
Series	Height	Lamp type		Voltage	Distribution	Options	
3110	36	<u>Incandescent</u> ⁸	<u>Metal halide</u> ⁵	<u>High pressure sodium</u> ⁵	120	SYM Symmetric	<u>Fusing</u> ²
3120	42	100I	50M	50S	208	FT Forward throw	SF Single fuse
3130		<u>Fluorescent</u>	70M	70S	240		DF Double fuse
3140		26DTT	100M	100S	277		<u>Ballast</u>
		32TRT	<u>Ceramic metal halide</u> ⁶	<u>Low pressure sodium</u>	347		GEB Electronic ballast ³
		42TRT	35CMT4	18L	120/277		GFCI Receptacle
			70CMT4	35L	MVOLT ¹		ELN Emergency battery backup (fluorescent lamp only), half output ⁷
			35CMT6		TB		ELH Emergency battery backup (fluorescent lamp only), full output ⁷
			70CMT6				

Lamped		Finish	
LPI	Lamp included	<u>Finish</u>	SND Sand
LPIC	Lamp included (coated) ⁴	BL Black	STG Steel gray
		BZ Bronze	TVG Terra verde green
		DDB Dark bronze	WH White
		DNA Natural aluminum	CF Custom
		GN Green	<u>Optional louvers painted</u>
		GR Gray	_ /PL Louvers painted to match fixture

ADDITIONAL INFORMATION

For additional product information, visit www.hydre.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- MVOLT is standard on all fluorescent lamps or metal halide lamps with GEB electronic ballasts.
- SF only valid with 120V, 277V or 347V. DF only valid with 208V or 240V, metal halide lamps only.
- Only available with metal halide lamps and MVOLT voltage.
- LPIC only valid with 50M, 70M, 100M, 50S, 70S, 100S, 100I.
- Will be provided with coated lamps unless LPI is chosen.
- T4 and T6 lamps will be provided with a frosted lens.
- Only valid with 42TRT, 32TRT and 26DTT. Must specify 120V or 277V.
- Incandescent lamps 120V only.

PRODUCT INFORMATION

G2® LOUVER BOLLARD



Intended Use
The G2® Bollard Series is designed to work in building perimeter areas and public spaces, completing a wide variety of architectural styles. The G2® bollard fixture offers an unmatched impact-resistant mounting and leveling design, ensuring life-long performance.

Construction
Material: Copper-free aluminum A360.

Finish: Polyester powder coated in a range of textured semi-matte.

Fasteners: Stainless steel.

Optics
Light wash: Choose between patent-pending LED color wash or light wash. The LED color wash option adds vibrant color to the bollard and creates the opportunity for customized applications. The optional light wash reflector illuminates the bollard base by redirecting light from main lamp source.

Electrical
Lamp: Fluorescent – 42W max., triple tube. HID – 70W max. G12; 100W max. E17.

Ballast: Integrally mounted core and coil, electronic ballast with low starting temperature.

Listings
U.L., C.U.L., IP65, suitable for wet locations.

IES cutoff.

ORDERING INFORMATION

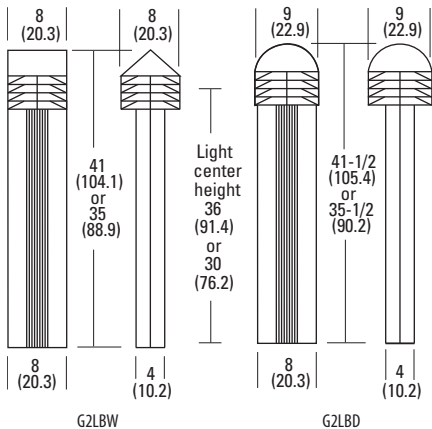
Example: G2LBD 36 100M MVOLT SYM LEDBF LEDCWB DCT GEB LPIC DNAT

Series	Height ¹	Lamp type	Voltage	Distribution	Light wash ⁴
G2LBD	36	Metal halide ²	120	SYM Symmetric	Bollard front
G2LBW	42	70M	208	FT Forward throw	LWF Light wash front
		100M	240		LEDAF LED color wash, amber front
		Ceramic metal halide ²	277		LEDBF LED color wash, blue front
		70CM	347		LEDRF LED color wash, red front
		100CM	120/277		LEDCWF LED color wash, cool white front
		35CMT6	MVOLT ³		LEDWWF LED color wash, warm white front
		70CMT6	TB		LEDRYF LED color wash, royal blue front

Light wash ⁴ (continued)	Option	Lamped ¹¹	Finish
Bollard back	Control	LPI Lamp included	Finish
LWB Light wash back	DCT Dual circuit ⁵	LPIC Lamp included (coated)	DBLB Designer black, textured
LEDAB LED color wash, amber back	Fusing		DSPD Dark gray, textured
LEDBB LED color wash, blue back	DF Double fuse ⁶		DNAT Natural aluminum, textured
LEDRB LED color wash, green back	SF Single fuse ⁷		DWHG Designer white, textured
LEDCWB LED color wash, cool white back	Ballast		DBBT Dark bronze, textured
LEDWWB LED color wash, warm white back	GEB Electronic ballast ⁸		DSPF Rust, textured
LEDRYB LED color wash, royal blue back	MLEBAD Electronic dimming ballast ^{8,9}		DSST Sandstone, textured
	ELN Emergency battery backup ¹⁰		CF Custom finish
			Optional louvers finishes
			_/PL Louvers to match ¹²

ADDITIONAL INFORMATION For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Bollard heights are nominal (shown in inches).
- All lamps (excluding 35CMT6 and 70CMT6) are coated as recommended unless LPI is specified.
- MVOLT standard with fluorescent lamps and metal halide lamps with electronic ballast option.
- Light options are mutually exclusive. Choose one per side. For single circuit wiring, LED light option not available with MVOLT or electronic ballast option operating at 277V, or with 347V. For DCT dual circuit option, secondary LED voltage required to be 120V (for primary voltages: 120V, 208V, 347V, MVOLT) or 240V (for primary voltages 240V or 277V).
- DCT available with LED color wash option only.
- SF available with 120V, 277V or 347V on HID fixtures only.
- DF available with 208V or 240V on HID fixtures only.
- Electronic ballast options available with metal halide lamps only.
- 0-10V remote analog dimmer system required (by others).
- Available with fluorescent only.
- LPIC recommended for E17 and ED17 lamps. Not available with fluorescent, 35CMT6 or 70CMT6 HID lamps.
- Standard louver finish: matte black top, high-gloss white bottom unless ___/PL is chosen. ___/PL is not recommended for DWHG white or other light color finishes due to increased visible glare and reduced fixture cutoff.

Intended Use

Pole-mounted dome or wedge-shaped enclosures house a range of high-performance optical systems for path, plaza and parking areas.

Construction

Material: Die-cast aluminum housing and door. Fixture fully sealed with silicone gasketing. All hardware pieces for door and mounting accessories are stainless steel. Suitable for wet location.

Finish: Polyester powder coated in a range of textured or semi-matte gray tone or earth tone colors.

Optics

Distribution: Area – IES Type II, IES Type III, IES Type IV, IES Type V.

Reflector: High-purity anodized specular, semi-specular or patterned lighting sheet in various configurations providing optimum optical performance. Reflectors are interchangeable. Segmented reflectors provide maximum

performance and uniformity. All HID sockets are porcelain medium-base or G12 based, pulse rated for 4KV.

Lens: Molded crowned tempered borosilicate.

Electrical

Lamp: HID –150W max. CF – 42W max.

Ballast: High power factor magnetic ballast standard. Electronic ballast also available. Ballast rated for low starting temperatures.

Installation

Mounting: Luminaire mounts to 4" square or 4" round pole, standard aluminum. A custom 3-3/4" square design pole with center line reveals also available.

Listings

U.L., C.U.L., IP65, IES full cut-off, suitable for wet locations.

G2® XTEND

Pole Mounted



ORDERING INFORMATION

Example: G2XW 150M 277 SR2 SPA OLS SF LPI DNAT

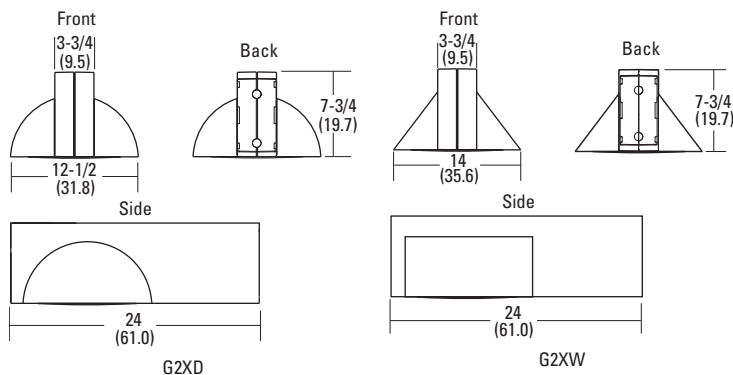
Series	Lamp type	Voltage	Distribution	Mounting	Options
G2XD Xtend dome	Metal halide	120	SR2 IES Type II	SPA Square pole mount	Internal accessories ²
G2XW Xtend wedge	Ceramic metal halide	208	SR3 IES Type III	RPA Round pole mount	IBS Internal backlight shield
	High pressure sodium	240	SR4SC IES Type IV		OLS Obscuring lens
	Fluorescent	220	SR5S IES Type V		Photocontrol
		277			PE Photocell
		347			
		120/277			
		MVOLT ¹			
		TB			

Options (continued)	Lamped	Finish
Fusing	LPI Lamp included	Finish
DF Double fuse ³		DBLB Designer black, textured
SF Single fuse ³		DSPD Dark gray, textured
Ballast		DNAT Natural aluminum, textured
GEB Electronic ballast ⁴		DWHG Designer white, textured
MLEBAD Electronic dimming ballast ^{4,5}		DDBT Dark bronze, textured
BLS Bi-level switching ⁶		
		DSPF Rust, textured
		DSST Sandstone, textured
		CF Custom finish
		Optional two-tone finishes
		___/GLS Gloss finish on dome/wedge
		___/POL Polished finish on dome

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- MVOLT is standard on all fluorescent or metal halide lamps with electronic ballast option.
- Accessories are mutually exclusive. Choose one.
- SF only valid with 120V, 277V or 347V. DF only valid with 208V or 240V; HID only.
- Electronic ballasts only are available with metal halide lamp types, 150W max.
- 0-10V dimmer required (by others).
- BLS only available for 150S.

Intended Use

G2®Edge is uniquely suited for mounting to columns and mullions. Choice of small-scale dome or wedge-shaped enclosures house a wide range of high-performance optical systems for safe and secure perimeter lighting, or accent or wallwash lighting effects.

Construction

Material: Die-cast aluminum housing and door. Fixture fully sealed with silicone gasketing. All hardware for door and mounting accessories are

stainless steel. Suitable for wet locations.

Finish: Polyester powder coated in a range of textured or semi-matte gray tone or earth tone colors.

Optics

Distribution: Area – IES Type II, IES Type III, IES Type IV, IES Type V. Flood – Narrow spot, spot, flood, wide flood, wall wash.

Reflector: High-purity anodized specular, semi-specular or patterned lighting sheet in various configurations

providing optimum optical performance. Reflectors are interchangeable. Reflectors include both segmented and precision-formed types to provide maximum performance and uniformity. All HID sockets are porcelain medium-base or G12 based, pulse rated for 4KV.

Lens: Molded crowned tempered borosilicate.

Electrical

Lamp: HID – 175W max. CF – 42W max.

Ballast: Integrally mounted. Ballasts are 100% factory tested, and rated for -20°C starting temperatures.

Installation

Mounting: Surface mounted over recessed, compact junction box or conduit stub-out.

Listings

U.L., C.U.L., IP65, IES full cut-off, suitable for wet locations.

G2® EDGE

Building Mounted



ORDERING INFORMATION

Example: G2EW DN 150M 277 SR2 STD FLC OLS SF LPI DNAT

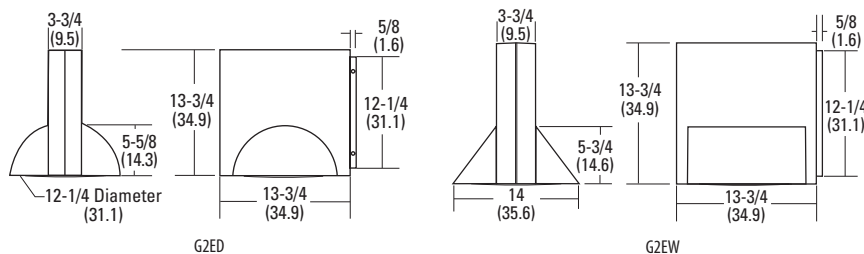
Series	Orientation	Lamp type	Voltage	Distribution	Mounting	Lens
G2ED Edge dome	DN Downlight UP Uplight	<u>Metal halide</u>	120 208 240 277 347 120/277 MVOLT ¹ TB	NSP Narrow spot ² SP Spot FL Flood WFL Wide flood WWD Wall wash ³	STD Standard for mounting on stub-out, or 3" wide or less junction box E4S 40 or 4S junction box cover STDDE Standard direct entry 3/4" NPT	FLC FLC5
		<u>Ceramic metal halide</u>				
		<u>High pressure sodium</u>				
G2EW Edge wedge		70M	70CM	70S		
		100M	100CM	150S		
		150M	150CM	<u>Fluorescent</u>		
			70CMT6	26TRT		
			150CMT6	32TRT 42TRT		

Options	Lamped	Finish
<u>Internal accessories⁴</u>	LPI Lamp included	<u>Finish</u>
IBS Internal backlight shield		DBLB Designer black, textured
OLS Obscuring lens		DSPD Dark gray, textured
CFAMB Color filter amber		DNAT Natural aluminum, textured
CFBLU Color filter blue		DWHG Designer white, textured
CFGRN Color filter green		DDBT Dark bronze, textured
CFRED Color filter red		DSPF Rust, textured
<u>Photocontrol</u>		DSST Sandstone, textured
PE Photocell		CF Custom finish
<u>Fusing⁵</u>		<u>Optional two-tone finish</u>
DF Double fuse		___/ GLS Gloss finish on dome/wedge
SF Single fuse		___/ POL Polished finish on dome
<u>Ballast</u>		
GEB Electronic ballast ⁶		
MLEBAD Electronic dimming ballast ^{6,7}		
BLS Bi-level switching ⁸		

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- MVOLT is standard on all fluorescent and metal halide lamps with electronic ballast option.
- NSP only available with 70CMT6 and 150CMT6.
- WWD includes 14" extended wall mount; consult factory.
- Accessories are mutually exclusive. Choose one.
- SF only valid with 120V, 277V or 347V. DF only valid with 208V or 240V; HID only.
- Electronic ballasts only are available with metal halide lamps, 150W max.
- 0-10V dimmer required (by others).
- BLS only available for 150S.

PRODUCT INFORMATION

HP3 HP4



Intended Use

Ideal for schools, parking garages, walkways, airports and stadiums.

Construction

Housing: One-piece aluminum die-casting having knockouts for 4-0 box entry or independent surface mounting integrated. Accessories include a cast aluminum splice box for direct conduit entry. This unit also is suitable for pole-, pendant- or base-mounted applications.

Optics

HP3 lens: Molded from clear,

UV stabilized polycarbonate for maximum impact resistance.

HP4 lens: Unit is provided with a vandal-resistant prismatic lens door. This clear polycarbonate lens creates a 180° lateral spread. Flat polycarbonate or tempered glass lens also available.

HP3 distribution: See ordering guide.

HP4 distribution: High-performance three-piece specular reflector assembly is adjustable through a 70° to 85° sharp cutoff range. IES Type III

and IV distributions are achievable to 180° lateral spread.

The lens door seals with silicone gaskets providing bug and water tightness. The door is affixed to the housing with stainless steel tamper-proof fasteners.

Electrical

Lamp: Metal halide or high pressure sodium.

HP3: 150W max. with medium screw base.

HP4: 250W max. with mogul screw base.

Ballast: Magnetic, high power factor; minimum starting temperature is -20°F (-29°C).

Installation

Mounting: To surface-mount over recessed 4-0 box, or with recessed post, base or direct conduit. Also available as pendant mount.

Listings

U.L., CSA, suitable for wet locations.

ORDERING INFORMATION

Example: HP3 150M 120 HFW SDE SF LPI BL

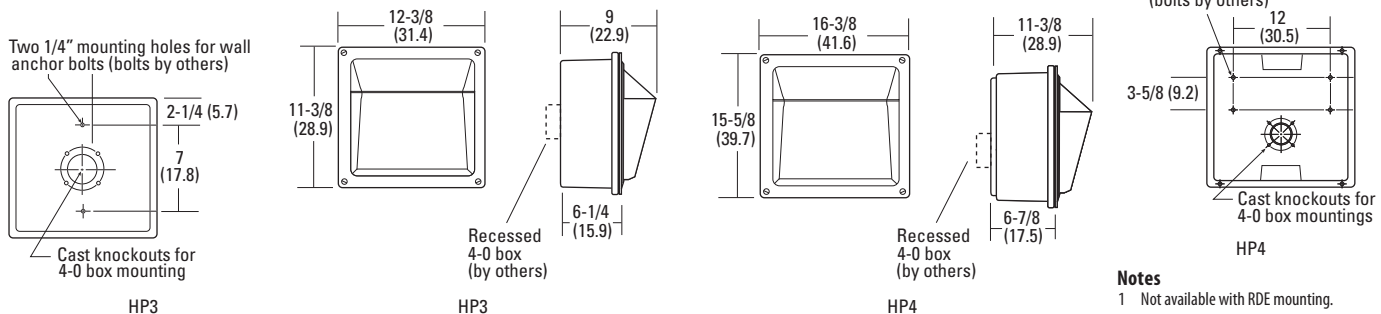
Series	Lamp type		Voltage	Distribution	Lens ³
HP3	Metal halide HP3	Metal halide HP4	120	HP3	HP4
HP4	50M	200M ²	208	HFW High forward wall	FLG Flat lens tempered glass
	70M	250M ²	240	LHW Low horizontal wall	FLP Flat lens polycarbonate
	100M	High pressure sodium HP3	277	LFW Low forward wall	
	150M ^{1,2}	High pressure sodium HP4	347	LLW Low left wall	
			250S ²	120/277	LRW Low right wall
		70S	TB	HSC High symmetrical ceiling	
				HNC High narrow ceiling	
				HAC High asymmetrical ceiling	

Mounting	Options	Lamped	Finish
<p>HP3 and HP4</p> <p>BMS Base mount, single</p> <p>PMS Pole, single</p> <p>RSB Recessed, splice box</p> <p>SNB Surface, no box</p> <p>SPM Pendant, single</p> <p>SSB Surface, splice box</p>	<p>HP3</p> <p>PFD Plaster frame, direct entry</p> <p>PFS Plaster frame, splice box</p> <p>RDE Recessed, direct entry</p> <p>SDE Surface, direct entry</p>	<p>Fusing</p> <p>SF Single fuse⁴</p> <p>DF Double fuse⁵</p> <p>Receptacle</p> <p>PER Photocontrol receptacle^{1,2,6}</p> <p>Re-strike</p> <p>QRS Quartz emergency re-strike</p> <p>Ballast</p> <p>SCWA Super constant wattage ballast⁷</p>	<p>LPI Lamp included</p> <p>BL Black</p> <p>BZ Bronze</p> <p>GN Green</p> <p>GR Gray</p> <p>WH White</p> <p>CF Custom</p>

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Not available with RDE mounting.
- 2 Not available with RSB mounting.
- 3 150W maximum; reflector is not adjustable with this lens.
- 4 SF only is available with 120V, 277V or 347V on MH only.
- 5 DF only is available with 208V or 240V on MH only.
- 6 NEMA twist-lock receptacle only. Photocontrol by others.
- 7 Required on 200M and 250M metal halide lamps.

4760

T5/T5HO Linear Fluorescent Canopy and Parking Garage



Example: 4760 2/54T5HO MVOLT GRG CM LPI DWH

Intended Use

The Hydrel 4760 Series of linear fluorescent lighting fixtures bring the high performance of T5 and T5HO lamps to the outdoors. With the 4760 Series patent-pending Polarpack® cold-weather option, full light output is now a reality to 0°F (-18°C). The T5 and T5HO lamp performance, high-output optical system, and simple architectural lines make this fixture series ideal for spreading soft, even illumination under canopies, covered walkways

and garages. The 4760 Series linear fluorescent offers a high-efficiency fluorescent option to the outdoor lighting market.

Construction

Material: Extruded 6063-T4 aluminum with die-cast A360 aluminum end caps. All fasteners are stainless steel. Tamper-proof hardware.

Optics

Distribution: CNP – Canopy. GRG – Garage. VCNP – Volumetric Canopy.

Lens: Curved high-strength optical-grade clear acrylic. Internal diffusion film options available. House-side shield, flush source shield.

Electrical

Lamp: Fluorescent – 54W max. T5 or T5HO (two lamps).

Socket: G5 miniature bi-pin.

Voltage: Multi-volt (120-277V 50/60 Hz), 347V.

Ballast: Integral electronic multi-volt, thermally protected, resetting, class P, HPF, A+ sound-rated, -20°F

(-29°C) minimum starting temperature. Polarpack® cold-weather start options and emergency battery back-up options are available.

Installation

Ceiling-mounted over recessed box conduit stub-out or pendant-mounted is not end-to-end. Various pendant lengths.

Listings

U.L., CUL



ORDERING INFORMATION

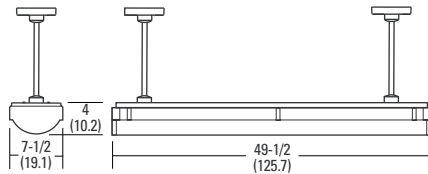
Series	Lamp type	Voltage	Distribution	Mounting
4760	2/28T5 Two T5, miniature bi-pin	MVOLT	CNP Canopy	CM Ceiling mount
	2/54T5HO Two T5HO, miniature bi-pin	120 ⁴	VCNP Volumetric canopy	PDMMD_ Pendant mount damp location; specify length 6-48" in 6" increments ¹
		277 ⁴	GRG Garage	PDMW_ Pendant mount wet location; specify length 6-48" in 6" increments ¹
		347		

Options	Lamped	Finish
<p>External accessories</p> <p>HS House side shield</p> <p>FSS Flush source shield</p> <p>Hardware option</p> <p>TPH Tamper-proof hardware</p> <p>Ballast</p> <p>ELN Emergency battery back-up⁵</p> <p>GEB95S 0.95 ballast factor, step dimming³</p>	<p>LPI 3000K lamp included</p> <p>LP35K 3500K lamp included</p> <p>LP41K 4100K lamp included</p>	<p>DWH Gloss white (standard)</p> <p>BL Black</p> <p>BZ Bronze</p> <p>WH White</p> <p>DDB Dark bronze</p> <p>DNA Natural aluminum</p> <p>GR Gray</p> <p>SND Sand</p> <p>STG Steel gray</p> <p>CF Custom finish</p>
<p>Polarpack®</p> <p>PLPKX Polarpack® cold-weather start option 120V</p> <p>PLPKY Polarpack® cold-weather start option 347V⁶</p> <p>PLPKZ Polarpack® cold-weather start option 208-277V</p> <p>Mounting option</p> <p>EQSM Earthquake seismic mount²</p>		

ADDITIONAL INFORMATION

For additional product information, visit www.hydreel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 12" standard length if not specified.
- 2 Option required for PDM and PDMW installations located in areas subject to seismic activity. Not available with CM mount.
- 3 Only available for 2/28T5 lamp type.
- 4 Only available if ELN is chosen.
- 5 Must choose 120V or 277V. MVOLT and 347V not available.
- 6 Not available with ELN or MVOLT.

4426 BM

LED Base Mount - Monochromatic
LED Base Mount - Dynamic RGB



Intended Use

The 4426 base mount is designed for use in fountains, reflecting pools and for illuminating waterfalls.

Monochromatic: A non-dimming, one-color light output available in cool white, warm white, amber, blue, cyan, green, royal blue and red monochromatic colors. The system shall be composed of two components: 1) LED array board and 2) driver. The LED driver powers via constant current. With a constant current driver, LED lumen output does not change with temperature variations.

Dynamic RGB: This unit uses a red, green and blue (RGB) underwater color-balanced LED array to create DMX-controlled color changing lighting effects. Color control is achieved through four channels per fixture,

standard DMX512 hardware, at a maximum of 44 frames per second. All channels have logarithmic power for finer color and intensity control. The fourth channel, intensity, allows the user to vary brightness without affecting the color. The integral power supply and DMX control modules are enclosed in an attached sealed bronze combination box. The proprietary DMX control module senses the LED temperature and adjusts the LED power accordingly to yield a lamp life of up to 50,000 hours of operation. This lamp life exceeds any other fixture designed for this use. For power and signal hook-up, the integral combination box includes a minimum of 10' of submersible rated power cable and a minimum of 10' of submersible rated DMX signal cable.

Construction

Fixture housing, rock guard and base: Heavy wall cast bronze construction. Natural cast bronze finish.

Gasket: Single-piece molded U-shaped silicone gasket.

Fasteners: Stainless steel.

Cord (monochromatic): Minimum of 10' of #16/3ST submersible rated cord for standard 120VAC line. Cord entrance is epoxy encapsulated. Cord length must be specified.

Cord (dynamic RGB): Minimum of 10' of submersible rated data cord for DMX512 signal.

Optics

Lens: Clear flat tempered borosilicate.

Electrical

Voltage: 120VAC 60HZ only.

LED (monochromatic): 60W

monochromatic LED (LED board included).

LED (dynamic RGB): 60W RGB LED array. (LED board included).

Control: Standard DMX512. Three channels per fixture: red, blue, green or four channels per fixture: red, green, blue and intensity.

Low-water protection. Monochromatic: Temperature-sensing, low-water cutoff standard.

Dynamic RGB: Temperature sensing circuit reduces power to LEDs to prevent damage.

Listings

UL Listed.

Factory leak tested: Fixtures are tested at 10 PSI (0.70kg/cm²) internal pressure while totally submerged in water.



ORDERING INFORMATION

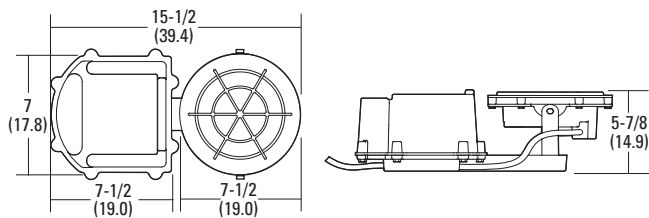
Example: 4426 B 60LED CLW 120 SP FLC BM CSL50

Series	Material	LED type	LED color	Voltage	Distribution	Lens	Mounting
4426	B Bronze SWB Saltwater bronze	60LED 60W	CLW Cool white WMW Warm white AMB Amber BLU Blue GRN Green RBL Royal blue RED Red RGB Mixing	120	SP Spot MFL Medium flood WFL Wide flood	FLC Flat lens clear	BM Base mount
Control		Communication to fixture	Channel	Cord set length		Lamped	
RGB LED only 3DMX 3-channel DMX 512 4DMX 4-channel DMX 512		RGB LED only DDX Direct DMX	RGB LED only ST_ Static ¹ SQ_ Sequential (specify starting channel) ² CCHAN Custom channels ³	CSL_ 10'-120' of cord available in 5' increments		LP Lamp installed	

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Static channels – all fixtures will be programmed with the same set of numbers, specify starting number.
- Static channels – all fixtures will be programmed with the same set of numbers, specify starting number.
- Consult factory.

PRODUCT INFORMATION

Intended Use

The 4426 niche mount is designed for use in fountains, reflecting pools and for illuminating waterfalls.

Monochromatic: These units offer cool white, warm white, amber, blue, cyan, green, royal blue and red monochromatic colors. The system shall be composed of two components: 1) LED array board and 2) driver. The LED driver powers via constant current. With a constant current driver, LED lumen output does not change with temperature variations. Hydrel's monochromatic system is a non-dimming, one-color light output.

Dynamic RGB: This unit uses a red, green and blue (RGB) underwater color-balanced LED array to create DMX-controlled color-changing lighting effects. Color control is achieved through four channels per fixture,

standard DMX512 hardware, at a maximum of 44 frames per second. All channels have logarithmic power for finer color and intensity control. The fourth channel, intensity, allows the user to vary brightness without affecting the color. The integral power supply and DMX control modules are enclosed in an attached sealed bronze construction. The proprietary DMX control module senses the LED temperature and adjusts the LED power accordingly to yield a lamp life of up to 50,000 hours of operation. This lamp life exceeds any other fixture designed for this use. For power and signal hook-up, the integral combination box includes a minimum of 10' of submersible rated power cable and a minimum of 10' of submersible rated DMX signal cable.

Construction

Fixture housing, rock guard and base: Heavy wall cast

bronze construction. Natural cast bronze finish.

Gasket: Single-piece molded U-shaped silicone gasket.

Fasteners: Stainless steel.

Cord (monochromatic): Minimum of 10' of #16/3ST submersible rated cord for standard 120VAC line. Cord entrance is epoxy encapsulated. Cord length must be specified.

Cord (dynamic RGB): Minimum of 10' of #16/3ST submersible rated cord for standard 120VAC line, minimum of 25' of submersible rated data cord for DMX512 signal. Cord entrance is epoxy encapsulated. Cord length must be specified.

Optics

Lens: Clear flat tempered borosilicate.

Electrical

Voltage: 120VAC 60HZ only.
LED type (monochromatic):

60W monochromatic LED. (LED board included.)

LED type (dynamic): 60W RGB LED array. (LED board included.)

Control (dynamic RGB): Standard DMX512. Three channels per fixture: red, blue, green, or four channels per fixture: red, green, blue and intensity.

Communication to fixture (dynamic RGB): DMX512 direct.

Low-water protection (monochromatic): Temperature-sensing low-water cutoff standard.

Lower-water protection (dynamic RGB): Temperature-sensing circuit reduces power to LEDs to prevent damage.

Listings

UL Listed.

Factory leak tested: Fixtures are tested at 10 PSI (0.70kg/cm²) internal pressure while totally submerged in water.

4426 NM

LED Niche Mount - Monochromatic
LED Niche Mount - Dynamic RGB



ORDERING INFORMATION

Example: 4426 B 60LED RGB 120 WFL CLS NM 4DMX DDX ST3 CSL50

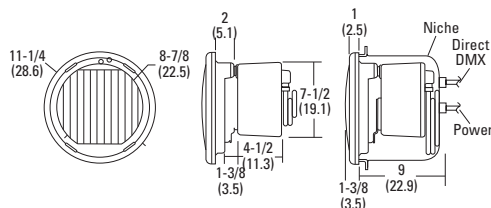
Series	Material	LED type	LED color	Voltage	Distribution	Lens	Mounting	Control
4426	B Bronze	60LED 60W	RGB Mixing	120	WFL Wide flood	CLS Convex lens swim	NM Niche mount	RGB LED only
	SWB Saltwater bronze	96LED 96W	CLW Cool white					3DMX 3-channel DMX 512
	SS Stainless steel		WWW Warm white					4DMX 4-channel DMX 512
			AMB Amber					
			BLU Blue					
			GRN Green					
			RBL Royal blue					
			RED Red					

Communication to fixture	Channel	Cord set length	Lamped
RGB LED only DDX Direct DMX	RGB LED only ST_ Static ¹ SQ_ Sequential (specify starting channel) ² CCHAN Custom channels ³	CSL_ 35'-120' of cord available in 5' increments	LP Lamp included

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 All fixtures will be programmed with the same set of numbers, specify starting numbers.
- 2 Fixtures will be programmed sequentially starting with the number provided by customer.
- 3 Consult factory.

PRODUCT INFORMATION

4424 BM/YM 4427 BM/YM



Intended Use
Lighting for fountains and reflecting pools – base/ yoke mount.

Construction
Heavy-duty cast bronze.

ORDERING INFORMATION

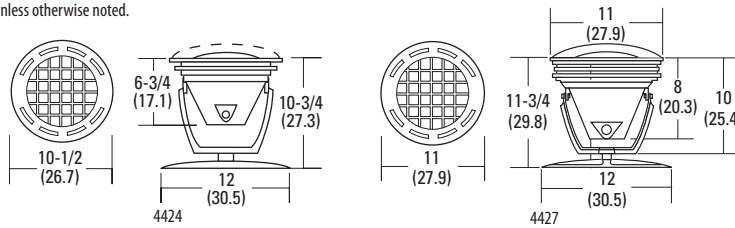
Example: 4424 P56500I 120 MFL CLC YM CSL120 LPI

Series	Lamp type	Voltage	Distribution	Lens	Mounting	Mounting accessories ⁵	Cord set length	Lamped	Options
4424	Incandescent	Low-voltage ⁹	12 ²	MFL Medium flood	CLC Convex lens clear ⁴	BM Base mount	RSR_ 4"-24" riser stem available in 2" increments ⁷	LPI Lamp included	CSA Meets Canadian Standards
4427	P64500I ¹ P641000I ¹ P56300I ⁹ P56500I ⁹	P56240ILV P56300ILV ³	120	NSP Narrow spot WFL Wide flood	CLA Convex lens amber CLB Convex lens blue CLG Convex lens green CLR Convex lens red	YM Yoke mount ⁵ ALB Adjustable locking base	CSL_ 10'-120' of cord available in 5' increments ⁸	LPI Lamp included	CSA Meets Canadian Standards

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Available with 4427 only.
- 2 Transformer sold separately.
- 3 Available in WFL only.
- 4 CLC is the default.
- 5 Consult www.hydel.com for yoke mount dimensions.
- 6 Mounting accessories with ALB only.
- 7 RSR6 – default with ALB.
- 8 CSL50 max. cord length for 12V.
- 9 Available with 4424 only.

PRODUCT INFORMATION

4800 BM/YM



Intended Use
Lighting for fountains and reflecting pools – base/ yoke mount.

Construction
Heavy-duty cast bronze.

ORDERING INFORMATION

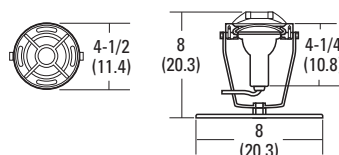
Example: 4800 100Q 120 FL CLC BM CSL90 LP

Series	Lamp type	Voltage	Distribution ³	Lens	Mounting	Cord set length	Lamped	Options
4800	Incandescent	12 ²	FL Flood	CLC Convex lens clear ⁴	BM Base mount	CSL_ 10'-120' of cord available in 5' increments ⁷	LP Lamp installed	CSA Meets Canadian Standards
	100Q 150Q Low-voltage ¹ M75	120		CLF Convex lens frosted CLA Convex lens amber CLB Convex lens blue ⁵ CLG Convex lens green ⁵ CLR Convex lens red	YM Yoke mount ⁶			

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 Other wattages available by request.
- 2 Transformer sold separately.
- 3 Distribution included on 12V only.
- 4 CLC is the default.
- 5 CLB and CLG not available with 150Q.
- 6 Consult www.hydel.com for yoke mount dimensions.
- 7 CSL50 max. cord length for 12V.

Intended Use
Lighting for fountains and reflecting pools – niche mount.

4415 NM 4424 NM



4415 NM



4424 NM

Example: 4415 3/M50 12 FL NM 34B RG CSL50 LPI

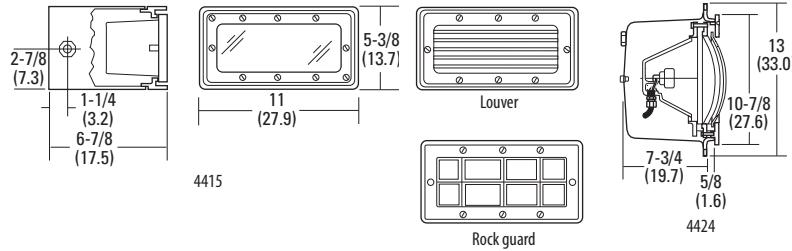
ORDERING INFORMATION

Series	Lamp type	Voltage	Distribution	Lens ⁴	Mounting	Conduit entry	Options ⁵	Cord set length ⁷	Lamped	Options
4415	Incandescent 4415	Low-voltage	12 ²	4424	NM Niche mount	4424	RG Rock guard	CSL_ 35'-120' of cord available in 5' increments	LPI Lamp included	4424 CSA Certified
4424	1161 200QT3 300QT3 Incandescent 4424	120	NSP Narrow spot MFL Medium flood WFL Wide flood	CLC Convex lens clear ⁴ CLA Convex lens amber CLB Convex lens blue CLG Convex lens green CLR Convex lens red		34B 3/4" NPT bottom 4415 34S 3/4" NPT side	LLV Louver ⁶			
	P563001 P565001 ¹	Low-voltage 4424 P562401LV P563001LV ¹	FL Flood ³							

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 4424: P563001LV (12V) and P565001 (120V) default.
- 2 Transformer sold separately.
- 3 Other distributions available on 3/M50 and 3/M75 only.
- 4 CLC – default.
- 5 Required for floor-mounted fixtures.
- 6 Available with 4415 only.
- 7 CL50 max. cord length for 12V fixtures.

PRODUCT INFORMATION

Intended Use
Lighting for fountains and reflecting pools – niche mount.

4800 NM



ORDERING INFORMATION

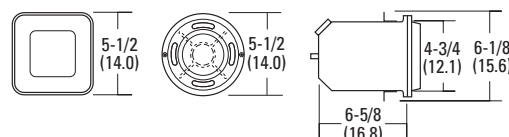
Example: 4800 RD SS 100Q 120 FL CLC NM 3445B CSL75 LP

Series	Door	Material	Lamp type	Voltage	Distribution ³	Lens	Mounting	Conduit entry	Options	Cord set length	Lamped	Options
4800	RD Round, adjustable SQ Square, fixed	B Bronze SS Stainless steel ⁷	Incandescent 100Q 150Q Low-voltage M75 ¹	12 ² 120	FL Flood	CLC Convex lens clear ⁴ CLF Convex lens frosted CLA Convex lens amber CLB Convex lens blue ⁵ CLG Convex lens green ⁵ CLR Convex lens red	NM Niche mount	3445B 3/4" at 45°	RG Rock guard ^{6,7}	CSL_ 35'-120' of cord available in 5' increments ⁸	LPI Lamp included	CSA Meets Canadian Standards

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

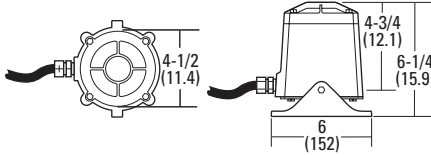
- 1 Other wattage available by request.
- 2 Transformer sold separately.
- 3 Distribution included on 12V only.
- 4 CLC is the default.
- 5 Not available with 150Q.
- 6 Required for floor-mounted fixtures.
- 7 SS material not available with rock guard.
- 8 CSL50 max. cord length for 12V.

PRODUCT INFORMATION

4409 BM



Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Intended Use

Lighting for fountains and reflecting pools – base/yoke mount.

Construction

Heavy-duty cast bronze.

ORDERING INFORMATION

Example: 4409 100QT3 120 FLC BM CSL120 LP

Series	Lamp type	Voltage	Lens	Mounting	Options	Cord set length	Lamped
4409	75QT3	12 ¹	FLC Flat lens clear	BM Base mount	DCFAMB Color filter amber	CSL_ 10'-120' of cord available in 5' increments ²	LP Lamp included
	100QT3	120			DCFBLU Color filter blue		
			DCFGRN Color filter green				
			DCFRED Color filter red				

Notes

- 1 Transformer sold separately.
- 2 50' max cord length for 12V fixtures.

ADDITIONAL INFORMATION

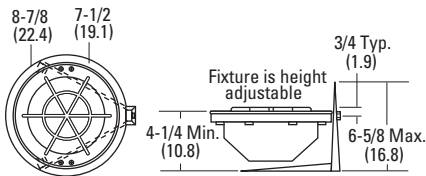
For additional product information, visit www.hydel.com.

PRODUCT INFORMATION

4413 BM



Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Intended Use

Lighting for fountains and reflecting pools – base/yoke mount.

Construction

Heavy-duty cast bronze.

ORDERING INFORMATION

Example: 4413 500Q 120 FL FLC BM CSL80 LPI

Series	Lamp type	Voltage	Distribution	Lens	Mounting	Cord set length	Lamped	Options
4413	100Q	120	SP Spot	FLC Flat lens clear	BM Base mount	CSL_ 10'-120' of cord available in 5' increments	LPI Lamp included	CSA Meets Canadian Standards
	150Q							
	200Q		FL Flood	FLAM Flat lens amber				
	250Q			FLG Flat lens green				
	300QT4		FLR Flat lens red					
	400QT4							
	500Q							

ADDITIONAL INFORMATION

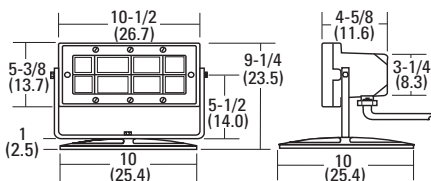
For additional product information, visit www.hydel.com.

PRODUCT INFORMATION

4415 BM/YM



Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Intended Use

Lighting for fountains and reflecting pools – base/yoke mount.

Construction

Heavy-duty cast bronze.

ORDERING INFORMATION

Example: 4415 3/M50 12 FL ALB RSR12 CSL40 LPI

Series	Lamp type	Voltage	Distribution ²	Mounting	Mounting accessories ³	Cord set length	Lamped	Options	
4415	Incandescent	12 ¹	FL Flood	BM Base mount	RSR_ 4"-24" riser stem available in 2" increments ⁴	CSL_ 10'-120' of cord available in 5' increments ⁵	LPI Lamp included	CSA Meets Canadian Standards	
	116I								
	Quartz								YM Yoke mount ⁷
	200Q								ALB Adjustable locking base
	300Q								
	Low-voltage								
3/M50 ^{2,6}									
3/M75 ^{2,6}									

Notes

- 1 Transformer sold separately.
- 2 Other distributions available for the 3/M50 and the 3/M75 only.
- 3 Available with ALB mount only.

- 4 RSR6 default with ALB.
- 5 50' max cord length for 12V fixtures.
- 6 Available in 12V only.
- 7 Consult www.hydel.com for yoke mount dimensions.

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Intended Use
Swimming pool fixtures.
Maximum wattages of each lamp type listed. Lower wattages available; consult www.hydel.com for more information.

4425 NM SWM 4427 NM SWM



ORDERING INFORMATION

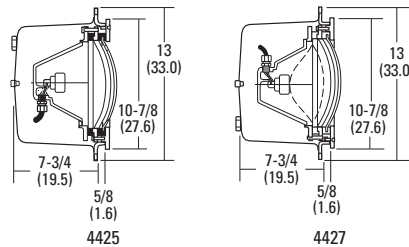
Example: 4425 B P56300ILV 12 WFL CLS NM 1B CSL50 SWM LPI

Series	Material	Lamp type	Voltage	Distribution	Lens	Mounting	Conduit entry	Cord set length	Application	Lamped	Options
4425	B Bronze	Low-voltage ^{1,2}	12 ^{1,2}	MFL Medium flood	CLS Convex lens swim	NM Niche mount	120V only	CSL_ 35'-120' of cord available in 5' increments ⁴	SWM Swimming pool	LPI Lamp included	CSA Meets Canadian Standards
4427	SS Stainless steel bezel	P56300ILV ⁵ Incandescent P56500 ² P64500 ³ P641000 ³	120	NSP Narrow spot WFL Wide flood	CLSA Convex lens swim amber CLSB Convex lens swim blue CLSG Convex lens swim green CLSR Convex lens swim red		34B 3/4" NPT bottom 12V only ² 1B 1" NPT bottom				

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 12V only; transformer sold separately.
- 2 Only available with 4425.
- 3 Only available with 4427.
- 4 50' maximum cord length on 12V fixtures.
- 5 P56300ILV only available with WFL distribution.

PRODUCT INFORMATION

Intended Use
Swimming pool fixture.

4800 NM SWM



ORDERING INFORMATION

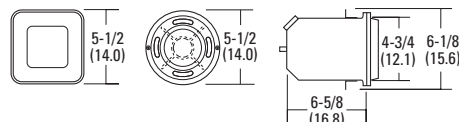
Example: 4800 RD B M75 12 FL CL NM 3445B CSL50 SWM LP

Series	Door	Material	Lamp type	Voltage	Distribution	Lens	Mounting	Conduit entry	Cord set length ⁴	Application	Lamped	Options
4800	RD Round SQ Square	B Bronze SS Stainless steel bezel	Low-voltage ¹ M75 Incandescent 100Q 150Q	12 ¹ 120	FL Flood ³	CLS Convex lens swim CLA Convex lens amber CLB Convex lens blue CLG Convex lens green CLR Convex lens red CLC Convex lens clear	NM Niche mount	3445B 3/4" NPT at 45°	CSL_ 35'-120' of cord available in 5' increments ²	SWM Swimming pool	LP Lamp installed	CSA Meets Canadian Standards

ADDITIONAL INFORMATION

For additional product information, visit www.hydel.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 12V only; transformer sold separately.
- 2 50' maximum cord length on 12V fixtures.
- 3 Only available with M75 lamp; otherwise leave blank.

PRODUCT INFORMATION

MISCELLANEOUS

Complementing their underwater lights, is Hydrel's full line of accessories – manufactured to the high standards required for underwater fountain and pool products.

Colored Lenses

Green, red, amber and blue available for most fixtures.



Potting Compound

PC21 is a re-enterable potting compound which pours yellow and cures transparent so connections are easily located. It meets NEC requirements for potting underwater junction boxes.



CATALOG NUMBER	DESCRIPTION
PC21	35 CU. IN.
PC2112	20 CU. IN.

Low-Voltage Transformers

Low-voltage lighting fixtures require that the line voltages be stepped down. This is normally accomplished with a transformer or a series of transformers located in the pool equipment area. Hydrel offers such parts in sizes from 100W to 1000W.

Notes

Special consideration must be given to the length of cords used with low-voltage underwater fixtures.

CATALOG NUMBER	DESCRIPTION
T1901	100W transformer
T1903	300W transformer
T1904	1000W transformer
T1905	500W transformer

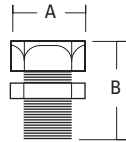
T1904 dimensions: 6-1/4 (15.9) wide, 11 (29.2) high.

T1903 and T1905 dimensions: 5-1/8 (13.0) wide, 4-1/2 (11.4) wide, 9-1/2 (24.1) high.

Cord Seals

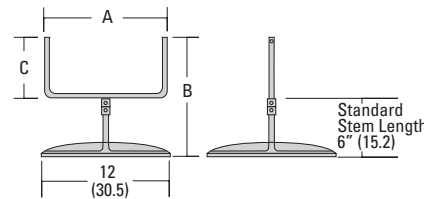
Constructed of brass with neoprene grommets, these seals are for use in underwater junction boxes for fixture cord entrance seals.

CATALOG NUMBER	NPT	CORD	A	B
CS14302	1/2	18-3	7/8 (2.2)	1-1/2 (3.8)
CS143022	1/2	16-3* (3 x 1.5)	7/8 (2.2)	1-1/2 (3.8)
CS14304	3/4	18-3	1-1/4 (3.2)	1-3/4 (4.4)
CS14303	3/4	14-3 (2 x 4)	1-1/4 (3.2)	1-3/4 (4.4)
CS143032	3/4	12-3	1-1/4 (3.2)	1-3/4 (4.4)
CS143033	3/4	10-3 (2 x 6)	1-1/4 (3.2)	1-3/4 (4.4)



ALB - Adjustable Locking Base

This fountain lighting economy base allows for variable fixture height and includes Hydrel's pro-focus aim-set feature. Multiple riser heights available.

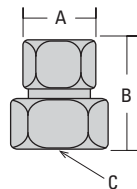


CATALOG NUMBER	A	B	C
ALB15	10-1/2 (26.7)	12-5/8 (32.1)	8-5/8 (21.9)
ALB21	7-7/8 (20.0)	11 (27.9)	7 (17.8)
ALB22	7-11/16 (19.5)	12 (30.5)	8 (20.3)
ALB24	7-11/16 (19.5)	12 (30.5)	8 (20.3)
ALB27	7-11/16 (19.5)	12 (30.5)	8 (20.3)

SR Strain Relief

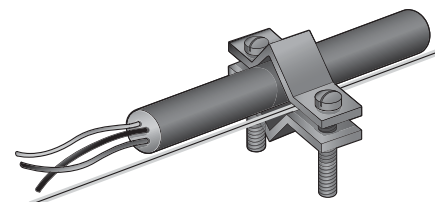
A threaded cord grip that prevents cord movement from pulling on connections. Used where J-box is mounted above the floor or deck.

CATALOG NUMBER	(NPT)	CORD	A	B
SR50	1/2	16-3*	7/8 (2.2)	1-3/8 (3.5)
SR754	3/4	18-3	1-1/4 (3.2)	1-1/2 (3.8)
SR75	3/4	10-3	1-1/4 (3.2)	1-1/2 (3.8)



USR Strain Relief¹

Universal strain relief (USR). Strain reliefs, used where J-boxes are mounted flush to floor or deck. Specify for the total number of fixtures to be mounted.



Notes

¹ Specify USR strain reliefs for the total number of fixtures. USR sold separately.

Dimensions are shown in inches (centimeters) unless otherwise noted.

Notes

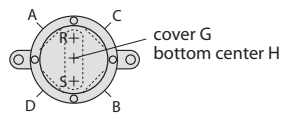
* 18-2/16-1 cord fits SR50 and CS143022 parts.

JUNCTION BOXES

Hydrel underwater junction boxes are designed for the connection of supply cords from underwater fountain fixtures and service conduits. They feature heavy cast bronze construction, neoprene gaskets, internal ground lugs and stainless steel hardware. All hubs may be tapped either 1/2" NPT or 3/4" NPT with other drillings available upon request. When ordering, specify the catalog number, hub location and hub size. Letters around perimeter indicate side drill locations. Letters within box indicate bottom drill locations.



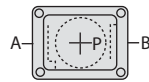
JB1701



Outside dimensions:
4-3/4" (12.1) dia. x 3" (7.6) deep
Inside dimensions:
3-1/2" (8.9) dia. x 2" (5.1) deep
(25 cubic inches)
Cover may have single 1/2" (1.3) or 3/4" (1.9) hub.
Bottom may also have single 1" (2.5) hub.



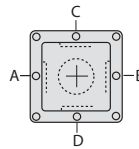
JB1703



Outside dimensions:
3-3/8" (8.6) x 4-3/8" (11.1) x 2-1/2" (6.4) deep
Inside dimensions:
3" (7.6) x 2" (5.1) x 2" (5.1) deep
(12 cubic inches)



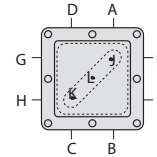
JB1705



Outside dimensions:
4-3/4" (12.1) sq. x 2-1/2" (6.4) deep
Inside dimensions:
3" (7.6) sq. x 2" (5.1) deep
(18 cubic inches)



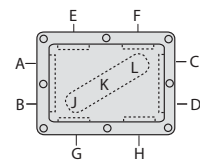
JB1706



Outside dimensions:
5-3/8" (13.7) sq. x 2-1/2" (6.4) deep
Inside dimensions:
4" (10.2) sq. x 2" (5.1) deep
(32 cubic inches)



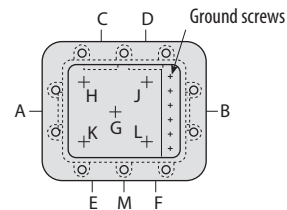
JB1708



Outside dimensions:
7-3/8" (18.8) x 5-3/8" (13.7) x 2-1/2" (6.4) deep
Inside dimensions:
6" (15.3) x 4" (10.2) x 2" (5.1) deep
(48 cubic inches)
Bottom may have single 1" (2.5) or 1-1/4" (3.2) hub.



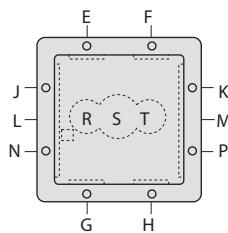
JB1710



Outside dimensions:
7-5/8" (19.4) x 6-1/2" (16.5) x 4-7/16" (11.3) deep
Inside dimensions:
5-3/16" (13.2) x 4-1/8" (10.5) x 3-11/16" (9.4) deep (62 cubic inches)



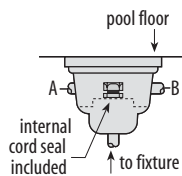
JB1711



Outside dimensions:
7-5/8" (19.4) sq. x 4-3/4" (12.1) deep
Inside dimensions:
6" (15.3) sq. x 4" (10.2) deep
(144 cubic inches)
Bottom may have maximum three 1" (2.5) hubs or two 1-1/4" (3.2) hubs or one 2" (5.1) hub.



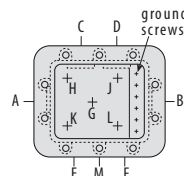
JB1713



Outside dimensions:
4-1/2" (11.5) dia. x 3-5/8" (9.3) deep
Inside dimensions:
2-3/4" (7.1) dia. x 2-1/4" (5.8) deep
(10 cubic inches)



JB1719
(Deck-Mounted)¹



Outside dimensions:
7-5/8" (19.4) x 6-1/2" (16.5) x 4-7/16" (11.3) deep
Inside dimensions:
5-3/16" (13.2) x 4-1/8" (10.5) x 3-11/16" (9.4) deep
(62 cubic inches)

Notes

1 Specifically designed for deck or remote wall mountings, this deck junction box meets all the requirements of the NEC. It features cast bronze construction, neoprene gaskets, one hub at each end and two hubs on one side. The entire bottom and one side of the box are suitable for drilling. Fasteners are stainless steel.

Dimensions are shown in inches (centimeters) unless otherwise noted.



SENSOR SWITCH

Since its founding in 1987, Sensor Switch has been the industry leader in lighting control innovation, focusing on engineering advanced products and technology that cost-effectively deliver energy efficiency, as well as convenience.



FOCUS ON LIGHTING CONTROL

With each product or new technology we develop, our objective is to continually achieve greater energy savings with outstanding user convenience. Our particular focus on lighting control technologies and applications has led to our unique and deep expertise in their application. As a result, Sensor Switch offers the widest selection of occupancy sensors and photocell devices of any industry manufacturer. This assures we can provide lighting control solutions for any application or building type.

ROI BY DESIGN

Since our founding, Sensor Switch has developed a reputation for delivering energy savings along with return on investment (ROI). This has made us a respected partner in the green building industry, engineering lighting control systems that maximize energy efficiency and user convenience, while also delivering maximum ROI.

MADE IN AMERICA

All Sensor Switch products are manufactured in the USA in our own state-of-the-art facility. Besides ensuring product quality and reliability, in-house production allows for maximum responsiveness to our customers. Additionally, it provides us with manufacturing agility, which, coupled with our intense engineering drive, enables us to bring advanced products to market quickly and efficiently.



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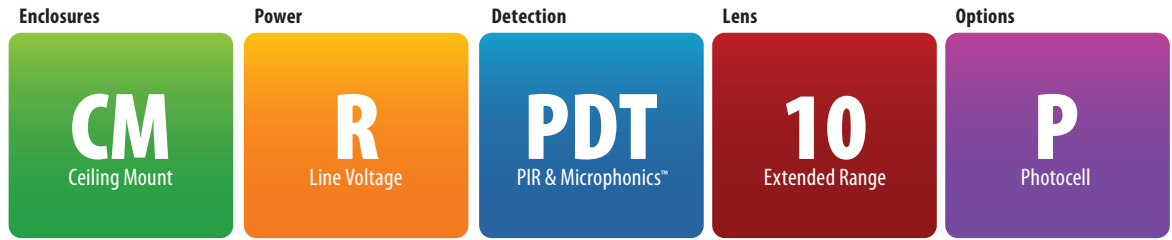
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Sensor Selection Guide

This guide is intended to assist with choosing the appropriate Sensor Switch occupancy sensor for your space and application. Each character or group of characters in a Sensor Switch model number indicates a specific feature or option for that particular sensor. The sections of this guide describe the choices available for each of the feature categories. The example below explains the categories that make up the model number **CMR PDT 10 P**.



By dividing up any Sensor Switch occupancy sensor model number into the parts described in this guide, the sensor's full functionality can be determined. This guide will also better enable you to build your own model numbers by choosing from each category the features and options your project requires.

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ENCLOSURES

Sensor Switch occupancy sensors come in a variety of different enclosure styles that are both functional and attractive, while still being easy to mount. The enclosure style for most sensors is indicated by the first few letters in its model number. These

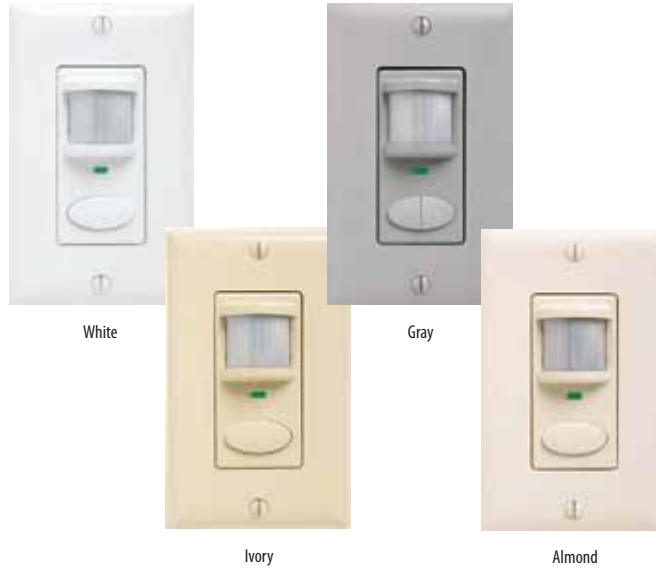
letter combinations (shown in bold green) and their corresponding enclosure styles are presented on the following pages, along with the physical specifications and mounting options for each style.

WSD

Wall Switch Decorator

Physical Specs:

Size: NOT INCLUDING GROUND STRAP
H: 2.74" (6.96 cm)
W: 1.68" (4.27 cm)
D: 1.63" (4.14 cm)
Weight: 5 oz
Mounting: Single gang switch box
Color: White, Ivory, Gray, Almond, Black



CM

Ceiling Mount

Physical Specs:

Size: Diameter: 4.55" (11.56 cm)
Depth: 1.55" (3.94 cm)
Weight: 6 oz
Mounting: Ceiling tile surface (low voltage), 3.5" octagon box, Single gang handy box
Color: White

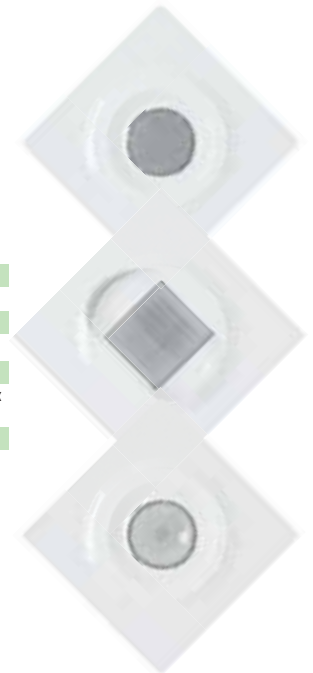


RM

Recessed Mount

Physical Specs:

Size: Width (square): 4.40" (11.18 cm)
Weight: 6 oz
Mounting: Mounts to/in a 4" square junction box (minimum box depth 2.125")
Color: White



CMB
CMRB¹

Fixture Mount Box

Physical Specs:

Size:	
H:	3.63" (9.22 cm)
W:	3.63" (9.22 cm)
D:	1.50" (3.81 cm)
Weight:	6 oz
Mounting:	Extended chase nipple fits 1/2" knockout in fixture or junction box
Color:	White



HMB
HMRB²

Fixture Mount Box

Physical Specs:

Size:	
H:	3.63" (9.22 cm)
W:	3.63" (9.22 cm)
D:	1.50" (3.81 cm)
Weight:	6 oz
Mounting:	Extended chase nipple fits 1/2" knockout in fixture or junction box
Color:	White



HM
HMR³

Surface Mount

Physical Specs:

Size:	
H:	4.96" (12.60 cm)
W:	3.10" (7.87 cm)
D:	1.70" (4.32 cm)
Weight:	7 oz
Mounting:	Single gang handy box
Color:	White Ivory



• Buttons used for programming only

HW
HWR⁵

Surface Mount

Physical Specs:

Size:	
H:	4.96" (12.60 cm)
W:	3.10" (7.87 cm)
D:	1.70" (4.32 cm)
Weight:	7 oz
Mounting:	Single gang handy box
Color:	White Ivory



• Buttons used for programming only

WV
WVR⁴

Corner/Wall Mount

Physical Specs:

Size:	
H:	3.00" (7.62 cm)
W:	3.60" (9.14 cm)
D:	1.75" (4.45 cm)
Weight:	4 oz
Mounting:	Directly to corner or to ceiling using WV BR bracket
Color:	White



WVBR

Ceiling Mount Bracket

Physical Specs:

Size:	
Diameter:	4.70" (11.94 cm)
Height:	3.30" (8.38 cm)
Weight:	3 oz
Mounting:	Ceiling tile surface 3.5" octagon box Single gang handy box
Color:	White



Notes

- 1 CMRB is the line voltage enclosure of the CMB.
- 2 HMRB is the line voltage enclosure of the HMB.
- 3 HMR is the line voltage enclosure of the HM.
- 4 WVR is the line voltage enclosure of the WV.
- 5 HWR is the line voltage enclosure of the HW.

PRODUCT INFORMATION

POWER TYPE

Line Voltage

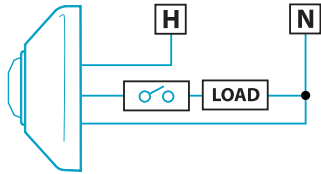
This category specifies how a sensor is powered, as well as its switching capabilities. By default, sensors are powered by low voltage and require a power pack to switch a circuit; therefore, no special characters need to be added to the model number. In con-

trast, line voltage sensors are powered by and can switch line voltage without a power pack. Line voltage model numbers have the letter "R" inserted with the enclosure designation (e.g. **CMR**).¹

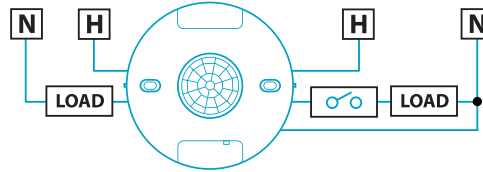
- Sensors contain line voltage switching relays
- Ideal for retrofit applications with concrete or inaccessible ceilings
- Interchangeable line and load wires (Sensor Switch patented)

- Sensors capable of switching two poles independently are indicated by adding **2P** to the model number (e.g. **CMR 6 2P**)
- Sensors capable of switching 208/480 VAC are indicated by adding **208** or **480** to the model number (e.g. **CMR 6 480**)

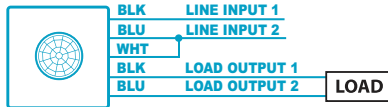
1-POLE²



2-POLE²



208/480 VAC³



SPECIFICATIONS

Line Voltage Sensors

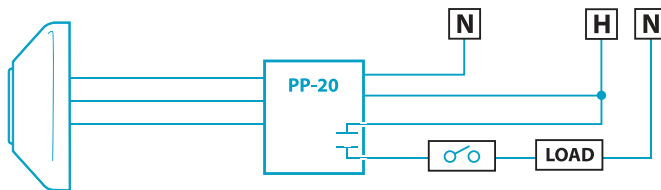
- No minimum load requirements
- Load rating/pole (1 phase only)²
 - 800 W @ 120 VAC
 - 1200 W @ 277 VAC
 - 1500 W @ 347 VAC
 - 5 Amps @ 208/480 VAC
- 1/4 HP motor load
- Frequency 50/60 Hz

POWER TYPE

Low Voltage

- Powered via power pack or other low-voltage source
- Used with a power pack to enable complete 20 Amp circuits to be switched

- Enables multiple sensors to be used together to cover space
- Allows sensor mounting without a junction box and utilizes convenient low voltage wiring



SPECIFICATIONS

Low Voltage Sensors

- Operating voltage 12-24 VAC/VDC
- Output: Drives up to 200 mA of connected load
- Current draw
 - Standard Sensor 4 mA
 - w/ -R option 16 mA
- Wire lead connections are Class II, 20 AWG

Power Packs

- Operating voltage 120 / 277 VAC (PP-20) or 347 VAC (PP-20-3)
- Load rating (Max): 20 Amps
- Motor load (Max): 1 HP
- Wiring:
 - Low voltage, Class II 20 AWG
 - Line voltage, 16 & 18 AWG
- Plenum rated
- Powers up to 14 sensors
- Patented relay circuit protection up to 400K Cycles (Except MP-20 & MSP-20 Series)

Notes

- ¹ For fixture mount box (**CMB**) sensors, the "R" is placed before the "B" to indicate line voltage (e.g. **CMRB**).
- ² Load ratings not applicable for **LWS** and **WVR** Series sensors.
- ³ Actual wire colors are not represented in diagrams.

All of our sensors utilize passive infrared (PIR) technology to detect changes in the infrared energy given off by occupants as they move within the field-of-view. As heat given off by the human body moves in and out of the beams, the detector sees this and triggers the occupancy mode. Our lens designs

create a continuous array of beams that provide an even coverage. Additionally, we fine-tune our sensors to detect small motions even at great distances, while still preventing false trips.

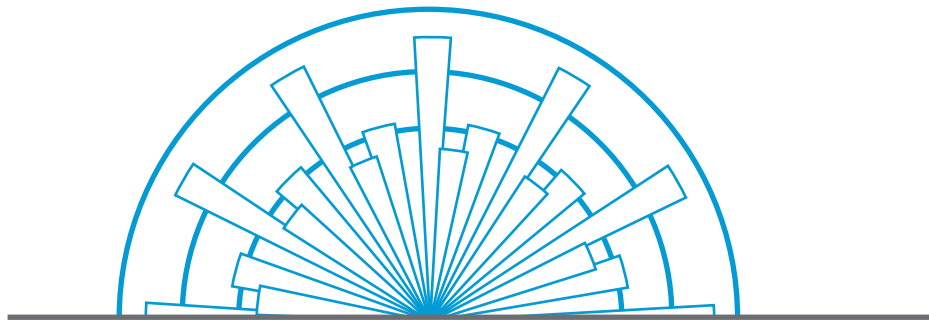
Microphonics™ technology uses a microphone inside the sensor in order to hear

sounds indicating occupancy in rooms with obstructions, such as bathrooms with stalls or open-office cubicle areas. By using Automatic Gain Control (AGC), the sensor can dynamically self-adapt to its environment by filtering out constant background noise and detecting only leading edge noises typical of

human activity. Additionally, sensors with Microphonics use advanced digital acoustic filtering, so that the prolonged presence of persistent noises without any PIR events do not keep the lights on, nor do sounds with periodicity (such as from a time clock).

PIR+ MICROPHONICS™

= PDT PASSIVE DUAL TECHNOLOGY



Passive Dual Technology (PDT) combines both of these detection technologies. It requires sensors to first see motion using **Passive Infrared**, and then engages the **Microphonics™** to hear sounds that indicate continued occupancy. Patented by Sensor Switch, Passive Dual Technology using PIR and Microphonics is superior to alternatively used ultrasonic technology in that it provides better and more reliable occupancy detection performance, requires less power, and does not transmit sound waves into the space, thus eliminating all potential for interference.

All sensors utilize **PIR** technology by default. Including the suffix “-PDT” after the enclosure model number adds **Microphonics™** detection to the sensor.

LENS TYPE

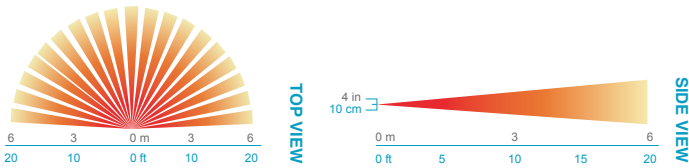
Passive Infrared

It is important to select a lens type with a PIR coverage pattern that not only accommodates the space's area requirements, but also its application. The following pages diagram the PIR coverage pattern of each lens style and describe the applications for which they are best suited.

WSD

Wall Switch Decorator Lens

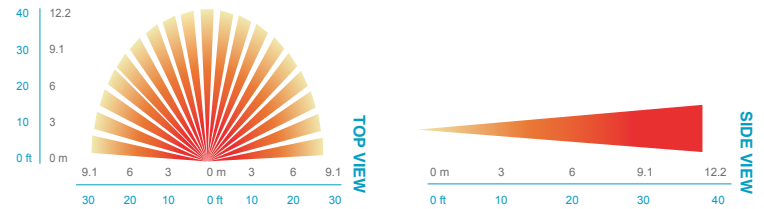
- Small motion (e.g. hand movements) detection up to 20 ft (6.10 m)
- Large motion (e.g. walking) detection up to 50 ft (15.24 m)
- Wall-to-wall coverage
- Vandal-resistant option (V) decreases range by 50%



LWS

Large Area Wall Switch

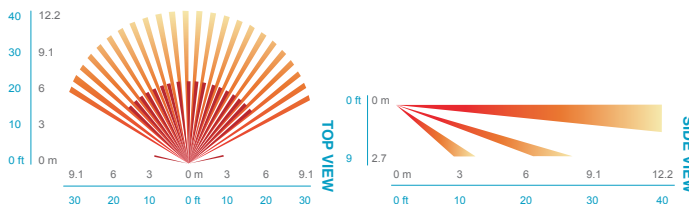
- Small motion (e.g. hand movements) detection up to 40 ft (12.19 m)
- Wall-to-wall coverage
- 30 to 48 in (76.20 to 121.92 cm) high mounting



LWSH

Large Area Wall Switch

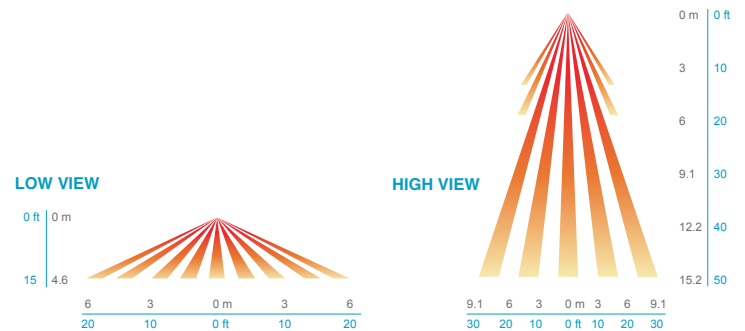
- Small motion (e.g. hand movements) detection up to 40 ft (12.19 m)
- Wall-to-wall coverage
- 48 to 84 in (121.92 to 213.36 cm) high mounting



6

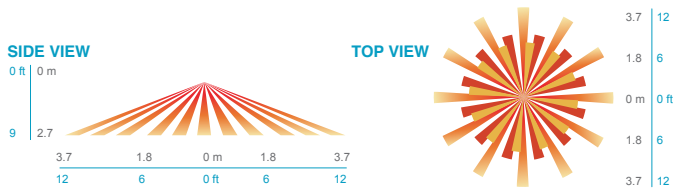
High Bay 360° Lens

- Best choice for 15 to 45 ft (4.57 to 13.72 m) mounting heights
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Excellent large motion (e.g. walking) detection up to a 35 ft (10.76 m) mounting height
- Excellent extra large motion (e.g. forklifts) detection up to a 45 ft (13.72 m) mounting height



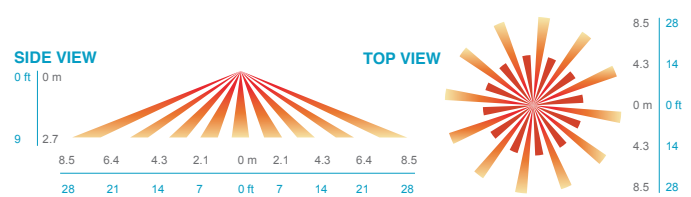
9 Standard Range 360° Lens

- Best choice for small motion (e.g. hand movements) detection
- Viewing angle of 56° in a 360° conical shaped pattern
- Provides 12 ft (3.66 m) radial coverage when mounted to standard 9 ft (2.74 m) ceiling
- 8 to 15 ft (2.44 to 4.57 m) mounting heights provide 10 to 20 ft (3.05 to 6.10 m) radial coverage



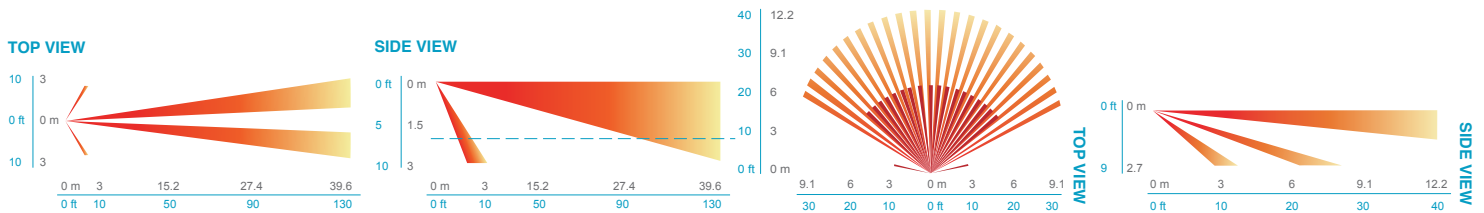
10 Extended Range 360° Lens

- Best choice for large motion (e.g. walking) detection
- Viewing angle of 67° in a 360° conical shaped pattern
- Provides 28 ft (8.53 m) radial coverage when mounted to standard 9 ft (2.74 m) ceiling
- 7 to 15 ft (2.13 to 4.57 m) mounting heights provide 16 to 36 ft (4.88 to 10.97 m) radial coverage



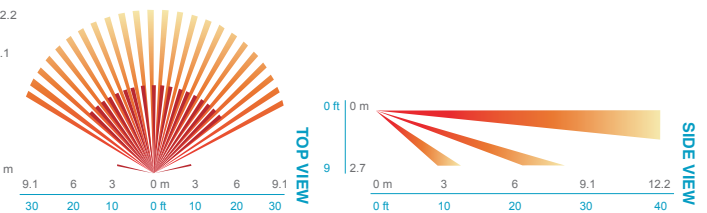
13 Hallway View Lens

- Large motion (e.g. walking) detection up to 130 ft (39.62 m)
- Designed for 7 ft (2.13 m) high mounting at end of hall



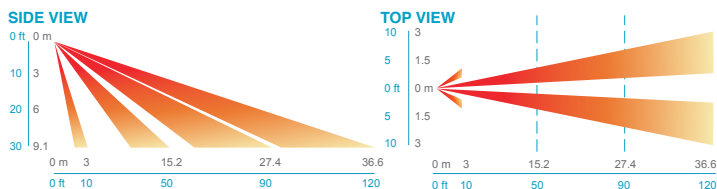
16 Wide View Lens

- Small motion (e.g. hand movements) detection up to 40 ft (12.19 m)
- Large motion (e.g. walking) detection up to 70 ft (21.34 m)
- Designed for 8 to 10 ft (2.44 to 3.05 m) high mounting in room corner



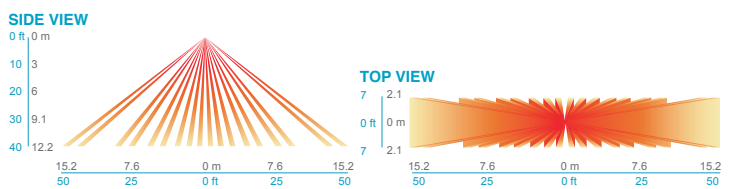
HM 10 High Bay End-of-Aisle Lens

- Detects motion from the end-of-aisles up to 110 ft (33.53 m) long
- Designed to mount 30 ft (9.14 m) high and 10 ft (3.05 m) back from end-of-aisle
- Should always be applied in pairs



50 High Bay Bi-Directional Aisleway Lens

- Provides 50° bi-directional and 10° wide coverage pattern
- 1.2x mounting height equals approximate detection range in either direction
- Typical 40 ft (12.19 m) mounting detects 50 ft (15.24 m) in either direction



OPTIONS

The previous sections of this guide define the portion of the model number referred to as a sensor's "Series" number. Following this series number, there may be additional characters in the model number that define the

optional features included on the sensor. This section describes each option and its model number character suffix. The datasheet for each sensor series lists its available options.

R

Isolated Low Voltage Relay

- Enables low voltage sensors to interface with a building management system
- Provides dry contact closure via a SPDT, 1 amp, 40 volt relay
- The relay is energized when ALL connected sensors register unoccupied
- When using multiple sensors, only one sensor per zone needs to have a relay

Note: Sensor must have power at all times for the relay to function

D

Occupancy Controlled Dimming

- Provides dimming output to control 0-10 VDC dimmable ballasts
- Provides a second occupancy time-out period, enabling the lights to go to a dim setting before turning off
- Adjustable max/min dim setting

P

On-Off and/or Inhibit Photocell

- Ideal for public areas, such as vestibules, corridors or restrooms

On/off mode:

- Full on/off control of lighting based on daylight conditions during periods of occupancy

Inhibit mode:

- Prevents lights from turning on during periods of occupancy with adequate daylight, but cannot turn lights off
- Once the lights are needed and turn on, they stay on until the occupancy sensor timer expires

ADC

Automatic Dimming Control Photocell

- Perfect for classrooms and private offices
- Allows sensor to adjust the level of 0-10 VDC dimmable ballasts as the daylight contribution changes
- Provides two user-selectable time-out periods that enable the lights to go to a dim setting after one time-out, and then turn fully off after a second time-out

DZ

Dual Zone Photocell

- Provides more advanced daylighting control for 2-pole line voltage occupancy sensors
- Single shared set-point is used for both poles

Stepped dimming (DUO) mode

- Ideal for A/B (also called inboard/outboard) switching applications
- Determines the necessary on/off combination of the two poles in order to maintain adequate lighting

Percentage offset (dual zone) mode

- Ideal for classrooms with individually controlled parallel rows of lights
- Uses a relative set-point for the second pole that is a percentage of the first pole's set-point

347

347 VAC Option

- Allows sensor to be powered from and switch 347 VAC
- Used primarily in Canada

SH

Start-to-High

- Designed for use with HID bi-level fixtures
- Provides 20-minute warm-up timer, during which sensor stays in On state

LT

Low Temperature / High Humidity

- During manufacturing, the circuit board goes through a conformal coating process, making it corrosion-resistant to moisture
- Enables operating temperatures down to -40° F (-40° C) for PIR sensors and -4° F (-20° C) for PDT sensors
- Ideal for cold storage applications or bath/shower rooms with condensing steam

WALL SWITCH

Decorator Sensors

Features [All]

- Small motion detection up to 20 ft (6.10 m)
- 30 sec to 20 min time delay
- Push-button programmable
- Multiple operating modes
 - Auto-on
 - Manual-on
 - Predictive off
 - Switch disable
- Green LED indicator
- 3-way and 4-way switching

Features [Line voltage]

- Self-contained relay(s)
- No minimum load
- Interchangeable hot and load wires

Overview

Wall switch decorator sensors are the most convenient method of adding occupancy detection to a room. A wall switch decorator replaces an existing toggle switch and is ideal for private offices, copy rooms, closet or any small en-

closed space. For rooms that need independent control of two circuits, 2-pole units are available. These sensors are perfect for applications such as inboard/outboard switching, or controlling a light and fan with different time delays.

Wall switch decorator sensors are available with either passive infrared (PIR) detection or dual technology (PIR/

Microphonics™) detection for rooms with obstructions. These stylish sensors are offered in five colors and have multiple operational modes that can be selected via the front push-button. Optional features include: a vandal-resistant lens (V), a photocell (P), and low-temperature/high-humidity (LT) resistance.

ENCLOSURE



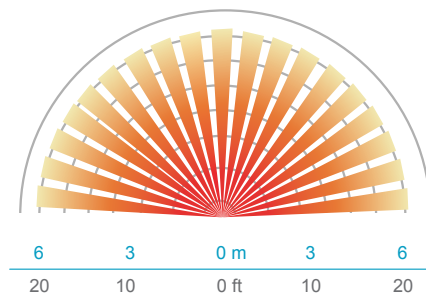
DECORATOR ENCLOSURE

SIZE	H: 2.74" (6.96 cm)
	W: 1.68" (4.27 cm)
	D: 1.63" (4.14 cm)
WEIGHT	5 oz
MOUNTING	Single gang switch box
COLOR	White
	Ivory
	Gray
	Almond
	Black

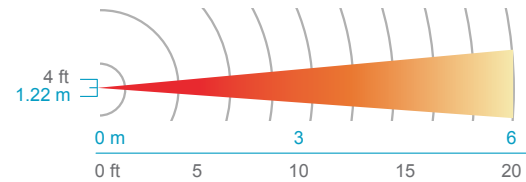
COVERAGE PATTERN

WSD Wall Switch Decorator Lens

- Small motion (e.g. hand movements) detection up to 20 ft (6.10 m)
- Large motion (e.g. walking) detection up to 50 ft (15.24 m)
- Microphonics™ detects normal human activity up to 20 ft (6.10 m), but will detect greater distances in spaces with hard floors or very quiet rooms with little or no background noise
- Wall-to-wall coverage
- Vandal-resistant option (V) decreases PIR range by 50%



TOP VIEW



SIDE VIEW

ADDITIONAL INFORMATION

V Vandal-resistant lens

- Designed for use in high abuse or public area
- Decreases detection ranges by 50%

R Low voltage relay

- Enables low voltage sensors to interface with other systems (e.g. BMS, lighting panels)
- Provides dry contact closure via a SPDT, 1 amp, 40 volt relay

P Inhibit photocell

- Inhibit operation: Prevents lights from turning on if adequate daylight is available, but cannot turn light off
- 2-pole units enable separate set-points per pole

347 347 Voltage

- Allows sensor to be powered from and switch 347 VAC
- Cover plate for 347 VAC sensors included

LT Low temp/high humidity

- Sensor is corrosion-resistant to moisture
- Operates down to -40° F/C (-4° F/20° C for PDT)

LOW VOLTAGE

Wall Switch Decorator Sensor : Low Voltage

Electrical Specs

Operating Voltage

12-24 VAC/VDC

Current Draw

Standard, 4 mA
w/ -R option, 16 mA

Recommended Power Pack

PP20

KEY SPECS		
SERIES	DEFAULT ON-MODE	DETECTION
ELA RTS3	Auto-on	PIR
ELA PSTS	Auto-on	Dual technology (PDT)



ORDERING INFORMATION

Example: WSD LV V R WH LT

Series	Lens	Low voltage relay	Color	Temp / humidity
WSD LV	(blank) None	(blank) None	WH White	(blank) Standard
WSD PDT LV	V Vandal resistant	R w/ relay	IV Ivory GY Gray AL Almond BK Black	LT Low temp

LINE VOLTAGE

Wall Switch Decorator Sensor : Line Voltage

Electrical Specs

Load Rating / Pole (1 Phase Only)

800 W @ 120 VAC
1200 W @ 277 VAC
1500 W @ 347 VAC

Frequency 50/60 Hz

Motor Load 1/4 HP / Pole

KEY SPECS			
SERIES	DEFAULT ON-MODE	DETECTION	# OF POLES
WSD	Auto-on	PIR	1
WSD PDT	Auto-on	Dual technology (PDT)	1
WSD SA	Manual-on (semi-auto)	PIR	1
WSD PDT SA	Manual-on (semi-auto)	Dual technology (PDT)	1
WSD 2P	Auto-on (both poles)	PIR	2
WSD PDT 2P	Auto-on (both poles)	Dual technology (PDT)	2



ORDERING INFORMATION

Example: WSD V P WH LT

Series	Lens	Photocell	Voltage	Color	Temp / humidity
WSD	(blank) None	(blank) None	(blank) 120/277 VAC	WH White	(blank) Standard
WSD PDT	V Vandal resistant	P Inhibit photocell	347 347 VAC	IV Ivory GY Gray AL Almond BK Black	LT Low temp
WSD SA					
WSD PDT SA					
WSD 2P					
WSD PDT 2P					

NIGHTLITE

Nightlite Wall Switch Decorator Sensor

Overview

As the name implies, the NightLite Sensor is a combination 24/7 night light and occupancy sensor capable of turning the lights off when the room is vacant. The NightLite sensor is the perfect solution for hotel and hospital bathrooms, where guests tend to leave the light

on all night. A user-programmable time delay ensures that once the room is vacated the sensor will time out and turn off the lights. Available with either passive infrared (PIR) detection or dual technology (PIR/Microphonics™) detection for rooms with obstructions, the NightLite sensor comes factory set in

semi-automatic (manual-on) mode, meaning the button needs to be pressed in order to turn on the lights. Besides semi-automatic operation, several other On modes and switch modes can be programmed into the sensor using the front push-button. The NightLite sensor comes with a vandal-resistant

lens and low-temperature / high-humidity resistance as standard features.



NIGHTLITE
Decorator Sensor



ORDERING INFORMATION

Example: WSD NL 277 WH

Series	Voltage	Color
WSD NL	(blank) 120 VAC	WH White
WSD PDT NL	277 277 VAC	IV Ivory GY Gray AL Almond BK Black

STANDARD RANGE

360° Sensors

Features [All]

- 30 sec to 20 min time delay
- Push-button programmable
- 100 hr. lamp burn-in timer
- Green LED indicator

Features [Line voltage]

- Self-contained relay(s)
- No minimum load
- Interchangeable hot and load wires

Overview

Standard range 360° occupancy sensors offer amazing performance and sensitivity to small motions (e.g. hand movements). Available in low voltage and line voltage models, these sensors are capable of covering an entire private office or small room by themselves. Multiple low

voltage sensors can also work together to supply the ideal solution for oddly shaped rooms or large open office areas. A line voltage sensor provides one relay for a single-level control, while the 2-pole version provides a second relay for an additional level of control. For rooms with obstructions, these sensors are also offered with

dual technology, which adds Microphonics™ detection to the passive infrared (PIR) detection. For longer range detection of walking type motions, see the section on extended range 360° sensors.

ENCLOSURES



CEILING MOUNT

SIZE 4.55" dia. (11.56 cm)
1.55" deep (3.94 cm)
WEIGHT 6 oz
MOUNTING 3.5" octagon box, or single gang handy box
COLOR White



RECESSED MOUNT

SIZE 4.40" (11.18 cm) square
WEIGHT 6 oz
MOUNTING Recessed into a 4" x 4" square junction box
COLOR White



FIXTURE MOUNT BOX

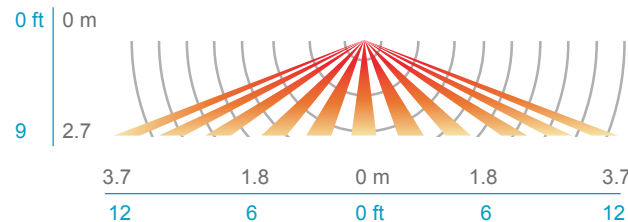
SIZE 3.63" H x 3.63" W x 1.50" D
(9.22 cm x 9.22 cm x 3.81 cm)
WEIGHT 6 oz
MOUNTING .5" knockout
COLOR White

COVERAGE PATTERN

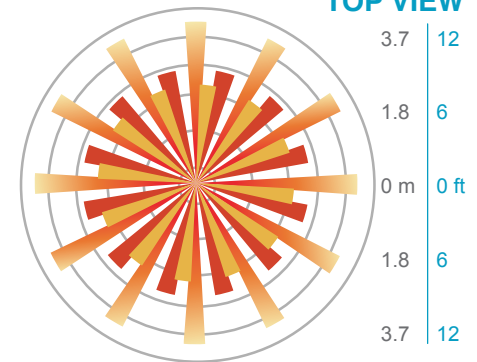
Standard Range 360° Lens

- Best choice for small motion (e.g. hand movements) detection
- Viewing angle of 56° in a 360° conical shaped pattern
- Provides 12 ft (3.66 m) radial coverage when mounted to standard 9 ft (2.74 m) ceiling
- 8 to 15 ft (2.44 to 4.57 m) mounting heights provide 10 to 20 ft (3.05 to 6.10 m) radial coverage
- Microphonics™ detects normal human activity up to 20 ft (6.10 m), but will detect greater distances in spaces with hard floors or very quiet rooms with little or no background noise

SIDE VIEW



TOP VIEW



OPTION INFORMATION

R Low voltage relay

- Enables sensors to interface with other systems (e.g. BMS, lighting panels)
- Provides dry contact closure via a SPDT, 1 amp, 40 volt relay

P Photocell

- Auto set-point calibration
- On/off mode: Full on/off control of lighting during periods of occupancy with adequate daylight
- Inhibit mode: Prevents lights from turning on if adequate daylight is available, but cannot turn lights off
- 2-pole units operate in inhibit mode only

ADC Automatic dimming control photocell

- Allows sensor to control level of 0-10 VDC dimmable ballasts
- Provides a second time-out period that enables the lights to go to a dim setting before off

LT Low temp / high humidity

- Sensor is corrosion-resistant to moisture
- Operates down to -40° F/C (-4° F/20° C for PDT)

DZ Dual zone photocell

- Provides more advanced control than P option
- DUO operation: Determines necessary on/off combination of poles in inboard/outboard applications
- Percentage offset operation: Uses relative set-point for second pole in dual zone applications

D Occupancy controlled dimming

- Provides dimming output to control 0-10 VDC dimmable ballasts
- Provides a second occupancy time-out period, enabling the lights to go to a dim setting before turning off
- Adjustable max/min dim setting

347 347 Voltage

- Allows sensor to be powered and switch 347 VAC

Electrical Specs
Operating Voltage
12-24VDC/VAC

Recommended Power Supply
PP20

Current Draw
Standard, 4 mA
w/ R option, 16 mA

KEY SPECS			
SERIES	ENCLOSURE	DETECTION	POWER TYPE [VDC/VAC]
CM 9	Ceiling mount	PIR	12-24
CM PDT 9	Ceiling mount	Dual technology (PDT)	12-24
RM 9	Recessed mount	PIR	12-24
RM PDT 9	Recessed mount	Dual technology (PDT)	12-24
CMB 9	Fixture mount box	PIR	12-24
CMB PDT 9	Fixture mount box	Dual technology (PDT)	12-24



ORDERING INFORMATION

Example: CM 9 R P LT

Series	Relay	Dimming / photocell <small>choose one only</small>	Temp / humidity
CM 9	(blank) None	(blank) None	(blank) Standard
CM PDT 9	R Low voltage relay	D Occupancy controlled dimming	LT Low temp
RM 9		P Photocell	
RM PDT 9		ADC w/ Dimming photocell	
CMB 9			
CMB PDT 9			

LINE VOLTAGE

Standard Range 360° Sensor : Line Voltage

Electrical Specs
Load Rating (1 Phase Only)
800 W @ 120 VAC
1200 W @ 277 VAC
1500 W @ 347 VAC
Motor Load 1/4 HP
Frequency 50/60 Hz

KEY SPECS				
SERIES	ENCLOSURE	DETECTION	POWER TYPE [VDC/VAC]	POLES
CMR 9	Ceiling mount	PIR	120/277	1
CMR PDT 9	Ceiling mount	Dual technology (PDT)	120/277	1
RMR 9	Recessed mount	PIR	120/277	1
RMR PDT 9	Recessed mount	Dual technology (PDT)	120/277	1
CMRB 9	Fixture mount box	PIR	120/277	1
CMRB PDT 9	Fixture mount box	Dual technology (PDT)	120/277	1



ORDERING INFORMATION

Example: CMR 9 P 347 LT

Series	Dimming / photocell <small>choose one only</small>	Voltage	Temp / humidity
CMR 9	(blank) None	(blank) 120/277 VAC	(blank) Standard
CMR PDT 9	D Occupancy controlled dimming	347 347 VAC	LT Low temp
RMR 9	P Photocell		
RMR PDT 9	ADC Photocell w/ dimming		
CMRB 9			
CMRB PDT 9			

2-POLE LINE VOLTAGE

Standard Range 360° Sensor : 2-pole, Line Voltage

Electrical Specs
Load Rating / Pole
800 W @ 120 VAC
1200 W @ 277 VAC
1500 W @ 347 VAC
Motor Load 1/4 HP
Frequency 50/60 Hz

KEY SPECS				
SERIES	ENCLOSURE	DETECTION	POWER TYPE [VDC/VDAC]	POLES
CMR 9 2P	Ceiling mount	PIR	120/277	2
CMR PDT 9 2P	Ceiling mount	Dual technology (PDT)	120/277	2
RMR 9 2P	Recessed mount	PIR	120/277	2
RMR PDT 9 2P	Recessed mount	Dual technology (PDT)	120/277	2
CMRB 9 2P	Fixture mount box	PIR	120/277	2
CMRB PDT 9 2P	Fixture mount box	Dual technology (PDT)	120/277	2



ORDERING INFORMATION

Example: CMR 9 2P DZ LT

Series	Photocell <small>choose one only</small>	Voltage	Temp / humidity
CMR 9 2P	(blank) None	(blank) 120/277 VAC	(blank) Standard
CMR PDT 9 2P	P Photocell (inhibit only)	347 347 VAC	LT Low temp
RMR 9 2P	DZ Dual zone photocell		
RMR PDT 9 2P			
CMRB 9 2P			
CMRB PDT 9 2P			

EXTENDED RANGE

360° Sensors

Features [All]

- 30 sec to 20 min time delay
- Push-button programmable
- 100 hr. lamp burn-in timer
- Green LED indicator

Features [Line voltage]

- Self-contained relay(s)
- No minimum load
- Interchangeable hot and load wires

Overview

Extended range 360° occupancy sensors provide maximum viewing area from the ceiling. Available in low voltage and line voltage models, these sensors are designed to detect walking type motion. They are also ideal for placement along corridors or in rooms with ceiling heights as low as 7 ft

(2.13 m). Multiple low voltage sensors can tie together to cover larger or oddly shaped areas. A line voltage sensor provides one relay for a single level of control, while the 2-pole version provides a second relay for an additional level of control.

For rooms with obstructions, these sensors are also offered

with dual technology. This adds Microphonics™ detection to the passive infrared (PIR). Adding dual technology makes these sensors perfect for classrooms. For mounting above 15 ft (4.57 m), see the section on high bay sensors.

ENCLOSURES



CEILING MOUNT

SIZE 4.55" dia. (11.56 cm)
1.55" deep (3.94 cm)
WEIGHT 6 oz
MOUNTING 3.5" octagon box, or single gang handy box
COLOR White



RECESSED MOUNT

SIZE 4.40" (11.18 cm) Square
WEIGHT 6 oz
MOUNTING Recessed into a 4" x 4" square junction box
COLOR White



FIXTURE MOUNT BOX

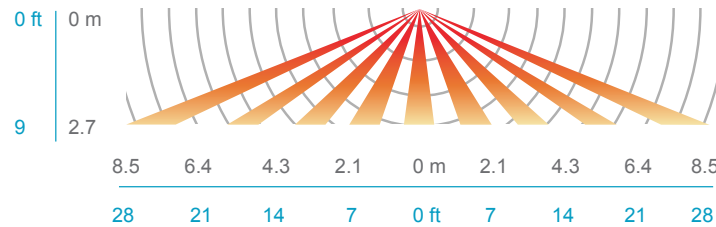
SIZE 3.63" H x 3.63" W x 1.50" D
(9.22 cm x 9.22 cm x 3.81 cm)
WEIGHT 6 oz
MOUNTING .5" knockout
COLOR White

COVERAGE PATTERN

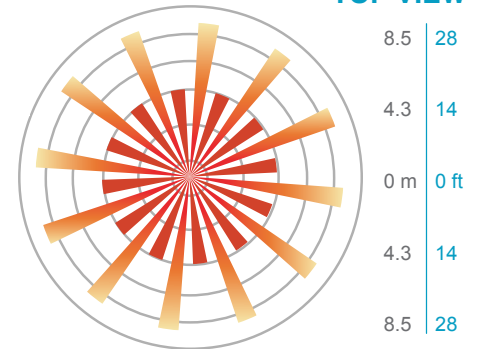
Extended Range 360° Lens

- Best choice for large motion (e.g. walking) detection
- Viewing angle of 67° in a 360° conical shaped pattern
- Provides 28 ft (8.53 m) radial coverage when mounted to standard 9 ft (2.74 m) ceiling
- 7 to 15 ft (2.13 to 4.57 m) mounting heights provide 16 to 36 ft (4.88 to 10.97 m) radial coverage
- Microphonics™ detects human activity up to 20 ft (6.10 m), but will detect farther in spaces with hard floors or areas with low background noise

SIDE VIEW



TOP VIEW



OPTION INFORMATION

R Low voltage relay

- Enables sensors to interface with other systems (e.g. BMS, lighting panels)
- Provides dry contact closure via SPDT, 1 amp, 40 volt relay

P Photocell

- Auto set-point calibration
- On/off mode: Full on/off control of lighting during periods of occupancy with adequate daylight
- Inhibit mode: Prevents lights from turning on if adequate daylight is available, but cannot turn lights off
- 2-pole units operate in inhibit mode only

ADC Automatic dimming control photocell

- Allows sensor to control level of 0-10 VDC dimmable ballasts
- Provides a second time-out period that enables the lights to go to a dim setting before off

LT Low temp / high humidity

- Sensor is corrosion-resistant to moisture
- Operates down to -40° F/C (-4° F/20° C for PDT)

DZ Dual zone photocell

- Provides more advanced control than the P option
- DUO operation: Determines necessary on/off combination of poles in Inboard/Outboard applications
- Percentage offset operation: Uses relative set-point for second pole in dual zone applications

D Occupancy controlled dimming 347 347 Voltage

- Provides dimming output to control 0-10 VDC dimmable ballasts
- Provides a second occupancy time-out period enabling the lights to go to a dim setting before turning off
- Adjustable max/min dim setting

- Allows sensor to be powered by and switch 347 VAC

Electrical Specs
Operating Voltage
12-24 VDC/VAC

Recommended Power Supply
PP20

Current Draw
Standard, 4 mA
w/ R option, 16 mA

KEY SPECS			
SERIES	ENCLOSURE	DETECTION	POWER TYPE [VDC/VAC]
CM 10	Ceiling mount	PIR	12-24
CM PDT 10	Ceiling mount	Dual technology (PDT)	12-24
RM 10	Recessed mount	PIR	12-24
RM PDT 10	Recessed mount	Dual technology (PDT)	12-24
CMB 10	Fixture mount box	PIR	12-24
CMB PDT 10	Fixture mount box	Dual technology (PDT)	12-24



ORDERING INFORMATION

Example: CM 10 R P LT

Series	Relay	Dimming / photocell <small>choose one only</small>	Temp / humidity
CM 10	(blank) None	(blank) None	(blank) Standard
CM PDT 10	R Low voltage relay	D Occupancy controlled dimming	LT Low temp
RM 10		P Photocell	
RM PDT 10		ADC w/ dimming photocell	
CMB 10			
CMB PDT 10			

LINE VOLTAGE

Electrical Specs
Load Rating (1 Phase Only)
800 W @ 120 VAC
1200 W @ 277 VAC
1500 W @ 347 VAC
Motor Load 1/4 Hp
Frequency 50/60 Hz

KEY SPECS				
SERIES	ENCLOSURE	DETECTION	POWER TYPE [VDC/VAC]	POLES
CMR 10	Ceiling mount	PIR	120/277	1
CMR PDT 10	Ceiling mount	Dual technology (PDT)	120/277	1
RMR 10	Recessed mount	PIR	120/277	1
RMR PDT 10	Recessed mount	Dual technology (PDT)	120/277	1
CMRB 10	Fixture mount box	PIR	120/277	1
CMRB PDT 10	Fixture mount box	Dual technology (PDT)	120/277	1



ORDERING INFORMATION

Example: CMR 10 P 347 LT

Series	Dimming / Photocell <small>choose one only</small>	Voltage	Temp / Humidity
CMR 10	(blank) None	(blank) 120/277 VAC	(blank) Standard
CMR PDT 10	D Occupancy controlled dimming	347 347 VAC	LT Low temp
RMR 10	P Photocell		
RMR PDT 10	ADC Photocell w/ dimming		
CMRB 10			
CMRB PDT 10			

2-POLE LINE VOLTAGE

Electrical Specs
Load Rating / Pole
800 W @ 120 VAC
1200 W @ 277 VAC
1500 W @ 347 VAC
Motor Load 1/4 HP
Frequency 50/60 Hz

KEY SPECS				
SERIES	ENCLOSURE	DETECTION	POWER TYPE [VDC/VAC]	POLES
CMR 10 2P	Ceiling mount	PIR	120/277	1
CMR PDT 10 2P	Ceiling mount	Dual technology (PDT)	120/277	1
RMR 10 2P	Recessed mount	PIR	120/277	1
RMR PDT 10 2P	Recessed mount	Dual technology (PDT)	120/277	1
CMRB 10 2P	Fixture mount box	PIR	120/277	1
CMRB PDT 10 2P	Fixture mount box	Dual technology (PDT)	120/277	1



ORDERING INFORMATION

Example: CMR 10 2P DZ LT

Series	Photocell <small>choose one only</small>	Voltage	Temp / humidity
CMR 10 2P	(blank) None	(blank) 120/277 VAC	(blank) Standard
CMR PDT 10 2P	P Photocell (inhibit only)	347 347 VAC	LT Low temp
RMR 10 2P	DZ Dual zone photocell		
RMR PDT 10 2P			
CMRB 10 2P			
CMRB PDT 10 2P			

WIDE VIEW & HALLWAY

Sensors

Features [Low voltage]

- 30 sec to 20 min time delay
- Push-button programmable
- 100 hr. lamp burn-in timer
- Green LED indicator

Features [Line voltage]

- 30 sec to 20 min time delay
- No neutral required
- Self-contained relay(s)
- No power pack(s) needed
- Interchangeable hot and load wires
- No minimum load
- Green LED indicator

Overview [Low voltage]

Low voltage wide view sensors are designed to mount in a corner and detect small motions up to 40 ft (12.19m) away and larger motions up to 70 ft (21.34 m) away. This makes them ideal for 30 x 30 ft (9.14 x 9.14 m) classrooms or corridors up to 70 ft (12.19 m) long.

Low voltage hallway units detect occupants entering a hallway up to 130 ft (39.64 m) away. The enclosure's convenient tilting feature enables the sensor to be mounted at any height from 8 to 10 ft (2.44 to 3.05 m). When corner or wall mounting is not possible, the

WV-BR ceiling bracket accessory can be used to mount the sensor to the ceiling.

These sensors can be used in combination with other low voltage sensors to cover oddly shaped rooms. For rooms with obstructions, wide view sensors are available with dual technology, which adds Microphonics™ detection to the passive infrared (PIR) detection.

Overview [Line voltage]

Line voltage wide view and hallway sensors are ideal for retrofit applications. Line voltage sensors are powered by and directly switch

line voltage; therefore, no power packs are needed. Additionally, these sensors do not require a neutral, making wiring directly off local switches with wiremold a convenient option. Together, these features make them perfect for retrofit applications, where running new wiring is difficult.

For rooms with obstructions, wide view sensors are available with dual technology, which adds Microphonics™ detection to the passive infrared (PIR) detection. For rooms that need independent control of two circuits, 2-pole units are available.

OPTIONS



WALL / CORNER MOUNT : LOW VOLTAGE

SIZE	H: 3.00" (7.62 cm)
	W: 3.60" (9.14 cm)
	D: 1.75" (4.45 cm)
WEIGHT	4 oz
MOUNTING	Directly to corner or to ceiling using WV-BR bracket
COLOR	White



WALL MOUNT : LINE VOLTAGE

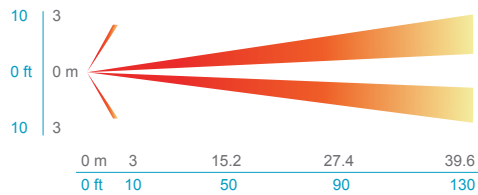
SIZE	H: 4.96" (12.60 cm)
	W: 3.10" (7.87 cm)
	D: 1.70" (4.32 cm)
WEIGHT	7 oz
MOUNTING	Single gang handy or wiremold corner box #V5719
COLOR	White Ivory

OPTIONS

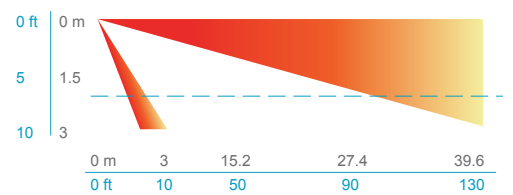
Hallway View Lens

- Large motion (e.g. walking) detection up to 130 ft (39.62 m)
- Designed for 7 ft (2.13 m) high mounting at end of hall
- Always should be applied in pairs

TOP VIEW

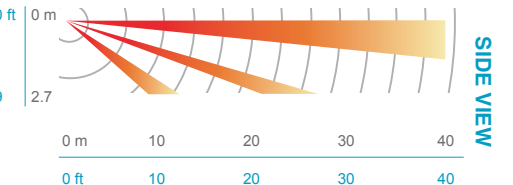
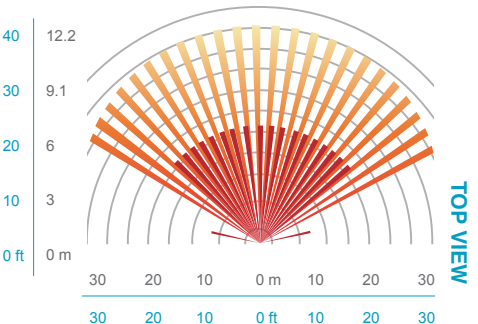


SIDE VIEW



Wide View Lens

- Small motion (e.g. hand movements) detection up to 40 ft (12.19 m)
- Large motion (e.g. walking) detection up to 70 ft (21.34 m)
- Designed for 8 to 10 ft (2.44 to 3.05 m) high mounting in room corner



Electrical Specs

Operating Voltage

12-24 VDC/VAC

Recommended Power Pack
PP20

Current Draw 4 mA
w/ R option 16 mA

KEY SPECS			
SERIES	COVERAGE PATTERN	DETECTION	POWER TYPE [VDC/VAC]
WV 16	Wide view	PIR	12-24
WV PDT 16	Wide view	PDT	12-24
HW13	Hallway	PIR	12-24



OPTIONS

R Low voltage relay

- Enables low voltage sensors to interface with other systems (E.G. Bms, lighting panels)
- Provides dry contact closure via a SPDT, 1 amp, 40 volt relay

P Photocell

- Auto set-point calibration
- On/off mode: Full on/off control of lighting during periods of occupancy with adequate daylight
- Inhibit mode: Prevents lights from turning on if adequate daylight is available, but cannot turn lights off

LT Low temp/high humidity

- Sensor is corrosion resistant to moisture
- Operates down to -40° F/C

WV BR Ceiling mount bracket

- Ceiling mountable bracket is an alternative to wall mounting
- Sold separately



LOW VOLTAGE

Example: WV PDT 16 R P LT

Series	Relay	Photocell	Temp/humidity
WV 16	(blank) None	(blank) None	(blank) None
WV PDT 16	R Low voltage relay	P Photocell	LT Low Temp

LOW VOLTAGE

Example: HW13 R P LT

Series	Relay	Photocell	Temp/humidity
HW 13	(blank) None	(blank) None	(blank) None
	R Low voltage relay	P Photocell	LT Low Temp

Electrical Specs

Load Rating

13 Amps @ 120-347 VAC

Motor Load 1/4 HP

Frequency 50/60 Hz

KEY SPECS			
SERIES	ENCLOSURE	DETECTION	POWER TYPE [VAC]
WVR 16	Wide view	PIR	120/277
WVR PDT 16	Wide view	PDT	120/277
HWR13	Hallway	PIR	120/277



OPTIONS

2P 2-pole

- Provides a second line voltage switching relay

P Inhibit photocell

- Inhibit operation: Prevents lights from turning on if adequate daylight is available, but cannot turn lights off

347 347 VAC

- Allows sensor to be powered from and switch 347 VAC

LT Low temp/high humidity

- Sensor is corrosion-resistant to moisture
- Operates down to -40° F/C

SN No switch

- Removes manual override button

LINE VOLTAGE

Example: WVR 16 2P P WH LT

Series	Poles	Photocell	Voltage	Color	Temp/humidity
WVR 16	(blank) 1-pole	(blank) None	(blank) 120/277 VAC	WH White	(blank) Standard
WVR PDT 16	2P 2-pole	P Inhibit photocell	347 347 VAC	IV Ivory	LT Low temp

LINE VOLTAGE

Example: HWR13 347 WH LT

Series	Switch	Voltage	Color	Temp/humidity
HWR13	(blank) Switch	(blank) 120/277 VAC	WH White	(blank) None
	SN No switch	347 347 VAC	IV Ivory	LT Low temp

HIGH BAY

360° Sensors

Features [All]

- 30 sec to 20 min time delay
- Push-button programmable
- 100 hr. lamp burn-in timer
- Green LED indicator

Features [Line voltage]

- Self-contained relay(s)
- No minimum load
- Interchangeable hot and load wires

Overview

Designed for mounting heights of up to 45 ft (13.72 m), high bay 360° occupancy sensors have a 15-20 ft (4.57-6.10 m) radial coverage pattern that overlaps the area lit by a typical high bay fixture. Applications include: warehouses, racquetball courts and gymnasiums. Individual fixture control is best handled by line

voltage sensors, while multiple fixture control is best handled by one or more low voltage sensors and a power pack. These sensors are ideal for on/off control of T5/T8 fluorescent lighting. However, HID bi-level fixtures can also be controlled when the start-to-high option is included, or a **PP20 SH** power pack is used.

2-pole high bay 360° sensors are also available, as are units designed for switching 208 and 480 VAC lighting.

ENCLOSURES



CEILING MOUNT

SIZE 4.55" dia. (11.56 cm)
1.55" deep (3.94 cm)
WEIGHT 6 oz
MOUNTING 3.5" octagon box, or single gang handy box
COLOR White



RECESSED MOUNT

SIZE 4.40" (11.18 cm) Square
WEIGHT 6 oz
MOUNTING Recessed into a 4" x 4" square junction box
COLOR White



FIXTURE MOUNT BOX

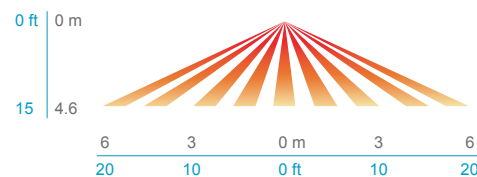
SIZE 3.63" H x 3.63" W x 1.50" D
(9.22 cm x 9.22 cm x 3.81 cm)
WEIGHT 6 oz
MOUNTING .5" knockout
COLOR White

COVERAGE PATTERN

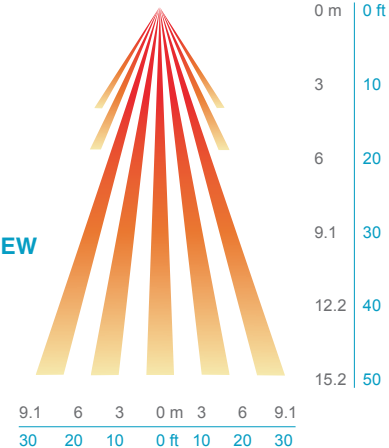
High Bay 360° Lens

- Best choice for 15 to 45 ft (4.57 to 13.72 m) mounting heights
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Excellent detection of large motion (e.g. walking) up to a 35 ft (10.76 m) mounting height
- Excellent detection of extra large motion (e.g. forklifts) up to a 45 ft (13.72 m) mounting height

LOW VIEW



HIGH VIEW



OPTION INFORMATION

R Low voltage relay

- Enables sensors to interface with other systems (e.g. BMS, lighting panels)
- Provides dry contact closure via a SPDT, 1 amp, 40 volt relay

SH Start-to-high

- Upon power up, sensor holds lights on and high for 20 min

ADC Occupancy controlled dimming

- Provides dimming output to control 0-10 VDC dimmable ballasts
- Provides a second occupancy time-out period that enables the lights to go to a dim setting before turning off
- Adjustable max/min dim setting

P Photocell

- Photocell with P option views up through rear of fixture mount box sensors and down through lens of ceiling and recessed mount sensors
- Down-viewing photocell option (**PD**) also available for **CMB 6**, **CMRB 6**, **CMRB 6 2P** and **CMRB 6 480** series sensors

- On/off mode: Full on/off control of lighting during periods of occupancy with adequate daylight
- Inhibit mode: Prevents lights from turning on if adequate daylight is available, but cannot turn lights off
- 2-pole units with down-viewing photocells operate in inhibit mode only

347 347 VAC

- Allows sensor to be powered from and switch 347 VAC

LT Low temp / high humidity

- Sensor is corrosion-resistant to moisture
- Operates down to -40°F/C

LOW VOLTAGE

High Bay 360° Sensors : Low Voltage

Electrical Specs

Operating Voltage

12-24 VDC/VAC

Recommended Power Supply

Fluorescent **PP20**

HID **PP20 SH**

Current Draw 4mA

w/ R option 16mA

KEY SPECS

SERIES	ENCLOSURE	DETECTION	POWER TYPE [VDC/VAC]
CM 6	Ceiling mount	PIR	12-24
RM 6	Recessed mount	PIR	12-24
CMB 6	Fixture mount	PIR	12-14



ORDERING INFORMATION

Example: CM 6 R P LT

Series	Relay	Dimming	Photocell	Temp / humidity
CM 6	(blank) None	(blank) None	(blank) None	(blank) Standard
RM 6	R Low voltage relay	D Occupancy controlled dimming	P (PD) Photocell	LT Low temp
CMB 6				

LINE VOLTAGE

High Bay 360° Sensors : Line Voltage

Electrical Specs

Load Rating

800 W @ 120 VAC

1200 W @ 277 VAC

1500 W @ 347 VAC

5 Amps @ 208/240 VAC

5 Amps @ 480 VAC

Motor Load 1/4 HP

Frequency 50/60 Hz

KEY SPECS

SERIES	ENCLOSURE	DETECTION	POWER TYPE [VAC]
CMR 6	Ceiling mount	PIR	120/277
CMR 6 208	Ceiling mount	PIR	208
CMR 6 480	Ceiling mount	PIR	480
RMR 6	Recessed mount	PIR	120/277
RMR 6 208	Recessed mount	PIR	208
RMR 6 480	Recessed mount	PIR	480
CMRB 6	Fixture mount	PIR	120/277
CMRB 6 208	Fixture mount	PIR	208
CMRB 6 480	Fixture mount	PIR	480



ORDERING INFORMATION

Example: CMR 6 SH P 347 LT

Series	Start-to-high ¹	Dimming ¹	Photocell	Voltage ¹	Temp / humidity
CMR 6	(blank) None	(blank) None	(blank) None	(blank) None	(blank) None
CMR 6 208	SH w/STH	D Occupancy controlled dimming	P (PD) Photocell	347 347 VAC	LT Low temp
CMR 6 480					
RMR 6					
RMR 6 208					
RMR 6 480					
CMRB 6					
CMRB 6 208					
CMRB 6 480					

2-POLE LINE VOLTAGE

High Bay 360° Sensors : 2-pole, Line Voltage

Electrical Specs

Load Rating / Pole

800 W @ 120 VAC

1200 W @ 277 VAC

1500 W @ 347 VAC

Motor Load 1/4 HP

Frequency 50/60 Hz

KEY SPECS

SERIES	ENCLOSURE	DETECTION	POWER TYPE [VAC]	POLES
CMR 6 2P	Ceiling mount	PIR	120/277	2
RMR 6 2P	Recessed mount	PIR	120/277	2
CMRB 6 2P	Fixture mount	PIR	120/277	2



ORDERING INFORMATION

Example: CMRB 6 2P P LT

Series	Photocell	Voltage	Temp / humidity
CMR 6 2P	(blank) None	(blank) 120/277 VAC	(blank) Standard
RMR 6 2P	P (PD) Photocell	347 347 VAC	LT Low temp
CMRB 6 2P			

Note

¹ Not available with 208/480 vac devices.

HIGH BAY

Aisleway Sensors

Features [All]

- 30 sec to 20 min time delay
- Push-button programmable¹
- 100 hr. lamp burn-in timer¹
- Green LED indicator

Features [Line voltage]

- Self-contained relay(s)
- No minimum load
- Interchangeable hot and load wires

Overview

High bay aisleway sensors provide bi-directional coverage extending 70-110 ft (21.33-33.53 m) when mounted at heights of 30-45 ft (9.14-13.72 m). The sensors' view pattern covers the area lit by three typically spaced high bay fixtures. Therefore, when mounted at a fixture, the coverage area extends out to the area that is lit by

the neighboring fixtures. This effect is useful with some ballasts that have a delay, such that when traveling in a fork-lift truck, lighting needs to be initiated ahead of the truck. Individual fixture control is best handled by line voltage sensors, while multiple fixture control is best handled by one or more low voltage sensors

and a power pack. 2-pole high bay aisleway sensors are also available, as are units designed for switching 208/480 VAC lighting. While ideal for on/off control of T5/T8 fluorescent lighting, HID bi-level fixtures can also be controlled when the start-to-high (SH) option is added to line voltage models, or a **PP20 SH** power pack is used with low voltage models.

ENCLOSURES



SURFACE MOUNT

SIZE H: 4.96" (12.60 cm)
W: 3.10" (7.87 cm)
D: 1.70" (4.32 cm)
WEIGHT 7 oz
MOUNTING Single gang handy box
COLORS White
Ivory



RECESSED MOUNT

SIZE 4.40" (11.18 cm) Square
WEIGHT 6 oz
MOUNTING Recessed into a 4" x 4" square junction box
COLOR White



FIXTURE MOUNT BOX

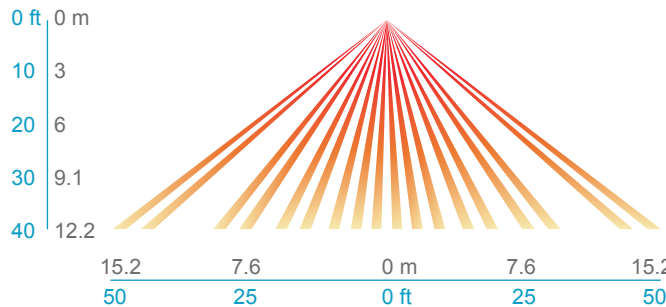
SIZE 3.63" H x 3.63" W x 1.50" D
(9.22 cm x 9.22 cm x 3.81 cm)
WEIGHT 6 oz
MOUNTING .5" knockout
COLOR White

COVERAGE PATTERN

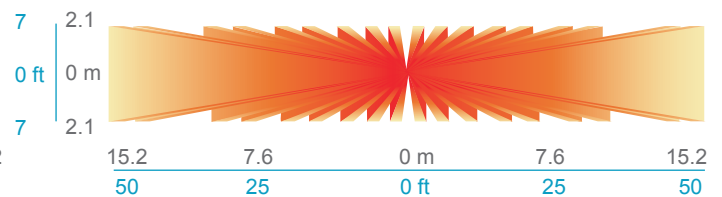
High Bay Bi-Directional Aisleway Lens

- Provides 50° bi-directional and 10° wide coverage pattern
- 1.2x mounting height equals approximate detection range in either direction
- Typical 40 ft (12.19 m) mounting detects 50 ft (15.24 m) in either direction

SIDE VIEW



TOP VIEW



OPTION INFORMATION

R Low voltage relay

- Enables sensors to interface with other systems (e.g. BMS, lighting panels)
- Provides dry contact closure via a SPDT, 1 amp, 40 volt relay

SH Start-to-high

- Upon power up, sensor holds lights on and high for 20 min

D Occupancy controlled dimming

- Provides dimming output to control 0-10 VDC dimmable ballasts
- Provides a second occupancy time-out period that enables the lights to go to a dim setting before turning off
- Adjustable max/min dim setting

P Photocell

- Ideal for high bay applications w/ skylights
- Photocell looks out through rear of sensor enclosure
- On/off mode: Photocell has full on/off control during periods of occupancy
- Inhibit mode: Photocell can prevent lights from turning on if adequate daylight is available, but cannot turn lights off

347 347 VAC

- Allows sensor to be powered from and switch 347 VAC

LT Low temp / high humidity

- Sensor is corrosion-resistant to moisture
- Operates down to -40°F/C

Notes

- 1 Not applicable for **HM[R] 50** Series.

LOW VOLTAGE

High Bay Aisleway Sensors : Low Voltage

Electrical Specs

Operating Voltage

12-24 VDC/VAC

Recommended Power Supply

Fluorescent **PP20**

HiD **PP20 SH**

Current Draw 4mA

w/ R option 16mA

KEY SPECS

SERIES	ENCLOSURE	DETECTION	POWER TYPE [VDC/VAC]
HM 50	Surface mount	PIR	12-24
RM 50	Recessed mount	PIR	12-24
CMB 50	Fixture mount	PIR	12-24



ORDERING INFORMATION

Example: CMB 50 R P LT

Series	Relay	Dimming	Photocell	Color hm 50 only (required)	Temp / humidity
HM 50 ¹	(blank) None	(blank) None	(blank) None	WH White	(blank) Standard
RM 50 ¹	R Low voltage relay	D Occupancy controlled dimming	P Photocell	IV Ivory	LT Low temp
CMB 50					

LINE VOLTAGE

High Bay Aisleway Sensors : Line Voltage

Electrical Specs

Load Rating

800 W @ 120 VAC

1200 W @ 277 VAC

1500 W @ 347 VAC

5 Amps @ 208/480 VAC

Motor Load 1/4 HP

Frequency 50/60 Hz

KEY SPECS

SERIES	ENCLOSURE	DETECTION	POWER TYPE [VAC]
HMR 50	Surface mount	PIR	120/277
RMR 50	Recessed mount	PIR	120/277
RMR 50 208	Recessed mount	PIR	208
RMR 50 480	Recessed mount	PIR	480
CMRB 50	Fixture mount	PIR	120/277
CMRB 50 208	Fixture mount	PIR	208
CMRB 50 480	Fixture mount	PIR	480



ORDERING INFORMATION

Example: CMRB 50 P LT

Series	Start-to-high ³	Dimming	Photocell	Voltage ³	Color hmr 50 only	Temp / humidity
HMR 50 ¹	(blank) None	(blank) None	(blank) None	(blank) 120/277 VAC	WH White	(blank) Standard
RMR 50 ¹	SH w/ STH	D Occupancy controlled dimming	P Photocell	347 347 VAC	IV Ivory	LT Low temp
RMR 50 208 ¹						
RMR 50 480 ¹						
CMRB 50						
CMRB 50 208						
CMRB 50 480						

2-POLE LINE VOLTAGE

High Bay Aisleway Sensors : 2-pole, Line Voltage

Electrical Specs

Load Rating / Pole

800 W @ 120 VAC

1200 W @ 277 VAC

1500 W @ 347 VAC

Motor Load 1/4 HP

Frequency 50/60 Hz

KEY SPECS

SERIES	ENCLOSURE	DETECTION	POWER TYPE [VAC]	POLES
RMR 50 2P	Recessed mount	PIR	120/277	2
CMRB 50 2P	Fixture mount	PIR	120/277	2



ORDERING INFORMATION

Example: RMR 50 2P 347 LT

Series	Photocell ²	Voltage	Temp / humidity
RMR 50 2P ²	(blank) None	(blank) 120/277 VAC	(blank) Standard
CMRB 50 2P	P Photocell	347 347 VAC	LT Low temp

Notes

- 1 Photocell and dimming options not available.
- 2 Photocell not available.
- 3 Not for use with 208/480 devices.

HIGH BAY

End-Of-Aisle Sensors

Features [All]

- 30 sec to 20 min time delay
- 100 hr. lamp burn-in timer¹
- Green LED indicator
- Push-button programmable¹

Features [Line voltage]

- Self-contained relay(s)
- No minimum load
- Interchangeable hot and load wires

Overview

High bay end-of-aisle sensors view up to 110 linear ft (33.53 m) of aisleway space when mounted between 30–45 ft (9.14– 13.72 m). These sensors are perfect for detecting occupants walking or riding in forklift trucks and typically are used in pairs to control an entire aisle of lighting together. For aisles longer than 110 ft (33.53 m), use

end-of-aisle sensors on either end and high bay aisleway or 360° sensors to cover the inner portions.

2-pole high bay end-of-aisle sensors are also available, as are units designed for switching 208/480 VAC lighting. While ideal for on/off control of T5/T8 fluorescent lighting, HID bi-level fixtures can also be

controlled when the start-to-high (SH) option is added to line voltage models, or a PP20 SH power pack is used with low voltage models.

ENCLOSURES



SURFACE MOUNT

SIZE	H: 4.96" (12.60 cm)
	W: 3.10" (7.87 cm)
	D: 1.70" (4.32 cm)
WEIGHT	7 oz
MOUNTING	Single gang handy box
COLORS	White Ivory

FIXTURE MOUNT BOX

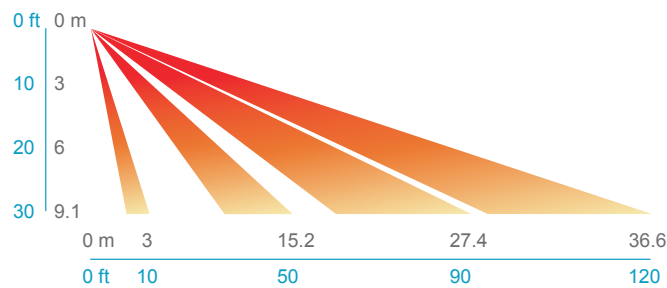
SIZE	3.63" H x 3.63" W x 1.50" D (9.22 cm x 9.22 cm x 3.81 cm)
WEIGHT	6 oz
MOUNTING	.5" knockout
COLOR	White

COVERAGE PATTERN

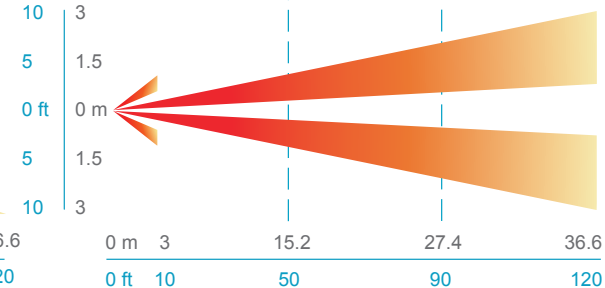
High Bay Bi-Directional Aisleway Lens

- Detects motion from the end of aisles up to 110 ft (33.53 m) long
- Designed to mount 30 ft (9.14 m) high and 10 ft (3.05 m) back from end-of-aisle
- Always should be applied in pairs

SIDE VIEW



TOP VIEW



OPTION INFORMATION

R Low voltage relay

- Enables sensors to interface with other systems (e.g. BMS, lighting panels)
- Provides dry contact closure via a SPDT, 1 amp, 40 volt relay

SH Start-to-high

- Upon power up, sensor holds lights on and high for 20 min

D Occupancy controlled dimming 347 347 VAC

- Provides dimming output to control 0-10 VDC dimmable ballasts
- Provides a second occupancy time-out period that enables the lights to go to a dim setting before turning off
- Adjustable max/min dim setting

LT Low temp / high humidity

- Sensor is corrosion-resistant to moisture
- Operates down to -40°F/C

Notes

- 1 Not applicable for HM[R] 10 Series.

LOW VOLTAGE

High Bay End-Of-Aisle Sensors : Low Voltage

Electrical Specs

Operating Voltage

12-24 VDC/VAC

Recommended Power Supply

Fluorescent **PP20**

HID **PP20 SH**

Current Draw

4mA
w/ R option 16mA

KEY SPECS

SERIES	ENCLOSURE	DETECTION	POWER TYPE [VDC/VAC]
HM 10	Surface mount	PIR	12-24
HMB 10	Fixture mount	PIR	12-24



ORDERING INFORMATION

Example: HMB 10 R LT

Series	Relay	Color ^{hm 10 only (required)}	Temp / humidity
HM 10	(blank) None	WH White	(blank) Standard
HMB 10	R Low voltage relay	IV Ivory	LT Low temp

LINE VOLTAGE

High Bay End-Of-Aisle Sensors : Line Voltage

Electrical Specs

Load Rating

800 W @ 120 VAC

1200 W @ 277 VAC

1500 W @ 347 VAC

5 Amps @ 208/480 Vac

Motor Load 1/4 HP

Frequency 50/60 Hz

KEY SPECS

SERIES	ENCLOSURE	DETECTION	POWER TYPE [VAC]
HMR 10	Surface mount	PIR	120/277
HMRB 10	Fixture mount	PIR	120/277
HMRB 10 208	Fixture mount	PIR	208
HMRB 10 480	Fixture mount	PIR	480



ORDERING INFORMATION

Example: HMRB 10 SH LT

Series	Start-to-high ¹	Dimming	Voltage ²	Color ^{hmr 10 only (required)}	Temp / humidity
HMR 10 ¹	(blank) None	(blank) None	(blank) 120/277 VAC	WH White	(blank) Standard
HMRB 10	SH w/ STH	D Occupancy controlled dimming	347 347 VAC	IV Ivory	LT Low temp
HMRB 10 208					
HMRB 10 480					

2-POLE LOW VOLTAGE

High Bay End-Of-Aisle Sensors : 2-pole, Line Voltage

Electrical Specs

Load Rating / Pole

800 W @ 120 VAC

1200 W @ 277 VAC

1500 W @ 347 VAC

Motor Load 1/4 HP

Frequency 50/60 Hz

KEY SPECS

SERIES	ENCLOSURE	DETECTION	POWER TYPE [VAC]	POLES
HMRB 10 2P	Fixture mount	PIR	120/277	2



ORDERING INFORMATION

Example: HMRB 10 2P LT

Series	Voltage	Temp / humidity
HMRB 10 2P	(blank) 120/277 VAC 347 347 VAC	(blank) Standard LT Low temp

Notes

- 1 Dimming option not available.
- 2 Not for use with 208/480 devices.

POWER PACKS

& Slave Packs

Features

- Communicates w/ other sensors

Overview

Power packs are the heart of the low voltage sensor system. A power pack may transform Class I high voltage (120-277 VAC or 347 VAC) to Class II 15 VDC for powering remote sensors. A power pack may also switch a lighting load on and off

using its internal relay. Class II wire leads connect to 18 AWG or smaller low voltage cable running to the sensors, making installation easy and clean. Power packs also have an elongated mounting nipple that allows them to be mounted either directly through a ½ inch knockout into a junction box, or inside an adjacent box for meeting specific local code requirements in ceiling plenums.

There are several different types of power packs, each with a unique combination of features. The most versatile power pack is the **PP20**, which utilizes a patented relay contact protection and can power up to 14 sensors. Multi-circuit control can be handled by multiple **PP20s**, 2-pole power packs (**PP20 2P**), or combination power pack and slave pack (**SP20**) configurations.

ENCLOSURES



SINGLE POLE UNITS

SIZE H: 3.00" (7.62 cm)
W: 2.25" (5.72 cm)
D: 1.88" (4.78 cm)
WEIGHT 6 oz
MOUNTING .5" knockout
COLOR Black



2-POLE UNITS

SIZE H: 4.13" (10.49 cm)
W: 3.00" (7.62 cm)
D: 1.88" (4.78 cm)
WEIGHT 6 oz
MOUNTING .5" knockout
COLOR Black

POWERING CAPACITY

A power pack's transformers can supply up to 150mA of power. Each relay requires 40mA during the on state. Low voltage remote sensors typically require 4 mA when detecting occupants, and 0.15 mA when in standby. Therefore, each transformer can handle up to 3 relays (including the relay(s) inside the power pack). For example, one **PP20** can power its relay (40 mA) and 110mA of external devices. Because of the ultra low current design of the sensors, up to 14 or more sensors can be connected to a single power pack! If multiple power packs are used together, an additional 110mA is available.

SERIES	POWER SPECS	
	SENSORS	SENSORS w/ R OPTION
[1] PP 20 (or MP 20)	14	8
[1] PP 20 2P	7	6
[1] PP 20 w/SP 20 (or MP 20 w/ MSP 20)	7	6
[1] PP 20 2P w/ SP 20	5	5
[2] PP 20 (or [2] MP 20)	28	16
[2] PP 20 2P	14	12

Note: Table information reflects usage with 120/277 or 347 VAC power

Note 1: Only three relays may be controlled with one power pack. If more than three circuits are required, multiple power packs must be used.

Note 2: The **R** option adds an isolated low voltage relay to a sensor. Only one "Sensor with **R** option" is typically needed in a room.

OPTION INFORMATION

347 347 VAC

- Allows power pack to be powered from and switch 347 VAC

LT Low temp / high humidity

- Power pack is corrosion-resistant to moisture
- Operates down to -40°F/C

SYSTEM DESIGNS

The local override switch may be upstream or downstream of a **PP20**. However, if an **SP20** or a **PP20 2P** power pack is being used, the switch(es) should be downstream on the load side of the relay. If power is disconnected to the power pack, all subsequent relays will open, turning off all of the loads. If wiring the local

switches before the power pack and slave pack, use multiple **PP20s**, one for each circuit. This will allow for one circuit to remain powered, keeping the system operational when the other is turned off. When controlling a dimming circuit, **PP20** must be wired before the dimmer, or **SP20** may be wired after the dimmer.

Power packs with relay circuit protection are designed to switch alternating current (AC) only. For switching DC signal inputs to EMS or lighting control systems, use power pack model # **MP20**, or sensors with the **R** option that adds a signal relay to the low voltage sensor.

CONTACT PROTECTION

An AC semi-conductor is used in parallel with a power relay to perform the actual "Turn On" and "Turn Off" functions. The switching life of this semi-conductor is virtually infinite because it has no moving parts. The power relay contacts are then used to carry the current during the On state, thereby preventing in-rush or

inductive kick from damaging the relay contact. The result is extremely long relay life (tested to 400,000 cycles). The **PP20**, **PP20 2P** and **SP20** power pack versions all utilize this technology. When controlling larger loads of electronic ballasts with high in-rush characteristics, relay contact protection is advised.

PLENUM MOUNTING

Power packs and slave packs are plenum rated. Most local codes allow for small plastic controls in return air plenums, though some do not. To meet all local codes, the units can be mounted inside an adjacent (deep) junction box as shown.

SLAVE PACK vs POWER PACK

A slave pack (also called an auxiliary relay) contains the same switching relay as a normal power pack, though it does not contain the transformer. Slave packs can be used in applications where power is supplied from another power pack. Slave packs are available

with (**SP20** version) and without (**MSP20** version) relay contact protection.

A power supply contains the same transformer as a power pack, though it does not contain a relay. Power

supplies are ideal for supplying power to devices, such as the **CM ADC**, which does not need to switch line voltage.

POWER PACKS

Power Packs & Slave Packs

Electrical Specs

Operating Voltage

120, 240, 277 [Single Phase]

Relay Current Requirements

40mA

Switching Load 20 Amps / Pole

Output Voltage / Current

15 VDC, 150 mA

Motor Load 1 HP

KEY SPECS

SERIES	RELAY CONTACT PROTECTION	TRANSFORMER	# OF POLES (RELAYS)
PP20	Yes	Yes	1
PP20 2P	Yes	Yes	2
SP20	Yes	No	1
MP20	No	Yes	1
MSP20	No	No	1
PS150	No	Yes	0



ORDERING INFORMATION

Example: PP20 347 LT

Series	Voltage ¹	Temp / humidity
PP20	(blank) 120/277 VAC	(blank) Standard
PP20 2P ¹	347 347 VAC	LT Low temp
SP20		
MP20		
MSP20 ²		
PS150		

Notes

- 1 347 option not available on PP20 & MSP20.
- 2 347 option is integrated in MSP20.

DAYLIGHTING CONTROL

DAYLIGHTING

Control Sensors

Features

- Works as stand-alone unit or with occupancy sensors
- Auto set-point calibration
- Push-button programmable
- 100 hr. lamp burn-in timer
- Green LED indicator
- Fully digital control

Overview

On/off photocell and dimming sensors provide intelligent control of lighting for daylight harvesting applications. Ideal for spaces with windows, such as vestibules, corridors, classrooms or offices, the sensors work by monitoring daylight conditions in a

room, then controlling the lighting so as to ensure that adequate lighting levels are maintained.

Low voltage sensors are powered with 12-24 VAC/VDC. On/off photocell sensors operate with a power pack (Model # **PP20**), enabling complete 20 Amp circuits to be controlled.

Dimming photocell sensors are capable of controlling any 0-10 VDC dimmable ballast. Line voltage versions are also available that integrate a line switching relay and/or power off the line.

ENCLOSURES



CEILING MOUNT

- SIZE 4.55" dia. (11.56 cm)
1.55" deep (3.94 cm)
- WEIGHT 6 oz
- MOUNTING 3.5" octagon box, or single gang handy box
- COLOR White



RECESSED MOUNT

- SIZE 4.40" (11.18 cm) Square
- WEIGHT 6 oz
- MOUNTING Recessed into a 4" x 4" square junction box
- COLOR White



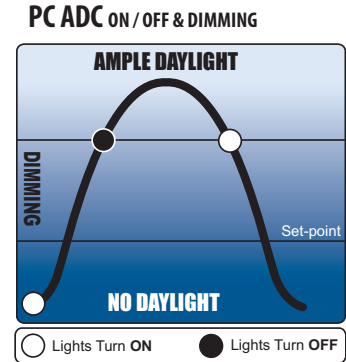
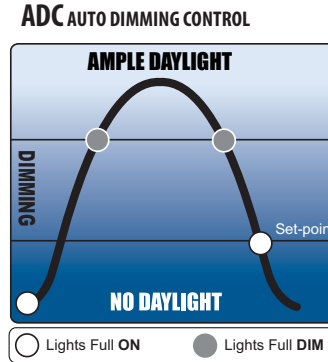
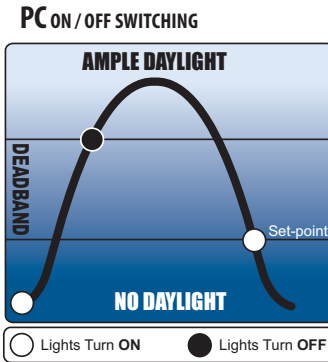
FIXTURE MOUNT BOX

- SIZE 3.63" H x 3.63" W x 1.50" D
(9.22 cm x 9.22 cm x 3.81 cm)
- WEIGHT 6 oz
- MOUNTING .5" knockout
- COLOR White

COVERAGE PATTERN

Solution Types

- Automatic on/off switching (**PC**)
- Automatic dimming control (**ADC**)
- Combination on/off and dimming control (**PC ADC**)



OPTION INFORMATION

DZ Dual zone

- Provide second output that can control an additional zone of lighting

Stepped Dimming (Duo)

Operation (PC Only)

- Ideal for A/B (also called inboard/outboard) switching applications
- Determines the necessary on/off combination of the two poles in order to maintain adequate lighting

SH Percentage offset operation

- Ideal for classrooms with individually controlled parallel rows of lights
- **PC** sensors use a relative set-point for the second pole that is a percentage of the first pole's set-point
- **ADC** sensors enable control of an additional 0-10 VDC dimmable ballast at a selected level (voltage) higher than that of the primary zone

347 347 VAC

- Allows sensor to be powered from and switch 347 VAC

LT Low temp / high humidity

- Sensor is corrosion-resistant to moisture
- Operates down to -40°F/C

LOW VOLTAGE

Daylighting Control Sensor : Low Voltage

Electrical Specs

Operating Voltage

12-24 VDC/VAC

Recommended Power Supply

PP20

Current Draw

4 mA

Dimming Load

sinks up to 20mA

or 40 ballasts @ .5 mA each

(0-10 VDC dimmable ballasts only)

KEY SPECS			
SERIES	ENCLOSURE	CONTROL TYPE	POWER TYPE [VDC/VAC]
CM PC	Ceiling mount	On/off	12-24
RM PC	Recessed mount	On/off	12-24
CMB PC	Fixture mount box	On/off	12-24
CM ADC	Ceiling mount	Dimming	12-24
RM ADC	Recessed mount	Dimming	12-24
CMB ADC	Fixture mount box	Dimming	12-24
CM PC ADC	Ceiling mount	On/off & dimming	12-24
RM PC ADC	Recessed mount	On/off & dimming	12-24
CMB PC ADC	Fixture mount box	On/off & dimming	12-24



Example: CM PC DZ LT

ON / OFF SWITCHING

Series	Dual zone	Temp / humidity
CM PC	(blank) Single zone	(blank) Standard
RM PC	DZ Dual zone	LT Low temp
CMB PC		

DIMMING CONTROL

Example: CM ADC DZ LT

Series	Dual zone	Temp / humidity
CM ADC	(blank) Single zone	(blank) Standard
RM ADC	DZ Dual zone	LT Low temp
CMB ADC		

ON/OFF & DIMMING

Example: CM PC ADC DZ LT

Series	Dual zone	Temp / humidity
CM PC ADC	(blank) Single zone	(blank) Standard
RM PC ADC	DZ Dual zone	LT Low temp
CMB PC ADC		

LINE VOLTAGE

Daylighting Control Sensor : Line Voltage

Electrical Specs

Load Rating (1 Phase Only)

800 W @ 120 VAC

1200 W @ 277 VAC

1500 W @ 347 VAC

Motor Load

1/4 HP

Dimming Load

sinks up to 20 mA

or 40 ballasts @ .5 mA each

(0-10 VDC dimmable ballasts only)

KEY SPECS			
SERIES	ENCLOSURE	CONTROL TYPE	POWER TYPE [VAC]
CMR PC	Ceiling mount	On/off	120/277
RMR PC	Recessed mount	On/off	120/277
CMRB PC	Fixture mount box	On/off	120/277
CMR ADC	Ceiling mount	Dimming	120/277
RMR ADC	Recessed mount	Dimming	120/277
CMRB ADC	Fixture mount box	Dimming	120/277
CMR PC ADC	Ceiling mount	On/off & dimming	120/277
RMR PC ADC	Recessed mount	On/off & dimming	120/277
CMRB PC ADC	Fixture mount box	On/off & dimming	120/277



Example: CMR PC DZ LT

ON / OFF SWITCHING

Series	Dual zone	Voltage ¹	Temp / humidity
CMR PC	(blank) None	(blank) 120/277 VAC	(blank) Standard
RMR PC	DZ Dual zone	347 347 VAC	LT Low temp
CMRB PC		480 480 VAC	

DIMMING CONTROL

Example: RMR ADC 347

Series	Voltage	Temp / humidity
CMR ADC	(blank) 120/277 VAC	(blank) Standard
RMR ADC	347 347 VAC	LT Low temp
CMRB ADC		

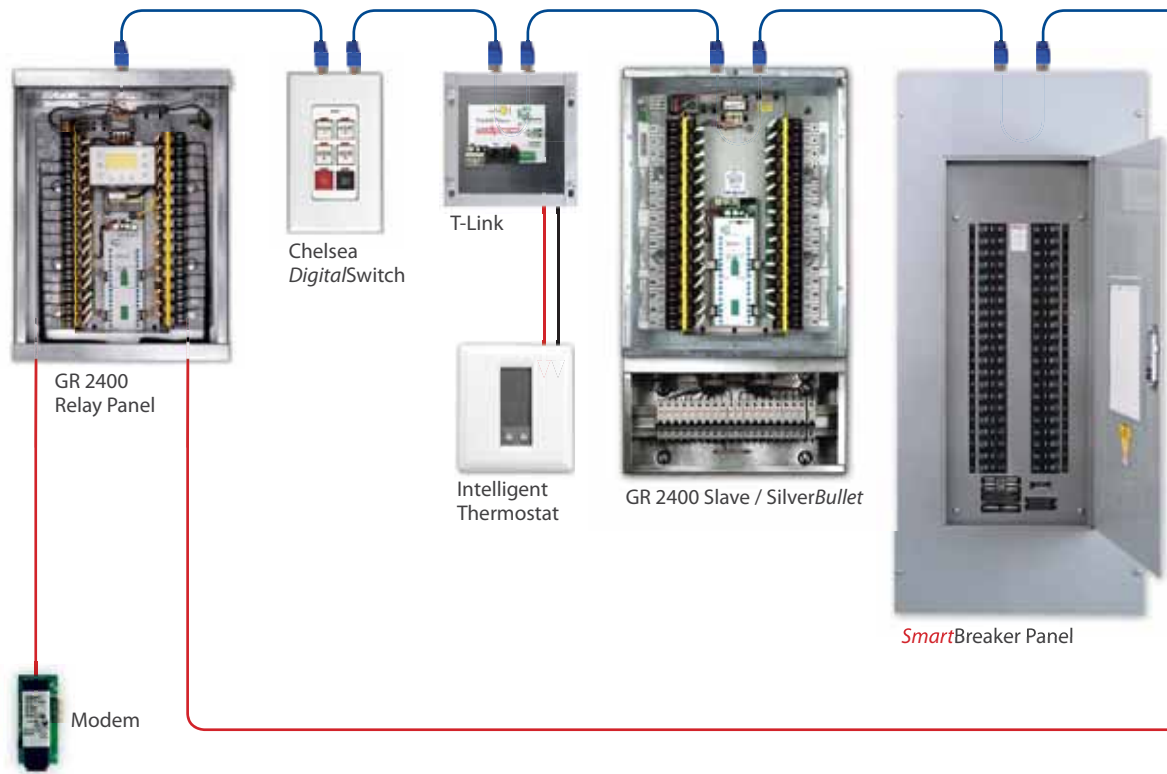
ON / OFF & DIMMING

Example: CMR PC ADC LT

Series	Voltage	Temp / humidity
CMR PC ADC	(blank) None	(blank) Standard
RMR PC ADC	347 347 VAC	LT Low temp
CMRB PC ADC		

Notes

1 480 option not available w/dual zone (DZ).



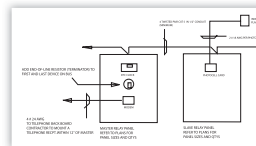
Lighting Controls System Overview

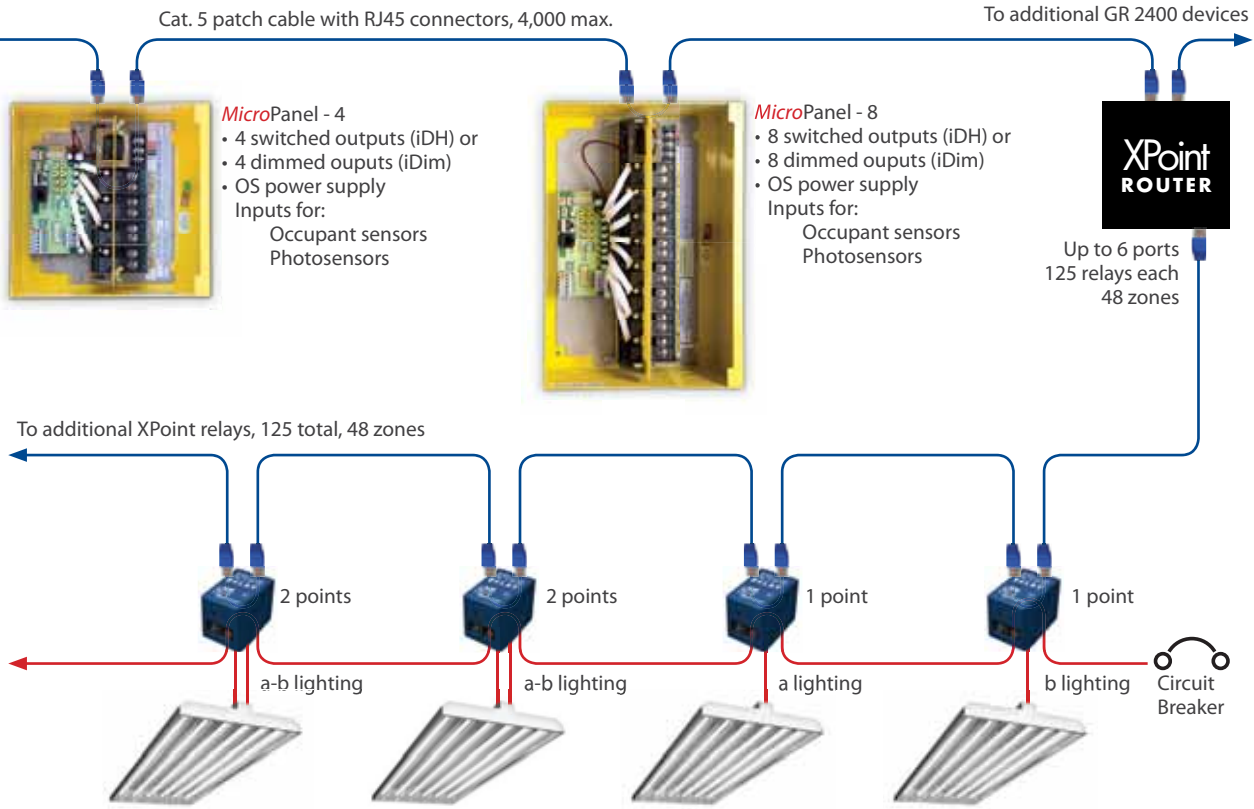
The GR 2400 lighting controls system is more than just relay panels and hardware. It is a completely digital, integrated system that will lower your operating expenses. Every part of our 100% digital system is network based and offers ultimate flexibility to meet changing client requirements.

The GR 2400 system is 100% scalable. No more complex choices about which “level” of system to use—the GR 2400 system accommodates any size project and offers a wide breadth of products, ranging from switching and dimming to building automation links and digital thermostats.

Unity 2.0 Lighting Controls Software

1. Add relay panels, switches or any of our many accessories.
2. Submit your lighting controls system in AutoCAD format or output your design to a Unity file and email it to us. LC&D can build your system according to your specs.
3. Export your lighting controls system design to CAD (.dxf format) in seconds. Unity 2.0 will generate a single-line drawing, panel schedules, switch schedules and specifications.





SnapLink™ Latching Relays

Description

With 30 amp contacts @ 277VAC and a short circuit current rating of 18,000 amps @ 277V, the SnapLink latching relay may be the most rugged lighting relay available.

Upon loss of normal power, the normally closed latching contacts automatically close, ideal for control of emergency loads. Rated 250,000 cycles at full load, our relays can definitely beat up their relays.

N/C Contact Ratings

30A @ 277V ballast, HID
20A @ 347V ballast and 120V tungsten

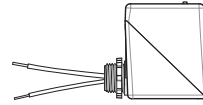
Optional Relay Configurations

Normally open latching
Double pole, NO or NC (600V)
Double throw 20A @ 277V

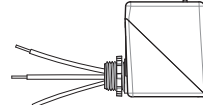
Product Codes

For specific product codes, refer to the LC&D product catalog or visit www.lightingcontrols.com.

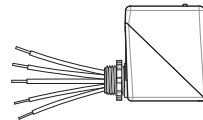




XPoint Single
One 30A relay



XPoint Dual
Bi-level control with two 30A relays



XPoint Dimming
One 30A relay with 0–10V dimming output

XPoint Relays

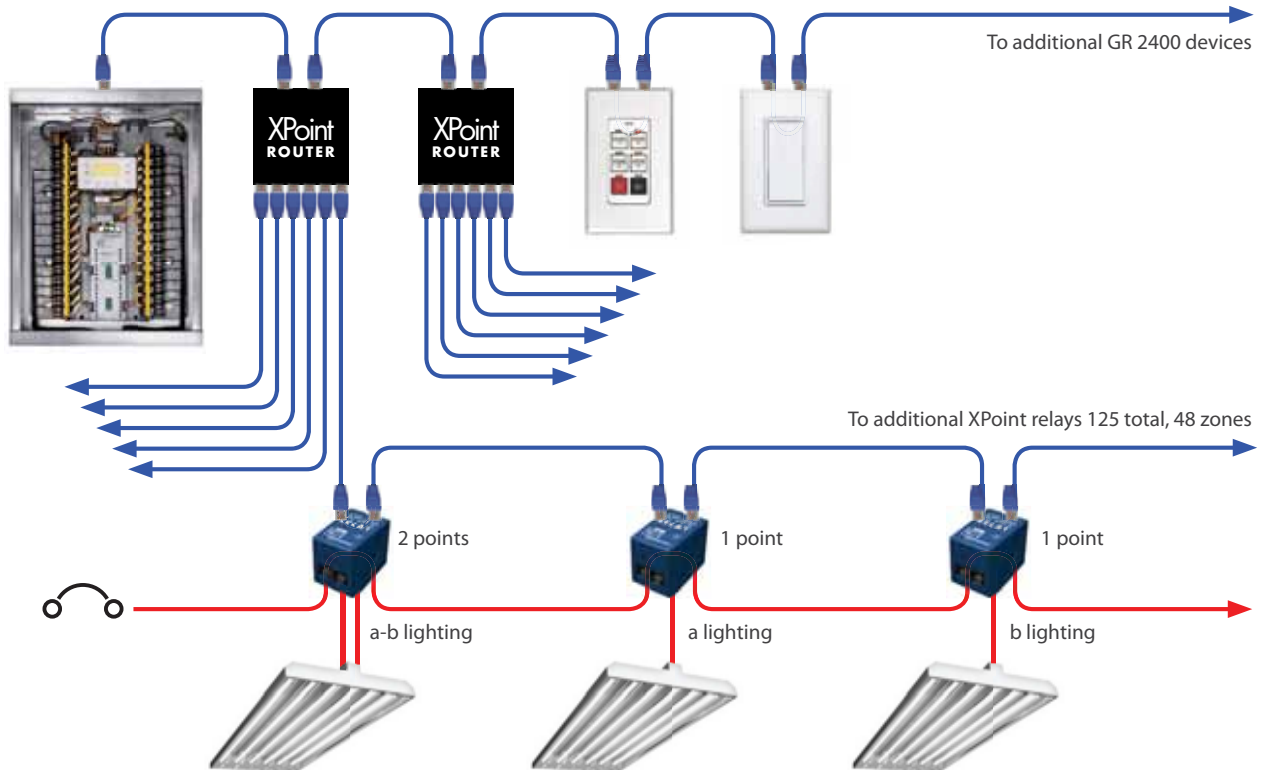
Description

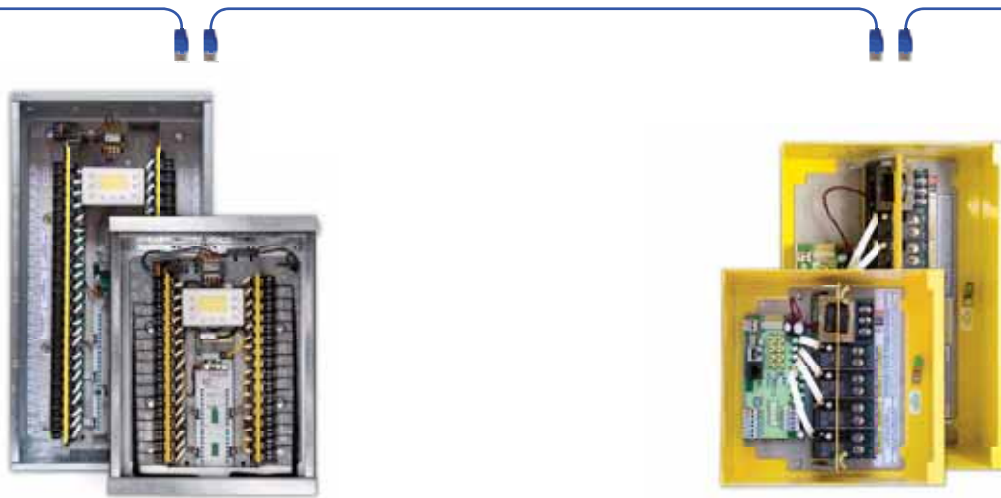
The XPoint relay provides all the features of a networked relay without the panel. Mount the XPoint relay on a fixture or at the head of a row of fixtures—up to 20 amps. Ideal for new construction or for retrofitting an existing facility, the XPoint allows for infinite reconfiguration of lighting groups and offers precise control exactly where you need it.

Each XPoint router may have up to 6 ports. Each port may have up to 125 relays configured into as many as 48 zones.

Product Codes

For specific product codes, refer to the LC&D product catalog or visit www.lightingcontrols.com.





GR 2400 Relay Panels

The Workhorse Panel

The GR 2400 Relay Panel is our most popular panel with its compact footprint and easy-to-access programming features.

Two Enclosure Sizes

- Up to 32 relays
- Up to 48 relays

Features

- All panels may be configured as master (with DTC clock) or slave
- 32-channel, 365-day/astronomical time clock. Large display (21 x 8 characters) acts as programming interface for the entire system. Non-volatile memory holds all programming indefinitely. Ten-year battery back-up for time-of-day.
- Manual override of individual relays or entire panel
- Any panel may be linked to any other panel (or any digital device) with Cat. 5 with RJ45s
- Free lifetime dial-up programming with factory-installed modems practically eliminate contractor call-backs. Panels arrive network ready.
- UL 916 and C-UL Listed
- Available as DMX 512 panel
- May control normal or emergency power
- Dual-voltage power supply (120/277V or 347V) may control mixed voltages

Product Codes

For specific product codes, refer to the LC&D product catalog or visit www.lightingcontrols.com.

MicroPanels

Description

The compact MicroPanel allows the successful integration of manual control, occupant sensors and daylight harvesting in a multi-level lighting environment such as an office, classroom or even aisle lighting in a daylight warehouse.

Two Enclosure Sizes

- Up to 4 relays or (0-10V) dimmers
- Up to 8 relays or (0-10V) dimmers

Two Panel Types

- MicroPanel-iDH (Integrated Daylight Harvesting) offers up to 4 or 8 relays for the ultimate in distributed switching control
- MicroPanel-iDim (Integrated Dimming) offers up to 4 or 8 (0-10V) dimming outputs to control dimming ballasts—ideal for distributed daylight dimming

Features

- Programmable contact inputs for occupant sensors or wall switches and programmable (0-10V) analog for photocells or slider dimmers
- Up to 12 dimming or switching scenes
- Free lifetime dial-up programming with factory-installed modems practically eliminate contractor call-backs. Panels arrive network ready.
- UL 916 and C-UL Listed
- Available as DMX 512 panel
- May control normal or emergency power
- Dual-voltage power supply (120/277V or 347V) may control mixed voltages



Blue Box™ LT Series

The Contractor Panel

The only panel you will ever need for small-to-medium projects. It is quicker to install than traditional lighting contactors and much easier to configure. The Blue Box™ LT Series is UL Listed and complies with every energy code in the USA.

Ditch the Old Way of Doing Things

Traditional lighting contactor panels require an electrical-mechanical assembly specific to the job at hand. This means parts/pieces and assembly time. Programming or hardwire changes made to lighting contactor panels require you to be on-site.

Three Enclosure Sizes

- LT-4: 2 or 4 relays
- LT-8: 4 or 8 relays
- LT-16: 8 or 16 relays

Features

- Panels arrive assembled and network ready
- UL 916 and C-UL Listed
- May control normal or emergency power
- Dual-voltage power supply (120/277V or 347V) may control mixed voltages
- Digital photocell input in master panel
- 14 optional programmable contact inputs for occupant sensors or wall switches
- Free lifetime dial-up programming with factory-installed modems practically eliminate call-backs

Product Codes

For specific product codes, refer to the LC&D product catalog or visit www.lightingcontrols.com.

SmartBreaker

Power To Spare

The GR 2400 SmartBreaker Panel uses solenoid-operated thermal magnetic breakers. Combine over-current protection and lighting control in a single package. Mix controlled and conventional breakers in the same panelboard.

The SmartBreaker Panel is part of the GR 2400 system and seamlessly integrates with GR 2400 relay panels, digital switches, the MicroPanel and all of our digital devices.

Directly control each breaker using Unity™ Lighting Control Software or Unity GX™ Advanced Graphical Software or from the DTC located in the master panel.

Three Enclosure Sizes

- Up to 24 breakers
- Up to 42 breakers

Features

- Main lugs or main breakers
- Retrofit chassis available
- 65,000 AIC @ 120VAC
- 14,000 AIC @ 277VAC
- Up to 42 controllable breakers
- 1-, 2- and 3-pole breakers
- Up to 480V
- Up to 100k AIC (Series rating). Panels arrive assembled and network ready.
- UL 916 and C-UL Listed

Product Codes

For specific product codes, refer to the LC&D product catalog or visit www.lightingcontrols.com.



Quintessence

Pre-fabricated Electrical Assemblies

Minimize construction costs and better manage construction time with Quintessence. At our factory, we will engineer, assemble, pre-wire and pre-program any of our digital lighting control panels with other electrical equipment including breaker panels, the *SilverBullet* and surge suppression.

Features

- Pre-wired, pre-assembled, pre-programmed
- Reduce construction time and construction costs
- Reduce equipment footprint and on-site labor costs

Pre-Fabricated Electrical Rooms

Pre-fabricated electrical closets or rooms also are available and can include telecom, main transformers, security and fire safety/suppression.

The *SilverBullet* Sub-Branch Circuit Current Limiter

Eliminate the 30 to 70 watts-per-foot energy code deductions for track lighting.

- Up to 12 or 21 breakers
- Current limiting available from 1-8, 10, 13 and 15 amps
- AIC Rating of 10,000A @ 120VAC

Surge Suppression

- Protect power inputs, loads and even our digital network. Assemblies are manufactured per customer specifications.

Pre-wired Breakers

- Reduce installation time and better manager costs. We will manufacture assemblies to your specification.

Product Codes

- For specific product codes, refer to the LC&D product catalog or visit www.lightingcontrols.com.

Link-To Synergy

Seamless Integration to Synergy Dimming Products

Integrate with any Synergy® dimming system for a complete and scalable dimming solution. Ideal for restaurants, conference rooms or even small auditoriums.

SQIDC Digital Control Stations

Up to 8 circuits, 8 zones

MLS Dimming System

Up to 60 circuits, 60 zones

MLX Dimming System

Unlimited circuits, unlimited zones

Product Codes

For specific product codes, refer to the LC&D product catalog or visit www.lightingcontrols.com.



Link-To Cards

Description

Our Link-To cards provide the ability to talk to the outside world. Integrate to dimming, building automation and more.

Link-To Building Automation

- Johnson® Metasys™
- BACnet®
- Trane® Tracer Summit
- Modbus

Link-To PC/Ethernet

- Intranet or internet link from a computer to lighting controls
- Standard Comm Port (RS 232) to GR 2400 network
- Optional USB input

MetaServer and UpLink

- Link up to 255 digital buses
- Digital web server provides internet/computer access
- Run-time and event-logging stored in flash memory

Other Link-To Cards

- Link-To Analog and Digital
- DMX 512

Product Codes

For specific product codes, refer to the LC&D product catalog or visit www.lightingcontrols.com.



Link-To
Building Automation



Link-To Ethernet



Link-To PC



Other Link-To Cards

Software

Unity 2.0

Unity Lighting Control Software bundles design (specification), programming and management of a lighting controls system into a single software package. It's free and requires no formal training.



Design

Unity uses a powerful design engine to quickly lay out complete lighting control systems using easy point-and-click features.

- Set up any aspect of a system including relay panels, switches, photocells, and time schedules.
- Output your design to AutoCAD® in only seconds, including job-specific single-line drawings, panel and switch schedules and specs.

Program & Manage

- Real-time status and control of relays and switches
- Program or adjust any aspect of your lighting controls, including clock schedules and switch functions. Remotely adjust photocell trip points and more.
- Run diagnostics for troubleshooting

Unity GX

While Unity comes with a graphical management package, Unity GX takes graphical control of lighting controls to the next level.

- Easily import CAD files, photos, etc. and quickly map them out for real-time status and control of any zone
- Pan and zoom for control of larger footprint applications
- Advanced time scheduling and seamless integration
- Settings may be saved to disk and uploaded at any time
- Use DataLogger to optimize and schedule lamp changes





Switches

Description

LC&D provides a range of switches to meet any application, any requirement and any location. Switches are global —they can control any relays, dimmers, scenes or other devices in any combinations. All adjustments are made via programming.

Product Codes

For specific product codes, refer to the LC&D product catalog or visit www.lightingcontrols.com.

Accessories

Expand Your Controls

Below is a sample of some of the accessories LC&D offers to complete our digital lighting controls system. For a complete list, refer to our website.

Product Codes

For specific product codes, refer to the LC&D product catalog or visit www.lightingcontrols.com.

PRODUCT	DESCRIPTION
	Wireless Switch and Photocell: Control any loads, scenes, dimmers, etc. No batteries required. Locate virtually anywhere. EnOcean-enabled.
	Chelsea Digital Switch: 1, 2, 3, 4 and 6 buttons and free factory engraving. Ideal for override of automatic controls and manual control of lighting. Product Code: CH-1, 2, 3, 4 and 6.
	The Switch Bolt: Virtually indestructible stainless-steel bolt. With a touch of your finger, the SwitchBolt can control any relay, dimmer, group or scene in any GR 2400 panel.
	Digital Rocker Switch: Looks like a regular Decora switch but operates like a digital switch. Manual dimming, scene activation or on/off.
	KB Digital Switch: With 1-6 buttons and free factory engraving. Ideal for override of automatic controls and manual control of lighting. Highly customizable.

PRODUCT	DESCRIPTION
	Digital Outdoor Photocell (PCO): Connects to the master panel. Recommended for stormy regions (where it may darken early) to supplement the astronomical clock.
	Slimline Photosensor: For open loop or closed loop daylight harvesting. The small footprint makes it ideal for mounting directly to luminaires. Local and global control.
	Key Digital Switch: Momentary on/off or “captive key”. Control loads or enable/disable other switches. For gymnasiums, site-lighting and high-security applications.
	Digital Thermostats/T-Link: Control up to 32 digital thermostats (heat-pump or multi-stage). Set-back time and temperature, remote adjustment and manual override.
	Digilink: For non-digital switch projects, standard wall switches or center-off momentary switches; 14 (global) contact closure inputs or 6 (global) enable/disable contact inputs.



SYNERGY LIGHTING CONTROLS

Synergy Lighting Controls, an Acuity Brands® Controls company, is a premier manufacturer of native BACnet® lighting controls, architectural dimming systems and fixture-embedded lighting controls. Synergy products are used in office buildings, churches, theaters, arenas/sporting complexes, airports, K-12 schools, college campuses and manufacturing/industrial facilities.



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SIMPLY5
LIGHTING INTELLIGENCE

ONE SYSTEM... INFINITE POSSIBILITIES

POWER MODULE OPTIONS

May be combined within the same enclosure to meet job site requirements.



RELAY MODULE

Eight single-pole relays with zero-cross switching, plus eight switch and two analog input terminals.



DALI CONTROL MODULE

Network controllers and power supplies for three DALI networks.



RELAYS WITH BREAKERS

Similar to relay module, with either six 120V, four 277V or four 347V branch circuit breakers.



BALLAST CONTROL MODULE

Eight channels of 0-10V DC dimming with integrated 20A relays for four-wire dimming ballasts. Available with 120V, 277V and 347V circuit breakers.



DIMMER MODULE

Six universal load digital dimmers suitable for 120V or 277V incandescent, fluorescent, low-voltage, neon, cold cathode and non-dim loads.



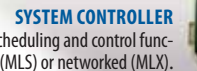
TAP FEED LUG OPTION

Allows several Synergy enclosures to share a single main feed up to 400A, three phase.



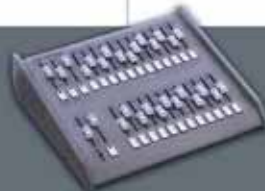
MULTI-POLE RELAYS

Up to four 30A contactors with either two or four poles each.



SYSTEM CONTROLLER

Provides local user interface, scheduling and control functions. Available in stand-alone (MLS) or networked (MLX).



DMX Theatrical Control
(Optional)



Telephone Interface
(Optional)



RS232 Interface
Local A/V system.



Laptop Connection
For programming and operation.



Controllable Breaker
Provides individual control of each circuit breaker and works with all standard Synergy controller and user interface options.



The Synergy® lighting control system offers flexible and scalable solutions that satisfy the requirements of both owners and occupants. The Synergy system integrates all aspects of lighting control, including low-voltage switching, architectural dimming, occupancy sensing and daylight harvesting into a single platform. A native BACnet® network allows Synergy to seamlessly integrate with Building Automation Systems (BAS).

- Flexible Control Choices
- Customized Functionality
- Maximum Expandability
- Maximum Energy Savings
- Energy Code Compliant
- Architectural Dimming
- Distributed Control
- Low-Voltage Switching
- Controllable Circuit Breakers
- Daylighting Controls



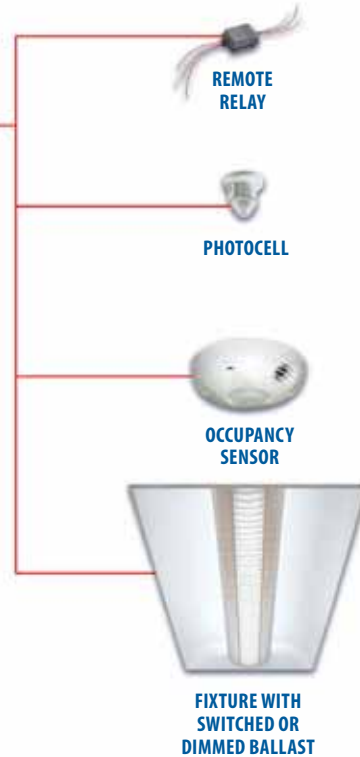
PRESET CONTROL
Four-, eight-, 12- and 16-channel master station with six preset lighting scenes.



DIGITAL REMOTE
One to nine buttons in a single gang. Optional wireless receiver for operation and programming of presets from hand-held transmitter.



DISTRIBUTED CONTROLS
Provides distributed control of switched or dimmed lighting fixtures. May be used stand-alone or as part of a fully integrated Synergy system.



SYSTEM ENCLOSURE FOR RELAYS AND DIMMERS
Three capacities, up to two, four or six power modules.



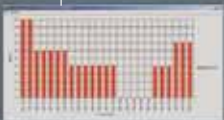
SYNERGY BACGATE
Gateway to link Synergy network to third-party and Lithonia legacy systems.



NATIVE BACNET
Integrates with BACnet compatible building automation and control systems. Standard interconnection is EIA RS-485 twisted pair wire bus, which can be extended between buildings with fiber optics, campuswide over Ethernet, or worldwide via the Internet.



(screen captures of Synergy CONFIG software)



Kwh Usage and Trending
Monitor kwh, trend and graph usage of lighting loads with this optional add-in to the Synergy CONFIG application.



Interactive Graphics
Monitor and control entire lighting system via virtual control panel screens created with simple on-board tools, or import graphic image backgrounds and floorplans to suit project requirements.

Synergy CONFIG Software
Configure, control and monitor Synergy lighting control panels from on site or remote locations via phone lines or WAN with this easy-to-use Windows® application.



www.SynergyLightingControls.com

SY Synergy® System



Intended Use
A unique lighting control system that integrates all aspects of lighting control into a single-system platform. Combines architectural dimming, low-voltage switching, lighting automation and energy management functions into a single, scalable package capable of meeting the requirements of virtually any lighting control application.

System Features
Combines the most popular aspects of lighting automation

with full-featured low-voltage switching and architectural dimming functions.
Switching and dimming functions may be controlled manually or scheduled on a weekly or calendar date basis. Functions may be set up using the integral LCD alphanumeric display and keypad or through the use of a personal computer with optional SYSW CONFIG software.
Panels can operate individually as stand-alone lighting controllers or optionally in a

network configuration with distributed intelligence. A choice of system controllers allows customization to best meet the requirements and budget of each project.
Synergy systems utilizing the MLX controller are native BACnet® lighting control devices. This provides easy, seamless integration with other native BACnet building automation systems without the need for gateways or other clumsy network interfaces.

Provides capacity for a maximum of 48 relays or 30 dimmers per enclosure. Enclosures can operate in a master/secondary configuration, providing control of up to 96 outputs from a single controller. Relays and dimmers are each rated for control of one lighting circuit at the listed voltage.
Listings
UL Listed to U.S. and Canadian safety standards. California Title 24 certified.

ORDERING INFORMATION

Example: SYELB 16RB1 18DB1 MLX NBAR DMX

Series	Output-input quantity/type ¹		
SYES	Small enclosure, two modules maximum	_DB1 Qty. 120V, 2KW dimmers with six 20A circuit breakers, six dimmers per module	_RB4 Qty. single pole, 120/230/277/347V 30A relays, four 277V - 15A circuit breakers, eight relays per module, low-voltage inputs provided
SYEM	Medium enclosure, four modules maximum	_DB2 Qty. 277V, 3.5KW dimmers with four 20A circuit breakers, six dimmers per module	
SYEL	Large enclosure, six modules maximum	_DB3 Qty. 120V, 1.5KW dimmers with six 15A circuit breakers, six dimmers per module	_RB5 Qty. single pole, 120/230/277/347V 30A relays, four 347V - 20A circuit breakers, eight relays per module, low-voltage inputs provided
SYESB	Small enclosure with breaker door, two modules maximum	_DB4 Qty. 277V, 3.3KW dimmers with four 15A circuit breakers, six dimmers per module	_RB6 Qty. single pole, 120/230/277/347V 30A relays, four 347V - 15A circuit breakers, eight relays per module, low-voltage inputs provided
SYESB	Small enclosure with breaker door, two modules maximum	_DB5 Qty. 120V, 2KW dimmers with four 20A - 64K AIC circuit breakers, six dimmers per module	
SYEMB	Medium enclosure with breaker door, four modules maximum	_R Qty. single pole, 120/230/277/347V 30A relays, eight relays per module, low-voltage inputs provided	_RDSO Qty. single pole, 120/230/277/347V 30A relays, eight relays per module, no low-voltage inputs
SYELB	Large enclosure with breaker door, six modules maximum	_RB1 Qty. single pole, 120/230/277/347V 30A relays, six 120V - 20A circuit breakers, eight relays per module, low-voltage inputs provided	_RB1DSO Qty. single pole, 120/230/277/347V 30A relays, six 120V - 20A circuit breakers, eight relays per module, no low-voltage inputs
		_RB2 Qty. single pole, 120/230/277/347V 30A relays, four 277V - 20A circuit breakers, eight relays per module, low-voltage inputs provided	_RB2DSO Qty. single pole, 120/230/277/347V 30A relays, four 277V - 20A circuit breakers, eight relays per module, no low-voltage inputs
		_RB3 Qty. single pole, 120/230/277/347V 30A relays, six 120V - 15A circuit breakers, eight relays per module, low-voltage inputs provided	_RB3DSO Qty. single pole, 120/230/277/347V 30A relays, six 120V - 15A circuit breakers, eight relays per module, no low-voltage inputs

Output-input quantity/type (continued) ¹	Controller type	Main feed options	Options
_RB4DSO Qty. single pole, 120/230/277/347V 30A relays, four 277V - 15A circuits, eight relays per module, no low-voltage inputs	MLX Network controller	(blank) No tap feed lugs, no main breaker	(blank) Panel ships as components consisting of enclosure, power modules and controller
_RB5DSO Qty. single pole, 120/230/277/347V 30A relays, four 347V - 20A circuit breakers, eight relays per module, no low-voltage inputs	MLS Stand-alone controller	ML Tap-feed lugs for powering up to four cabinets from a single main feed. Requires two module positions. Requires power modules with circuit breakers.	DMX Dimming interface required for connection to DMX512 control
_RB6DSO Qty. single pole, 120/230/277/347V 30A relays, four 347V - 15A circuit breakers, eight relays per module, no low-voltage inputs	SCP Secondary panel, less controller	MB Main breaker, 3 pole, specify number of amps	PHONE Telephone interface for voice-prompted override and remote modem access (requires ISA option)
_CB1 Qty. 120V constant breakers, six breakers per module		NBAR 42-circuit neutral bar	LEGACY Allows control of legacy MininPac®, Sequel® and MaxStar® dimmer cabinets
_CB2 Qty. 277V constant breakers, four breakers per module			RS2324P Four-port RS232 expansion card
_DALI DALI module with power supply and controller for three-DALI loops			

ADDITIONAL INFORMATION For additional product information, visit www.synergylightingcontrols.com.

ACCESSORIES	
ORDER SEPARATELY	
SYA SRE	Recess kit for small enclosures
SYA MRE	Recess kit for medium enclosures
SYA LRE	Recess kit for large enclosures
SYNERGY DRAWINGS	Synergy project installation drawings

Notes
1 Specify quantity in blank.

SYE Enclosures

Intended Use

Provides housing and electrical support for the relay power modules, dimmer power modules and system controller in a Synergy® lighting control application.

System Features

Synergy system enclosures are shipped from factory stock in three sizes, accommodating either two, four or six power modules. The enclosures are fabricated from cold rolled steel, are designed for surface wall

mounting and carry a NEMA 1 electrical rating.

An optional recessed mounting kit permits the enclosure to be flush-mounted in a 6" thick wall.

All enclosures are shipped with a factory-installed power supply with input terminals provided for either 120V, 240V or 277V supply voltage. Enclosures intended for use with dimmer modules are supplied with an internal thermostatically controlled cooling fan and a cover with

hinged locking door to cover the power module mounted circuit breakers.

A variety of main lug, neutral bar and main breaker options are available to configure Synergy as a busse three-phase or single-phase dimming/switching panel.

Listings

UL Listed to U.S. and Canadian safety standards.



Example: SYEM 120/277

ORDERING INFORMATION

Series

- SYES Small enclosure; two power module spaces. No circuit breaker door.
- SYEM Medium enclosure; four power module spaces. No circuit breaker door.
- SYEL Large enclosure; six power module spaces. No circuit breaker door.
- SYESB Small enclosure; two power module spaces. Provision for circuit breakers.¹
- SYEMB Medium enclosure; four power module spaces. Provision for circuit breakers.
- SYELB Large enclosure; six power module spaces. Provision for circuit breakers.

Voltage

120/277 120/230/277V, 50Hz or 60Hz operation

ADDITIONAL INFORMATION

For additional product information, www.synergylightingcontrols.com.

ACCESSORIES
ORDER SEPARATELY

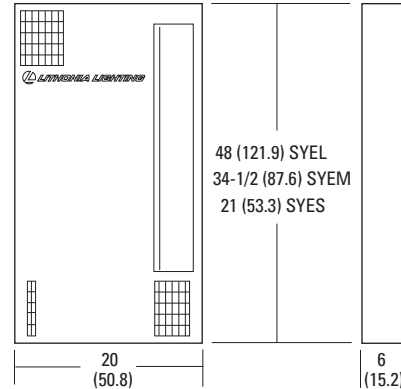
SYA SRE	Recess kit for small enclosures
SYA MRE	Recess kit for medium enclosures
SYA LRE	Recess kit for large enclosures
SYPMB NBAR	Neutral bar assembly. Requires one module space (see page 753).
SYPMB MB_NBAR	Main breaker assembly with neutral bar, 3-pole. Specify capacity in amps (30, 40, 50, 60, 70, 80, 90, 100). Requires one module space (see page 753).
SYPMB ML	Main lug assembly, 3 position. Requires SYPMB MN (see page 753).
SYPMB MB_ML	Main breaker assembly with main lug. Specify capacity in amps (30, 40, 50, 60, 70, 80, 90, 100). Requires one module space (see page 753).

SHIPPING WEIGHT

Small enclosure	30 lbs. (14 kg)
Medium enclosure	40 lbs. (18 kg)
Large enclosure	50 lbs. (23 kg)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

Add 1-1/2 (3.8) to height and width for recessed version.



Notes

1 Maximum one dimmer module.

SYPM 8R

Relay Module



Intended Use
Used in conjunction with system enclosure and controller to provide manual and automatic on/off control of all types of lighting loads, and 0-10V dimming control of compatible four-wire fluorescent and non-dim loads. Combine with other Synergy® system SYPM power modules to create a complete integrated lighting control solution for any application.

Electrical
Relays rated 30A @277V ballast, HID; 20A @347V ballast

and 20A @120V tungsten. 18,000 amps SCCR @277V.
Relays individually replaceable.

System Features
Modules include eight 30A relays for 120V, 230V, 277V and 347V applications. Modules may be ordered with optional 15A or 20A branch circuit breakers. Unique zero-cross switching technology minimizes the destructive effects of switching large high-inrush loads, such as electronic fluorescent and HID. Relays feature normally closed latching contacts,

which is ideal for emergency lighting applications.
Modules are standard with a pilot light output for each relay, eight low-voltage contact switch inputs and two analog inputs for photocells. Each low-voltage input is suitable for dry contact switches or occupancy sensors. Each 0-10V output may be used to control up to 50 compatible four-wire ballasts. All inputs are fully configurable through the use of a system controller to work with a wide variety of input devices and control any

combination of system relays and dimmers. Once configured, all module settings are stored locally and the module will continue to operate in fail-safe mode even if the system controller is removed from the system.

The DSO option removes all low-voltage, analog and contact closure inputs for applications where only digital control using Synergy digital stations is required and 0-10V dimming is not needed.

Listings
UL Listed to U.S. and Canadian safety standards.

Example: SYPM 8R

ORDERING INFORMATION

Series	Type	Circuit breakers	Options
SYPM Module for use with external circuit breakers	8R Relay module with eight single-pole 30A relays for 120V, 230V, 277V and 347V operation. Includes low-voltage inputs and 0-10V dimming.	(blank) No circuit breakers	DSO Digital control only. No low-voltage inputs or 0-10V dimming.
SYPMB Module with circuit breakers		B1 Six 20A, 120V, 10KAIC breakers B2 Four 20A, 277V, 14KAIC breakers B3 Six 15A, 120V, 10KAIC breakers B4 Four 15A, 277V, 14KAIC breakers B5 Four 20A, 347V, 14KAIC breakers B6 Four 15A, 347V, 14KAIC breakers	

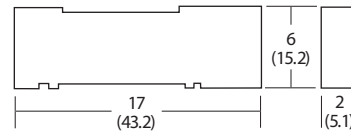
ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

SHIPPING WEIGHT

Without breakers	4 lbs. (1.9 kg)
With breakers	9 lbs. (4.1 kg)

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

SYPMB 6D

Line-Voltage Dimmer Module



Intended Use
Used in conjunction with system enclosure and controller to provide manual and automatic on/off and line-voltage dimming control of a wide variety of lighting loads. Combine with other Synergy® system SYPM power modules to create a complete integrated lighting control solution for any application.

System Features
Modules include six 20A line-voltage dimmers with integral 15A or 20A circuit breakers and are available for 120V, 230V and 277V applications. Each dimmer is equipped with an air-gap relay and an architectural-grade toroidal filter.
All digital design ensures smooth, dependable perfor-

mance without field calibration. Unique combination of analog circuitry and digital signal processing techniques minimize the effects of poor power quality and prevent noticeable flicker and drift.
Individual dimmer response curves are field configurable to accommodate most lamp and ballast types via the system controller. Once

configured, all module settings are stored locally and the module will continue to operate in fail-safe mode even if the system controller is removed from the system.

Listings
UL Listed to U.S. and Canadian safety standards.

Example: SYPMB 6DB1

ORDERING INFORMATION

Series	Dimmers/Circuit breakers/voltage	
SYPMB	Dimmers 6D Six dimmers per module	Circuit breakers/ voltage B1 Six integral 20A, 120V, 2 KW dimmers w/ 10KAIC breakers B2 Four integral 20A, 277V, 3.5 KW dimmers w/ 14KAIC breakers B3 Six integral 15A, 120V, 1.5 KW dimmers w/ 10KAIC breakers B4 Four integral 15A, 277V, 3.3 KW dimmers w/ 14KAIC breakers B5 Four integral 20A, 120V, 2 KW dimmers w/ 65KAIC breakers

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

SHIPPING WEIGHT

22 lbs. (10 kg)

Intended Use

Used in conjunction with system enclosure and power modules equipped with branch circuit breakers to facilitate connection of an individual Synergy® cabinet to a three-phase, four-wire or single-phase, three-wire main feed.

System Features

Modules include a 42-circuit neutral bar rated for a #6 to 2/0 AWG main feed and #14 to #4 AWG branch neutral conductors. The neutral bar can be used in 120V, 277V or 347V applications.

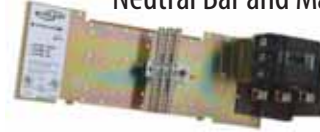
The optional main breaker is available in capacities up to 100A and is rated for 120V/240V, 120V/208V and 277V/480V feeds and conductor sizes up to 2/0 AWG.

Listings

UL Listed to U.S. and Canadian safety standards.

SYPMB NBAR SYPMB MB_NBAR

Neutral Bar and Main Breaker Modules



Example: SYPMB NBAR

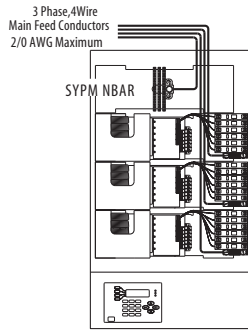
ORDERING INFORMATION

Series	Main breaker	Neutral bar
SYPMB ¹	(blank) No main breaker MB Main breaker, 3 pole, specify capacity in amps : 30, 40, 50, 60, 70, 80, 90 or 100	NBAR 42-circuit neutral bar

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

Drawing shows typical wiring only. Refer to product documentation for specific wiring details.



18 Dimmer, 3 Phase, 4 Wire Example

Notes

1 Requires SYE enclosure and SYSC MLS or MLX controller.

PRODUCT INFORMATION

Intended Use

Used in conjunction with system enclosures and power modules equipped with integrated branch circuit breakers to facilitate connection of up to four Synergy® cabinets to a single three-phase,

four-wire or single-phase, three-wire main feed.

System Features

ML modules include a three-position power distribution block and optional main breaker. MN modules include a single-position power

distribution block and a 42-circuit neutral bar. All distribution positions include one main lug rated for a single #4 AWG to 500 kcmil conductor and four tap lugs rated for a single #14 to 2/0 AWG conductor each.

One ML module and one MN module are required for each application. All units are rated for 120V/240V, 120V/208V and 277V/480V applications.

Listings

UL Listed to U.S. and Canadian safety standards.

SYPMB ML SYPMB MB_ML SYPMB MN

Tap Feed Power Modules



Example: SYPMB ML

ORDERING INFORMATION

Series	Main breaker	Distribution lugs
SYPMB ¹	(blank) No main breaker MB Main breaker, 3 pole, specify capacity in amps: 30, 40, 50, 60, 70, 80, 90 or 100	ML Phase conductor tap feed lugs, 3 position MN Neutral conductor tap feed lug with 42-circuit neutral bar

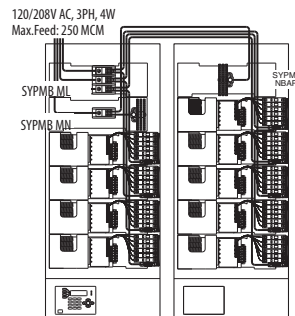
ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

SHIPPING WEIGHT

Without main breaker	4 lbs. (1.8 kg)
With main breaker	8 lbs. (3.6 kg)

Drawing shows typical wiring only. Refer to product documentation for specific wiring details.



54 Dimmer, Phase, 4 Wire Tap Feed Example

Notes

1 Requires SYE enclosure and SYSC MLS or MLX controller.

PRODUCT INFORMATION

SYA 2POLE SYA 3POLE SYA 4POLE

Multi-Pole Contactor



Intended Use
Synergy® two-, three- and four-pole lighting contactors install in a Synergy enclosure via the SYPM PLATE mounting plate accessory and provide integral control of multi-phase lighting loads.

Electrical
Field replaceable contacts and coils.
25A contact rating (2POLE version).
60A contact rating (3POLE version).
30A contact rating (4POLE version).

System Features
Suitable for 120V/208V, 120V/240V or 277V/480V branch circuit control. Up to four contactors can be installed per SYPM PLATE. One relay from an SYPM 8R, SYPM 8H or SYPM 8F power module is required to control the contactor coil for each lighting load controlled.

For example, if four, 2-pole contactors are used for individual control of four, 2-pole lighting loads, then four relays from an SYPM 8R, SYPM 8H or SYPM 8F power module will be required.
Listings
UL recognized components, CSA Certified.

ORDERING INFORMATION

Example: SYA 4POLE 120

Series	Contactors ¹	Voltage
SYA	2POLE 2 poles, 25A contacts 3POLE 3 poles, 60A contacts 4POLE 4 poles, 30A contacts	120 120V 277 277V

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

ACCESSORIES

ORDER SEPERATELY

SYPM PLATE Mounting plate for multi-pole contactors. Maximum of four contactors can be mounted per SYPM PLATE.

Notes

¹ One or more relays from an SYPM 8R power module will be required to control the contactor coil(s).

PRODUCT INFORMATION

SYPM DALI

DALI Fluorescent Control Power Module



Intended Use
Used in conjunction with system enclosure and SYSC MLX controller to provide manual and automatic control of compatible devices on a DALI network. Combine with other Synergy system SYPM power modules to create a complete integrated lighting control solution.

System Features
Module includes network controllers and power supplies for three DALI networks (loops) of up to 64 devices each. Connected DALI devices may be configured via the Synergy system controller for status monitoring and prioritized control by any Synergy user interface, timeclock schedule or graphical workstation.

Listings
UL Listed to U.S. and Canadian safety standards.

ORDERING INFORMATION

Example: SYPM DALI

Series
SYPM DALI Network controller and power supply for three DALI loops ¹

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

SHIPPING WEIGHT

4 lbs. (1.8 kg)

Notes

¹ Requires SYE enclosure and SYSC MLS or MLX controller.

SYBP



Intended Use
Ideal for applications requiring circuit level remote control or lighting automation. Combines the powerful capabilities of the Synergy® lighting control system with the familiar footprint of a standard circuit breaker panel. This unique concept provides fully automated lighting control without the need to install both a relay panel and a branch circuit breaker panel. Also requires less wall space and will often provide a lower installed cost.

System Features

Scheduling: Using integral

astronomic clock capability, lighting can be fully automated to conform to a rotating seven-day schedule. Astronomic feature provides dusk/dawn operation, eliminating the need for photocells. Holiday schedule allows entry of up to 32 periods. Blink-warn feature can blink lights automatically prior to a scheduled off.

Overrides: Use Synergy digital remote wall stations or distributed controllers to provide manual control of any combination of breakers, and to override scheduled events. Each wallstation can

provide up to nine buttons with integral LED status indicators. A single four-wire cable is all that is required for connection of up to 60 digital wallstations or distributed controllers. Optional switch input card also allows the use of traditional low-voltage switches and other dry contact closure inputs.

Networking: SYBPC MLX panels can be networked together, and with other Synergy switching and dimming panels to form a building-wide integrated lighting control system. Networked systems offer the flexibility of

centralized control, monitoring and programming via a PC and the SYSW CONFIG MLX controller integrates with building automation systems via native BACnet® protocol.

Capacity: Up to 42 circuits with 100A, 225A or 400A bus. See branch circuit breaker selection table below. Compatible with non-controllable circuit breakers.

Listings

UL Listed to U.S. and Canadian safety standards.

Example: SYBP42 P2 225 ML B SS MLX PHONE

ORDERING INFORMATION		Series	Voltage	Maximum rating	Main feed options ²	Mounting
SYBP18	18-pole capacity ¹	P1	120V/208V	100 100A	ML Main lug	T Top feed
SYBP30	30-pole capacity ¹	P2	277V/480V	225 225A	MB100 100A main breaker	B Bottom feed
SYBP42	42-pole capacity ¹			400 400A	MB225 225A main breaker MB400 400A main breaker	

Door	Controller	Options
SS Standard surface	MLX Network system controller	DMX Interface for connection to DMX512 control ³
SF Standard flush	MLS Stand-alone system controller	PHONE Telephone interface ⁴
	SCP Secondary panel, less controller	LVIN Sixteen low-voltage switches and one analog input
		RS2324P Four-port RS-232 expansion card
		HFD Series-rated main breaker for use with GHB or GHBQRSP branch circuit breakers to achieve 65K AIC rating

ADDITIONAL INFORMATION

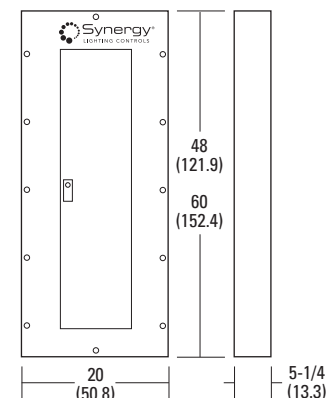
For additional product information, visit www.synergylightingcontrols.com.

BRANCH CIRCUIT BREAKERS			
ORDER SEPARATELY			
CONTROLLABLE BREAKERS		STANDARD BREAKERS (NON-CONTROLLABLE)	
SYBPB BABRS1020	120V, 20A, 1 POLE	SYBPB BAB1020	120V, 20A, 1 POLE
SYBPB BABRS1030	120V, 30A, 1 POLE	SYBPB BAB1030	120V, 30A, 1 POLE
SYBPB BABRS2020	120V, 20A, 2 POLE	SYBPB BAB2020	120V, 20A, 2 POLE
SYBPB BABRS2030	120V, 30A, 2 POLE	SYBPB BAB2030	120V, 30A, 2 POLE
SYBPB GHRSP1020	277V, 20A, 1 POLE	SYBPB GHB1020	277V, 20A, 1 POLE
SYBPB GHRSP2020	277V, 20A, 2 POLE	SYBPB GHB1030	277V, 30A, 1 POLE
SYBPB GHRSP1030	277V, 30A, 1 POLE	SYBPB GHB2020	277V, 20A, 2 POLE
SYBPB QRSP2030	277V, 30A, 2 POLE	SYBPB GHB2030	277V, 30A, 2 POLE

NOTE: Consult factory for additional standard (non-controllable) breaker sizes.

CONTROLLER COMPARISON		
SYSTEM FUNCTION	SYBPC MLS CONTROLLER	SYBPC MLX CONTROLLER
Controllable breaker capacity:	42126 total w/ secondary cabinets	42126 total w/ secondary cabinets
Dimmer capacity	60 total w/ secondary cabinets	60 total w/ secondary cabinets
DMX512 input	DMX channel-to-output configured via controller software	DMX channel-to-output configured via controller software
Scheduling	100 schedules/unlimited events	100 schedules/unlimited events
Analog input	1	1
PC support	Yes	Yes
Script logic	Yes	Yes
Logging	Yes	Yes
Priority logic	Yes	Yes
Network	No	Yes
Telephone override	Yes, optional	Yes, optional
BACnet®	No	Yes
RS232	Yes	Yes
Modem	Yes, optional	Yes, optional
Sequel stations	Yes	Yes
Digital remotes	Yes	Yes

Drawing shows typical wiring only. Refer to product documentation for specific wiring details.



Notes

- 1 Order branch circuit breakers separately. See branch circuit breakers table below.
- 2 Consult factory for additional main breaker selections and interrupt ratings.
- 3 For house lighting control only.
- 4 Not available with SCP controllers.

SYSC



Intended Use
Mounts in a Synergy® SYE enclosure. Provides user interface, display, clock and programmable logic for a Synergy lighting control system enclosure and a means to set up lighting control functions, including manual switching, manual and preset dimming, schedules, astronomical time control, photocell switching and daylighting.

System Features
Constructed as a plug-in chassis to enhance initial installation and service-ability. Used to set up and save operational features of the system. Provides support for external control devices:

SQCS Architectural Preset Control Station, SYRS Digital Remote Wallstation, SYRS EXT 0-10VDC Wallstation Distributed Controller, SYRS EXTDS Bi-level Distributed Controller and DEQ LC Distributed Controller.

User interface is designed for simple operation using the soft key format popular on automated teller machines. Large back-lit display provides text-based prompting and feedback for menu navigation as well as status, diagnostic information and alarms.

Astronomic feature built into Synergy's internal clock will calculate sunrise and sunset

times for use in lighting schedules. The controller also can read values from accessory photocells and provide automatic switching or dimming of lighting based on the ambient light level.

See the matrix below for additional features and capacities specific to the controller type selected.

SYSC BACGATE DMX: Adds the ability to monitor and override third-party lighting control equipment from a Synergy system. Typically used in retrofit applications to allow Synergy's state-of-the-art graphical interface software or scheduling

capabilities to be used with a previously installed system. The BACGATE can be used as an interface to Lutron Grafik 6000®, GE TLC®, and Lithonia or PCI SwitchKeeper® and WatchKeeper® families of systems. The DMX feature provides the ability to control two universes (1024 address) of DMX devices.

The SYSC BACGATE Network with SYSC MLX controllers, is a BACnet® compliant device, requires only one interface per system, requires and mounts into a dedicated SYES 120/277 enclosure and requires a factory-authorized start-up.

ORDERING INFORMATION

Example: SYSC MLX

Series	Controller ¹	Options
SYSC System controller for Synergy panels	MLS Stand-alone system controller ¹	ISA Three 16-bit ISA expansion slots ¹
SYSC BACGATE DMX Network gateway for third-party systems ³	MLX Network system controller ¹	PHONE Telephone interface for voice-prompted override and remote modem access (requires ISA option) ¹
		DMX Theatrical dimming interface, required for connection to DMX512 control signal ²
		LEGACY Allows control of one complete network (255 dimmers) of legacy MiniPac®, Sequel® and MaxStar® dimmer cabinets. Replaces master controller on existing systems. ¹
		RS2324P Four-port RS-232 expansion card ¹

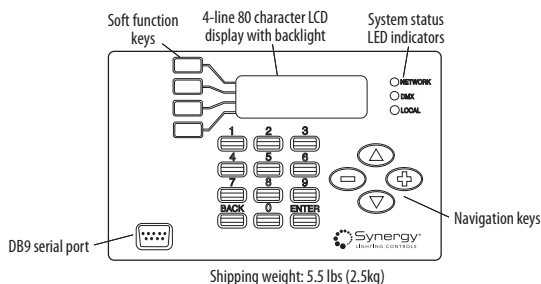
ADDITIONAL INFORMATION For additional product information, visit www.synergylightingcontrols.com.

FEATURES SELECTION MATRIX

SYSTEM FUNCTION	MLC CONTROLLER	MLX CONTROLLER
Relay Capacity (No breakers)	48	48 (96 total with secondary cabinet)
Relay Capacity (With breakers)	40	40 (80 total with secondary cabinet)
Dimmer Capacity	30	30 (60 total with secondary cabinet)
DMX512 Input	DMX channel-to-output configured via hardware settings	DMX channel-to-output configured via controller software
Scheduling	11 schedules, 99 events	100 schedules, unlimited events
Analog Inputs	Yes	Yes
PC Support	Yes	Yes
Script Logic	No	Yes
Logging	No	Yes
Priority Logic	No	Yes
Ethernet Network	No	Yes
ARCNET Network	No	Yes
Telephone Override	No	Yes, optional
BACnet®	No	Yes
RS232	Yes	Yes
Modem	Yes, optional	Yes, optional
Sequel® Stations	Yes	Yes
Legacy Dimmers	No	Yes, optional
Digital Remotes	Yes	Yes

ACCESSORIES

ACCESSORIES	ORDER SEPARATELY
SYA SKIT	Permits two SYE enclosures to operate with a single MLX or MLS controller.
SYSW CONFIG	Windows® configuration software and cable (page 759).
SYA CABLEA4	Class 2, four-conductor, plenum-rated network cable (page 761).
SYA CABLES2	Lithonia plenum-rated RS485 network cable (page 761).
SYA SKIT DMX	Provides DMX only operation of local Synergy loads. (No local MLX or MLS controller.)
SYA M1 ARC FST	Fiber optic hub to connect one EIA-485 twisted pair and one duplex fiber optic segment. MLX only.
SYA M1 ARC FST 2	Fiber optic hub to connect one EIA-485 twisted pair and two duplex fiber optic segments. MLX only.
SYA ETHERNET SWITCH 5 PORT	Network switch to connect up to (5) 10BASE-T/100 BASE-TX compliant Ethernet networks. MLX only.
SYA M1 ARC ARC	Network repeater required to create Synergy RS-485 ARCNET network over 2000 feet in length. MLX only.
SYA ROUTER	Native BACnet router to connect a Synergy RS485 ARCNET network to an Ethernet LAN. MLX only.
LSCC 2S12C P25 DMX	Two-scene, 12 channel DMX control console w/25 foot control cable.
LSCC 2S24C P25 DMX	Two-scene, 24 channel DMX control console w/25 foot control cable.
LSCC 2S36C P25 DMX	Two-scene, 36 channel DMX control console w/25 foot control cable.
LSCC PR DMX	Single gang, plug-in receptacle to connect to DMX network.



Notes

- 1 Not available on SYSC BACGATE.
- 2 DMX option standard on SYSC BACGATE.
- 3 Consult factory when ordering SYSC BACGATE for additional system requirements.

PRODUCT INFORMATION

Intended Use

Provide manual dimming and preset lighting control for architectural dimming applications. Offered in a variety of styles and architectural finishes suitable for virtually any application. May be daisy-chained together with SYRS digital remote wallstations and distributed controllers for multi-location control.

System Features

Functions: Master raise and lower buttons adjust the intensity of all lights dimmed from the station. Channel raise and lower buttons adjust the intensity level of individual channels. LED bar graph displays intensity level. Select button saves presets and fade time is adjustable for each preset scene. Preset button saves and activates presets. Off function turns

off all channels. Integral dry contact closure interface allows access to the 16 presets, master raise/lower, and off functions for A/V systems and auxiliary equipment.

Installation

4- and 8-channel stations mount in Lithonia #SQCS 5GB or RACO 699 five-gang back-box; 12- and 16-channel stations mount in Lithonia #SQCS 8GB backbox. Stations

connect to a Synergy® system controller (page 756) via the four-wire SYA cable A4 control station network cable (page 761) which can be shared by up to 60 SQCS, SYRS (page 758) and DEQLC devices per system controller.

Classification: Class 2 low-voltage device.

SQCS

Digital Networked Preset Master Control Station



Example: SQCS 6P 4C BJ4 TR

ORDERING INFORMATION

Series	Number of presets	Number channels	Finish	Wallplate
SQCS Sequel control station	6P 6 presets	4C 4 channels	BJ4 Brushed stainless steel, black buttons	SD Solid
		8C 8 channels	WC2 Painted white, white buttons ¹	TR Translucent
		12C 12 channels	IE3 Painted ivory, ivory buttons ¹	
		16C 16 channels	BL4 Painted black, black buttons ¹	
			BF4 Polished brass, black buttons ¹	

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

ACCESSORIES

ORDER SEPARATELY

SQCS 5GB	5-gang backbox for 4-channel and 8-channel stations
SQCS 8GB	8-gang backbox for 12-channel and 16-channel stations
SQRSI	Contact closure network device to connect SQRS buttons or A/V equipment
SYNERGY ENGRAVING SERVICES	Engraved buttons
SYA CABLEA4	Control station network wire
SQCS PE	Portable console for Sequel stations (PE8 or PE16)
SQCS RE	Recessed NEMA 1 enclosure for Sequel stations (RE8 or RE16)
SQCS PR	Receptacle to connect portable console to A4 network wire

DIMENSIONS

Dimensions are shown in inches (centimeters) or pounds (kilograms) unless otherwise noted.

SERIES	WIDTH	THICKNESS	HEIGHT	WEIGHT
SQCS 4C	10-1/8 (25.7)	1/4 (0.6)	4-5/8 (11.7)	2-1/2 (1.13)
SQCS 8C	10-1/8 (25.7)	1/4 (0.6)	4-5/8 (11.7)	2-1/2 (1.13)
SQCS 12C	15-1/2 (39.4)	1/4 (0.6)	4-5/8 (11.7)	4 (1.8)
SQCS 16C	15-1/2 (39.4)	1/4 (0.6)	4-5/8 (11.7)	4 (1.8)

Notes

¹ Additional delivery time and/or cost may apply.

PRODUCT INFORMATION

Intended Use

Activates control functions in conjunction with the Sequel MiniPac® dimming system or the Sequel IDC wallbox dimming system.

Installation

Installation: Mounts to a Synergy SYRS 1GR box or 2"-wide, single-gang switch box.

System Features

Operation: Functions include preset recall, channel raise/lower, master raise/lower and off.

Classification: Class 2 low-voltage device.

SQRS

Architectural Remote Station



Example: SQRS2S BJ4

ORDERING INFORMATION

Series/Number of buttons	Finish																
<table border="1"> <thead> <tr> <th>Series</th> <th>Number of buttons</th> </tr> </thead> <tbody> <tr> <td>SQRS 1S</td> <td>1 button</td> </tr> <tr> <td>2S</td> <td>2 buttons</td> </tr> <tr> <td>3S</td> <td>3 buttons</td> </tr> <tr> <td>4S</td> <td>4 buttons</td> </tr> <tr> <td>5S</td> <td>5 buttons</td> </tr> <tr> <td>6S</td> <td>6 buttons</td> </tr> <tr> <td>9S</td> <td>9 buttons</td> </tr> </tbody> </table>	Series	Number of buttons	SQRS 1S	1 button	2S	2 buttons	3S	3 buttons	4S	4 buttons	5S	5 buttons	6S	6 buttons	9S	9 buttons	BJ4 Brushed stainless steel, black buttons
	Series	Number of buttons															
	SQRS 1S	1 button															
	2S	2 buttons															
	3S	3 buttons															
	4S	4 buttons															
	5S	5 buttons															
6S	6 buttons																
9S	9 buttons																
	WC2 Painted white, white buttons ¹																
	IE3 Painted ivory, ivory buttons ¹																
	BL4 Painted black, black buttons ¹																
	BF4 Polished brass, black buttons ¹																

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

ACCESSORIES

ORDER SEPARATELY

SYRS 1GR	1-gang plaster ring
SYNERGY ENGRAVING SERVICES	Engraved buttons

DIMENSIONS

Dimensions are shown in inches (centimeters) or pounds (kilograms) unless otherwise noted.

SERIES	WIDTH	THICKNESS	HEIGHT	WEIGHT
SQRS	2-7/8 (7.3)	1/4 (0.6)	4-5/8 (11.7)	1/2 (0.2)

Notes

¹ Additional delivery time and/or cost may apply.

PRODUCT INFORMATION

SYRS

Digital Remote Station



Intended Use
A microprocessor-based digital wallstation which provides a convenient means to add pushbutton controls for on/off, preset, raise/lower, partition control or other user interface to a Synergy® lighting control system. Standard infrared receiver for operation and programming of station functions from an accessory SYWR HHP wireless hand-held remote programmer.

Use the EXT option to provide daylight harvesting. For networked distributed control, the SYRS can provide local on/off, manual dimming and automated daylight dimming control. It also allows step-dimming control of RT5™ or similar fluorescent fixtures equipped with step-dimming ballasts, fluorescent fixtures wired for inboard/outboard

switching or two independent lighting zones.

The SYRS 2G KEY contains a local override key switch, a maximum of nine buttons and a self-disabling keyswitch. This is ideal for applications requiring an SYRS installed in public areas such as atriums, hallways or secure areas. The SYRS 2G (without the KEY option) is available with 10, 12, 14, 16, 18 or 20 buttons.

Installation
The SYRS mounts in a standard one-gang deep backbox. Stations connect to a Synergy system controller via the four-wire SYA CABLEA4 control station network. Local switching of loads is provided by Sensor Switch Series power pack(s).

System Features
Standard stations are single-gang with screwless appearance and are available with one to nine buttons in a variety of painted and metallic finishes. The EXT option adds two 0-10V dimming outputs compatible with four-wire electronic dimming ballasts, two switched outputs, one 0-10V dimming photocell input and one occupancy sensor input. The photocell is calibrated at the SYRS station eliminating the need to climb a ladder for adjustments.

When connected to a Synergy system, all station buttons, inputs and outputs are fully programmable from a Synergy controller or software, and are fully accessible to BACnet® building automation systems (MLX controller only). This allows daylight harvesting and dimming to be easily

integrated into the building control system, time schedule, dimming preset or progressive load-shedding strategy.

SYRS electronics are fully enclosed in a molded housing for protection. SYRS button caps can be engraved with labels having up to two lines of text. Button caps are captive which ensures the caps will resist accidental removal. Stations include button caps with and without an integral LED indicator to suit a variety of applications.

If network communication with the Synergy controller is lost, the SYRS will enter default stand-alone mode to provide a basic level of room control.

Listings
Class 2 low-voltage device.

Example: SYRS 1G 9BT BJ4

ORDERING INFORMATION

Series	Number of gangs	Number of buttons	Finish	Options
SYRS	1G 1 gang	_BT (1 to 9)	14BT 14 buttons ¹	EXT External input/output. (2) 0-10V dimming outputs, (2) switched outputs, (1) 0-10V dimming photocell input and (1) occupancy sensor input. KEY Manually disable local override via key ³
	2G 2 gangs	10BT 10 buttons ¹	16BT 16 buttons ¹	
		12BT 12 buttons ¹	18BT 18 buttons ¹	
			BJ4 Brushed stainless steel	BL4 Painted black ²
			WC2 Painted white ²	BF4 Polished brass ²
			IE3 Painted ivory ²	

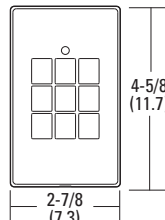
ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

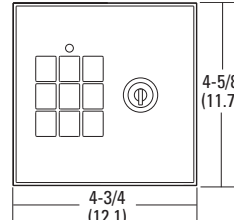
ACCESSORIES

ORDER SEPARATELY

SYRS 1GR	1-gang deep backbox
SYNERGY ENGRAVING SERVICES	Engraved buttons
SYA CABLEA4	Control station network wire
SYWR 6B	Six-button remote control
SYWR HHP	Remote hand-held programmer
LSA 1G CLC	Clear locking cover for 1-gang wallstation
LSA 1G CLC GASKET	NEMA 3R gasket for clear locking cover



SYRS 1G 9BT



SYRS 2G 9BT KEY

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

Notes

- 1 Not available on 1G versions.
- 2 Additional delivery time and/or cost may apply.
- 3 Only available with two gangs, and with one to nine buttons.

PRODUCT INFORMATION

SYWR

Wireless Programmer



Intended Use
Used for wireless remote control of lighting functions in a Synergy® system. Operates in conjunction with the infrared receiver on the SYRS digital remote wallstation (above).

The HHP version is useful in providing preset dimming control without the need for an SQCS control station.

System Features
The SYWR 6B six-button transmitter provides remote

activation of four presets, master raise/lower and master on/off. The SYWR HHP hand-held programmer permits the saving and activation of 12 lighting preset scenes, the manual control of

up to 12 dimming channels, master raise/lower and master on/off. Preset scenes configured and saved with the HHP may be recalled from buttons on the wallstation.

Example: SYWR HHP

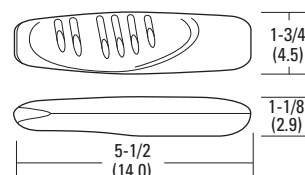
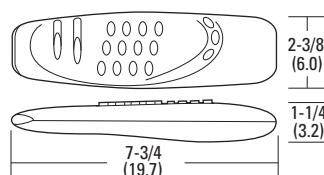
ORDERING INFORMATION

Series	Type
SYWR	6B 6-button remote transmitter
	HHP 12-button hand-held programmer

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

Intended Use

PC-based Windows® application used to configure a Synergy® system equipped with MLS or MLX controllers. Allows on-site or remote programming and configuration of all system parameters and schedules.

System Features

Utilizes a familiar Windows graphical user interface to provide easy access to all system data. A simple tab-based navigation scheme allows the user to reach most configuration screens with

a single click of the mouse.

Access privileges for different software features can be set up for multiple users through the use of administrator-defined login IDs and passwords.

Online mode allows real-time monitoring and override of input and load status as well as diagnostic functions.

Connection to the system may be made with the supplied RS-232 cable through the front-mounted DB-9 connector on any system controller, directly over the

BACnet® network via an Ethernet connection or to the Synergy RS485 Arcnet network (optional SYA NIC PCI network interface card in PC required) A connection may also be made from a remote site using standard telephone lines via the PHONE option on the controller and a PC equipped with a telephone modem.

Minimum hardware requirements are a 266MHz Pentium® II class PC running Windows 2000 or later operating system with 128 MB RAM, 30 MB

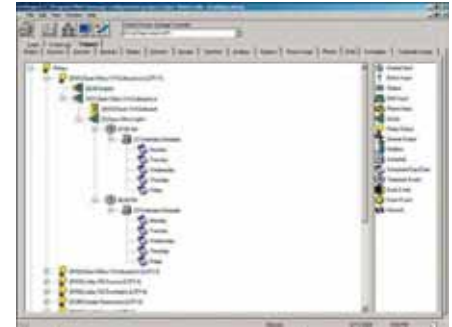
free disk space and 800 x 600 video resolution.

Other

Optional trending and usage software is available to provide the capability for facilities to log certain loads for trending analysis. Provides automatic recording and archiving. (Requires Ethernet or RS485 network connection to Synergy panels.)

SYSW CONFIG

System Configuration Software



Example: SYSW CONFIG

ORDERING INFORMATION

Series

SYSW CONFIG Synergy configuration software

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

ACCESSORIES

ORDER SEPARATELY

SYA DESKTOP	PC workstation suitable for system configuration or graphics. Contact factory for mounting and touch-screen options.
SYNERGY GRAPHICS SOFTWARE	Graphical user software.
SYNERGY GRAPHICS SCREENS	Factory-prepared SYNERGY GRAPHICS SOFTWARE screens per user specifications. Indicate quantity of screens required.
SYNERGY TREND USAGE SOFTWARE	Software to provide logging capability for selected loads for trending analysis. Provides automatic recording and archiving.

PRODUCT INFORMATION

Intended Use

Adds real-time control and monitoring capabilities to a Synergy® system through the use of a flexible graphical interface. Runs as a fully integrated component of the SYSW CONFIG software installed on a desktop, laptop or panel PC connected to the system via an RS-485, Ethernet or wireless network connection.

System Features

Provides intuitive and interactive point-and-click control of loads with status feedback and remote diagnostic capability. Simple setup and configuration options allow the creation of floor-plan-based, button-based or combination screens. Flexible control options allow graphical objects to directly monitor and override

all system inputs (switches, photocells, digital stations), outputs (relays, dimmers, controllable breakers, DALI devices) room partitions and load groups. Integrated scheduling module allows the creation of temporary, PC-based schedules for special events.

Over 32,000 screens may be configured and the number of

control objects per screen is limited only by screen resolution. Control screens may be user-configured in the field or ordered factory-prepared to client specifications via the SYNERGY GRAPHICS SCREENS accessory.

SYNERGY GRAPHICS SOFTWARE

Graphical User Interface



Example: SYNERGY GRAPHICS SOFTWARE

ORDERING INFORMATION

Series

SYNERGY GRAPHICS SOFTWARE Synergy graphical user interface

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

ACCESSORIES

ORDER SEPARATELY

SYNERGY GRAPHICS SCREENS	Factory-prepared SYNERGY GRAPHICS SCREENS per user specifications. Indicate quantity of screens required.
SYA DESKTOP	PC workstation suitable for system configuration or graphics. Contact factory for mounting and touch-screen options.

PRODUCT INFORMATION

SYA LCD

LCD Touch-Screen
Graphical User Interface



Intended Use
Used in conjunction with a Synergy® system equipped with SYSC MLX controllers to provide system-wide configuration, monitoring and override of lighting zones.

System Features
Full-color TFT touch-screen graphical interface may be configured with floorplan-based or button-based screens. Flexible control options allow graphical

objects to monitor and override any system input, output or load group as needed to satisfy project requirements. Screens may be field or factory configured.

Listings
UL Listed to U.S. and Canadian safety standards.

ORDERING INFORMATION

Example: SYA LCD SCREEN

Series

SYA LCD SCREEN Full-color touch-screen user interface (may be wall or panel mounted)^{1,2}

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

Notes

- 1 Available in various screen sizes and mounting options. Consult factory for information.
- 2 Requires rear access for wall mounting.

PRODUCT INFORMATION

SYA DESKTOP

PC Interface



Intended Use
The SYA DESKTOP provides the ability to program or override all features of Synergy® lighting control panels when used in conjunction with the Synergy SYSW

CONFIG software. Schedules and programs can be composed off-line and downloaded locally through the RS-232 port on Synergy controllers, remotely via an Ethernet LAN, Synergy Arcnet

network or through the use of an optional modem.

Installation
Synergy panel network, building LAN or BAS network connections are made via Ethernet or Arcnet network

(Arcnet connection requires optional SYA NIC PCI).

System Features
Available as desktop, laptop or tablet PC, with the latest processor speed and features.

ORDERING INFORMATION

Example: SYA DESKTOP

Series

SYA DESKTOP Desktop PC
SYA LAPTOP Laptop computer
SYA TABLET Tablet PC

Options¹

(blank) Standard 19" flat-panel LCD monitor
TOUCH SCREEN 19" touch-screen flat-panel monitor

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

ACCESSORIES

ORDER SEPERATELY

SYSW CONFIG	Synergy panel configuration software for personal computer
SYNERGY GRAPHICS SOFTWARE	Graphics software for personal computer
SYA ETHERNET SWITCH 5 PORT	Ethernet 5-port 10-base T-switch
SYA ROUTER	Native BACnet® router to connect a Synergy RS485 Arcnet network to an ethernet LAN
SYA NIC PCI	Arcnet interface card

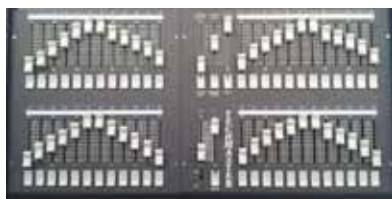
Notes

- 1 Only available on SYA DESKTOP.

PRODUCT INFORMATION

LSCC

DMX Control Console



Intended Use
Two-scene portable control console that offers simple, economical control for the Synergy® Series dimmer cabinet in applications such as small stages, churches

and presentation areas. Dual operation modes offer conventional two-scene preset or a "hold and fade" mode with a virtual second scene to double the effective number of control channels. Heavy-

duty construction will hold up in school applications, and operation is simple enough for untrained personnel.

System Features
Power-on LED dual

operation modes. Split dipless crossfaders. Grand master fader blackout switch DMX-512 output signal. Chase control module, 25' control cable included.

ORDERING INFORMATION

Example: LSCC 2S12C P25 DMX

Series

LSCC 2S12C Two-scene preset, 12 control channels
2S24C Two-scene preset, 24 control channels
2S36C Two-scene preset, 36 control channels

Cable

P25 DMX Low-voltage control cable, 25 ft. with connectors

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

ACCESSORIES

ORDER SEPERATELY

LSCC PR DMX	Single-gang plug-in receptacle
LSCC PRP DMX	Single-gang pass-through receptacle
SYA CABLES2	Digital network cable; specify 250, 500 or 1000 feet

PRODUCT INFORMATION

Intended Use

Plenum-rated network cable suitable for use with industrial EIA RS-485 networks.

SYA CABLES2: Fully compatible with Synergy® MLX and SwitchPak® system remote panel-to-panel networks.

SYA CABLEA4: Fully compatible for use with Synergy SQCS, SYRS and DEQ digital networks.

Installation

Cable must be used in conditioned space, either in plenum or pipe. Cable cannot be direct-buried or used between buildings.

System Features

Factory-approved network cables with matching conductor color coding consistent with all factory wiring diagrams and installation

instruction for trouble-free network installations.

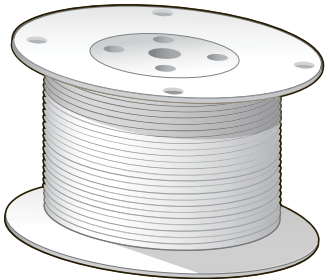
SYA CABLES2: For use with industrial EIA RS-485 networks.

SYA CABLEA4: Includes all required power and communication conductors. For use with industrial EIA RS-485 networks plus two #16 AWG conductors for 24V station power.

Listings

UL Listed, NEC type CL2P, rated for 75° C/300V.

SYA CABLE
Digital Network Cable



Example: SYA CABLES2 1000FT

ORDERING INFORMATION

Series	Cable	Length
SYA	CABLES2 ¹	1000FT 1000 feet
	CABLEA4 ¹	500FT 500 feet
		250FT 250 feet

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

Notes

¹ Cable must be used in conditioned space, either in plenum or pipe. Cable cannot be direct-buried or used between buildings. For installation between building, use fiber optic cable and Synergy SYA M1 ARCFST or SYA M1 ARCFST2 fiber optic hub.

PRODUCT INFORMATION

Intended Use

The LSA-EB transfer equipment is used to transfer lighting loads from a dimmed or switched normal power source to an alternate power source upon failure of the normal source. The lighting load is returned to its pre-outage level after restoration of the normal source.

Installation

Automatic transfer switch assures continuous power for emergency systems.

30-amp contacts rated for switching one load between two sources.

20 times in-rush current rating.

NEMA 1 enclosure.

Neutral switching standard.

70% dropout, 90% pickup.

Three-phase sense standard.

Mechanically held in normal and emergency position.

Listings

UL 1008 Listed.

LSA EB
Emergency Transfer Switch



Example: LSA EB 4POLE 120 ATS

ORDERING INFORMATION

Series	Maximum number of poles	Voltage	Options
LSA EB Transfer switch ¹	2POLE	120	ATS Automatic transfer switch UL1008 listed
	4POLE	277	
	6POLE		
	12POLE		
	24POLE ²		

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

Notes

¹ The coil of the transfer switch must be fed with a constant output circuit breaker in the dimmer cabinet or main ATS of the building.
² 120V version only.

PRODUCT INFORMATION

Low-Voltage Override Switch

LVPS

Two-Button Decorator Style Override Switch



Intended Use
The LVPS low-voltage override switch provides a durable and attractive solution to override lights controlled by Synergy® lighting control systems. The LVPS is a Decorator style switch and uses standard Decorator wallplates for single- or multi-gang applications. A

pilot light is provided for each switch so it can be used as one switch for ON (top push button) and one switch for OFF (bottom push button). Or it can control two separate lighting zones with each respective switch toggling a zone ON and OFF. A terminal block is provided for all low-voltage connections,

eliminating the need for traditional spade-type connectors or wire nuts.

ORDERING INFORMATION

Example: LVPS 2BT WH

Series ¹	Number of buttons	Finish
LVPS	2BT Two buttons	WH White IV Ivory

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

Notes

¹ Uses standard Decorator wallplates.

PRODUCT INFORMATION

Low-Voltage Override Switch

LVKS

Decorator Style Locking Switch



Intended Use
LVKS switches are a durable and attractive solution for providing a secure means to override lighting. The user must have the LVKS key (provided) to override lights. Switches are supplied with pigtail connectors for low-voltage wire connections.

System Features
Use with Synergy® or Switch-Pak® lighting control panels. The LVKS can be used with the LVPS or other Decorator style devices in a multi-gang Decorator wallplate.

ORDERING INFORMATION

Example: LVKS SPDT WH

Series	Options	Finish
LVKS Low-voltage key switch	HOA 3-position maintained for hand-off-auto operation SPDT MOM 3-position momentary, center off SPDT 2-position maintained	WH White IV Ivory

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

ACCESSORIES

ORDER SEPARATELY

Uses standard Decorator wallplates

DSA FP D_ (# of gangs) Decora wallplate

Intended Use
LVDS momentary switches and DSA wallplates provide a durable and attractive low-voltage switch solution with a standard strap-mount form factor and designer styling. Switches may be ganged with other Decora style devices. DSA wallplates are offered in a variety of

sizes and finishes. Use with Synergy® or SwitchPak® lighting control panels.

LVDS

Momentary Decora® Switch



Example: LVDS WH

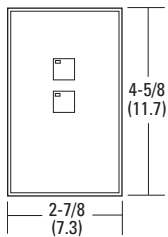
ORDERING INFORMATION

Series	Finish
LVDS	WH White IV Ivory GY Gray ¹

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- Additional delivery time and/or cost may be associated with these premium colors.

PRODUCT INFORMATION

Intended Use
The LVRS low-voltage remote station is ideal when one to nine buttons are required in a compact location. Buttons may be programmed at a SwitchPak® panel for override control of individual or multiple relays.

System Features
Stations are single-gang, screwless appearance and are available with one to nine buttons in a variety of painted and metallic finishes. Optional LED pilot lights provide positive feedback of button status. Button caps can be engraved with labels having up to two lines of text.

Installation: Wallstation mounts in a grounded Lithonia #SYRS 1GR or Steel City #52C13 plaster ring. Stations connect to SwitchPak panel switch inputs with #14 - #18 AWG low-voltage Class 2 conductors.

LVRS

Architectural Remote Station



Example: LVRS 1G 2SW BJ4 PL

ORDERING INFORMATION

Series	Number of gangs	Number of buttons	Finish ¹	Options
LVRS	1G One gang	_SW 1 to 9 ²	BJ4 Brushed stainless steel, black buttons WC2 Painted white, white buttons IE3 Painted ivory, ivory buttons	PL 24V pilot indicators

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

ACCESSORIES	
ORDER SEPARATELY	
SYRS 1GR	Plaster ring, mounts to grounded 4" box (by others)
SYNERGY ENGRAVING SERVICES	Engraved buttons

Notes

- Other finishes available; contact your local Lithonia Lighting representative or the Lithonia Lighting factory for more information.
- Eight-button maximum when used with SPAK.

PRODUCT INFORMATION

Decora Style Wallbox Dimmers

DSD

Mark 10™ Wallbox Dimmer



Intended Use
DSD Series dimmers provide smooth full-range dimming of fluorescent fixtures equipped with the Advance® Mark 10 dimming ballast. Dimmers have a strap-mount design and may be used individually or ganged together for multiple-load

applications. These dimmers are ideally suited for use with Lithonia fixtures with the ADEZ dimming ballast option.

Installation
All dimmers mount in standard single-gang switch box and can be ganged together using multi-gang wallplates (see below).

System Features
Operation: Linear slide dimming with separate rocker switch for preset or three-way on/off operation and single-location dimming.

Compatibility: Two-wire dimming ballasts.

Listings
UL Listed. CSA Certified. NOM Certified.

ORDERING INFORMATION

Example: DSD 500 ADEZ 277 IV

Series	VA rating	Ballast	Voltage	Finish
DSD	500 500 VA	ADEZ Advance Mark 10 fluorescent	120 277	IV Ivory ¹ WH White ¹

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

120V CAPACITIES AND DERATING

ADVANCE MARK 10 CATALOG NUMBER	LAMP TYPE	MAXIMUM NO. BALLAST/DIMMER	
		ONE-GANG	MULTI-GANG
REZ-1T32	CFM32W	13	10
REZ-1T42	CFM42W	10	8
REZ-1Q18	CFQ18W	23	18
REZ-2Q18	CFQ18W	11	9
REZ-2Q26	CFQ26W	8	6
REZ-2T42	CFTR42W	5	4
REZ-132	F32T8	13	11
REZ-2S32	F32T8	6	5
REZ-3S32	F32T8	4	3
REZ-154	F54T5/HO	7	6
REZ-2S54	F54T5/HO	3	3
REZ-1TTS40	FT40W	12	9
REZ-2TTS40	FT40W	6	4

277V CAPACITIES AND DERATING

ADVANCE MARK 10 CATALOG NUMBER	LAMP TYPE	MAXIMUM NO. BALLAST/DIMMER	
		ONE-GANG OR MULTI-GANG	
VEZ-2Q26	CFM26W	8	
VEZ-1T32	CFM32W	12	
VEZ-1T42	CFM42W	10	
VEZ-1Q18	CFQ18W	22	
VEZ-2Q18	CFQ18W	11	
VEZ-132	F32T8	13	
VEZ-2S32	F32T8	6	
VEZ-3S32	F3T8	4	
VEZ-154	F54T5/HO	7	
VEZ-2S54	F54T5/HO	4	
VEZ-1TTS40	FT40W	12	
VEZ-2TTS40	FT40W	6	

Notes

- Includes standard Leviton Decora® wallplate. Order screwless or multi-gang DSA wallplates separately below. For higher capacity, use either ISD ADEZ or DSD with RDM remote dimmer. For the latest in dimming capability information, please check the fluorescent dimming guide on www.synergylightingcontrols.com.

PRODUCT INFORMATION

Decora Style Wallbox Dimmers

DSA FP

Decora® Style Faceplate



Intended Use
Provides an architecturally styled finish treatment for DSD, ISD, LVDS and LIRW Series products. Wallplates are available for individual devices and multi-gang

applications with up to six devices.

Installation
Wallplates are screwless and utilize an adapter strap which permits mounting

to the device without exposed fasteners.

System Features
Low-profile wallplates are compatible with DSD, ISD, LVDS and LIRW Series

products and other Decora style devices.

ORDERING INFORMATION

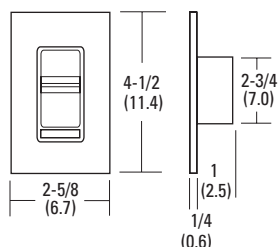
Example: DSA FP D1 WH

Series	Openings ¹	Finish
DSA FP	D1 One opening D2 Two openings D3 Three openings D4 Four openings D5 Five openings D6 Six openings	WH White IV Ivory AL Almond ² GY Gray ² BK Black ² BR Brown ²

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- One gang per opening is required.
- Additional delivery time and/or cost may be associated with these premium colors.

PRODUCT INFORMATION

Intended Use

The ISD Series wallbox dimmers are designed to provide smooth full-range dimming for a variety of loads. Products are available for incandescent, low-voltage, electronic low-voltage, and fluorescent two-wire and four-wire load types. The ISD dimmers can be used in place of a standard wall switch to provide on/off and dimming lighting control.

Installation

All dimmers mount in standard single-gang switch box and can be ganged together using multi-gang wall plates (see page 764).

System Features

Fluid slide movement allows fine adjustment of light level over the entire dimming range. Separate on/off switch permits switching of lighting at a preset level.

An integral LED indicator on illuminated dimmers turns on when the switch is off to facilitate switch location in a dark room. Can be used with standard three-way or four-way switch for multi-location switching. ISD Series dimmers are compatible with Decora® Series wall plates. Single location, linear slide dimming with separate push on/off switch for preset three-way and four-way

switching. Available standard in white and ivory and supplied with a matching single-gang Decora style wall plate. Snap-on Decora style wallplate color change kits available (gray, black, brown, almond, white and ivory).

Listings

UL Listed. CSA Certified. NOM Certified.

ISD
Architectural Wallbox Dimmers



Example: ISD 600 LV 120 WH

ORDERING INFORMATION

Series

Incandescent (supplied with white or ivory faceplates)

ISD 600 I 120 WH/IV Illuminated slide dimmer; 600W, 120V, 60Hz
ISD 1000 I 120 WH/IV Illuminated slide dimmer; 1000W, 120V, 60Hz

Magnetic low-voltage (supplied with white or ivory faceplates)

ISD 600 LV 120 WH/IV Illuminated slide dimmer; 600VA, 120V, 60Hz
ISD 1000 LV 120 WH/IV Illuminated slide dimmer; 1000VA, 120V, 60Hz

Electronic low-voltage (supplied with white or ivory faceplates)

ISD 400 ELV 120 WH/IV Illuminated slide dimmer; 400VA, 120V, 60Hz
Fluorescent Mark 10™ (supplied with white or ivory faceplates)

ISD 600 ADEZ 120 WH/IV Slide dimmer; 600VA, 120V, 60Hz
ISD 1000 ADEZ 120 WH/IV Slide dimmer; 1000VA, 120V, 60Hz
ISD 1200 ADEZ 277 WH/IV Slide dimmer; 1200VA, 277V, 60Hz

Fluorescent four-wire (supplied with white or ivory faceplates)

ISD BC 120/277 WH/IV Ballast controller; 120/277V

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

ACCESSORIES

ORDER SEPARATELY

ISD CCKIT	Color change kit, specify WH (white), IV (ivory), GY (gray), BR (brown), BK (black) or AL (almond).
DSA FP D	Low-profile thermoplastic wallplate for ISD or Leviton Decora® compatible devices (page 764).
RDM	Remote dimmer module

MAXIMUM LOAD/DIMMER

ISD I / ISD LV / ISD ELV

CATALOG NUMBER	ONE GANG	TWO GANGS	MORE THAN TWO GANGS
ISD 1000 I 120	1000W	800W	700W
ISD 600 I 120	600W	500W	400W
ISD 1000 LV 120	1000VA	800VA	700VA
ISD 600 LV 120	600VA	500VA	400VA
ISD 400 ELV 120	400VA	350VA	250VA

MAXIMUM NUMBER OF BALLASTS/DIMMER

ISD 1200 ADEZ 277 (277V ADVANCE MARK 10)

BALLAST CATALOG NUMBER	LAMP TYPE	ONE GANG	TWO GANGS	MORE THAN TWO GANGS
VEZ-2Q26	CFM26W	20	20	20
VEZ-1T32	CFM32W	30	30	30
VEZ-1T42	CFM42W	24	24	24
VEZ-1Q18	CFQ18W	54	54	54
VEZ-2Q18	CFQ18W	27	27	27
VEZ-2T42	CFTR42W	12	12	12
VEZ-132	F32T8	33	33	33
VEZ-2S32	F32T8	16	16	16
VEZ-3S32	F32T8	11	11	11
VEZ-154	F54T5/HO	18	18	18
VEZ-2S54	F54T5/HO	9	9	9
VEZ-1TTS40	FT40W	28	28	28
VEZ-2TTS40	FT40W	14	14	14

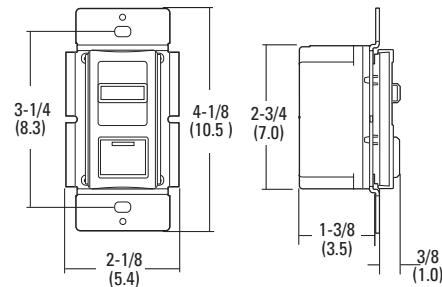
MAXIMUM NUMBER OF BALLASTS/DIMMER

ISD 600 ADEZ 120 (120V ADVANCE MARK 10)

ISD 1000 ADEZ 120 (120V ADVANCE MARK 10)

BALLAST CATALOG NUMBER	LAMP TYPE	ISD 600 ADEZ 120 (120V ADVANCE MARK 10)			ISD 1000 ADEZ 120 (120V ADVANCE MARK 10)		
		ONE GANG	TWO GANGS	MORE THAN TWO GANGS	ONE GANG	TWO GANGS	MORE THAN TWO GANGS
REZ-1T32	CFM32W	15	13	10	26	20	18
REZ-1T42	CFM42W	12	10	8	20	16	14
REZ-1Q18	CFQ18W	27	23	18	46	37	32
REZ-2Q18	CFQ18W	13	11	9	23	18	16
REZ-2Q26	CFQ26W	10	8	6	17	13	12
REZ-2T42	CFTR42W	6	5	4	10	8	7
REZ-132	F32T8	16	13	11	27	22	19
REZ-2S32	F32T8	8	6	5	13	11	9
REZ-3S32	F32T8	5	4	3	9	7	6
REZ-154	F54T5/HO	9	7	6	15	12	11
REZ-2S54	F54T5/HO	4	3	3	7	6	5
REZ-1TTS40	FT40W	14	12	9	24	19	17
REZ-2TTS40	FT40W	7	6	4	12	9	8

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

For the latest in dimming compatibility information, please check the fluorescent dimming guide on www.synergylightingcontrols.com.

SQMPDC

MiniPac® Remote High Power Dimmer Pack



Intended Use

Use with SQMPCS digital control station to form a small, compact, stand-alone dimming system. Use with SQIDC 8-channel wall box dimmer to control loads on channels 5-8. Use as a remote dimmer pack for a Synergy® system (Legacy option on SYSC controller required).

Electrical

All dimmers in a single pack must be fed from the same phase. There is no phase relationship between each dimmer pack or to SQMPCS,

SQIDC or Synergy panels. Connects to SQMPCS control station via SYA CABLEA4 control station wire. Connects to Synergy cabinets or SQIDC via SYA CABLES2 network wire.

Installation

NEMA 1 enclosure is suitable for surface or flush wall mounting. Dimmers are fed from individual 15A or 20A branch circuits.

System Features

When used with SQMPCS: Forms compact dimming system for offices, conference

rooms, etc. Up to three dimmer packs may be used per SQMPCS control station.

When used with SQIDC: An integral switch matrix allows dimmers to be flexibly assigned to SQIDC station channels. Up to four dimmer packs may be used per SQIDC control station.

When used with Synergy: MLX controller with Legacy option required. Up to 64 dimmer packs may be connected to each controller. Dimmers are fully configurable from

system controller and may be controlled by any Synergy user interface or schedule.

High-quality architectural-grade filters minimize lamp noise. Dimmers are cooled through natural convection flow provided by front cover venting and are available with or without positive air gap on/off relays.

Listings

UL Listed to U.S. and Canadian safety standards.

ORDERING INFORMATION

Example: SQMPDC 4UX2 S2 120

Series	Number of dimmers/Dimmer type/Capacity per dimmer			Type	Voltage	Options
SQMPDC	Number of dimmers	Dimmer type	Capacity per dimmer	S2 Secondary pack	120 120V (single phase)	EM For essential lighting loads, UX type modules only. All dimmers automatically set to full on upon loss of normal power. Transfer of input feed by others.
	2 2 dimmers	UX Universal incandescent; two wire fluorescent	2 2000VA, 120V	M2 Master pack	277 277V (single phase)	
	4 4 dimmers	UF Universal incandescent; and two, three and four-wire fluorescent; non-dim	4 4000VA, 277V			

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

ACCESSORIES

ORDER SEPARATELY

SQMPDC RE DOOR KIT	Recessed door kit for SQMPDC dimmer cabinets
SYA CABLEA4	Digital control station network wire for SQMPCS; specify 250, 500 or 1000 feet
SYA CABLES2	Digital panel network wire for SQIDC and Synergy panel network w/Legacy option; specify 250, 500 or 1000 feet

PRODUCT INFORMATION

SQMPCS

MiniPac® Control Station



Intended Use

Sequel® MiniPac Control Stations provide manual and preset dimming control of Sequel MiniPac modular dimmers (SQMPDC) in architectural dimming applications. These stations are offered in a variety of styles and architectural finishes suitable for virtually any application. Control stations may be used with matching remote sta-

tions or wireless remotes, or they can be interfaced with external systems.

Installation

4- and 8-channel stations mount in #SQCS 5GB or RACO 699 five-gang backbox. The SQMPCS station connects to the SQMPDC dimmer pack via the four-wire SYA cable A4 control station network cable.

System Features

Functions: Master raise and lower buttons adjust the intensity of all lights dimmed from the station. Channel raise and lower buttons adjust the intensity level of individual channels. LED bar graph displays intensity level. Select button saves presets and fade time is adjustable for each preset scene. Preset

button saves and activates presets. Off function turns off all channels.

Integral dry contact closure interface allows access to presets, master raise/lower, and off functions for A/V systems and auxiliary equipment.

Classification: Class 2 low-voltage device.

ORDERING INFORMATION

Example: SQMPCS 6P 4C BJ4 TR

Series	Number of presets	Channels	Finish	Wallplate
SQMPCS Sequel MiniPac Control Station	6P 6 presets	4C 4 channels	BJ4 Brushed stainless steel, black buttons	SD Solid
		8C 8 channels	WC2 Painted white, white buttons ¹	TR Translucent
			IE3 Painted ivory, ivory buttons ¹	
			BL4 Painted black, black buttons ¹	
			BF4 Polished brass, black buttons ¹	

ADDITIONAL INFORMATION

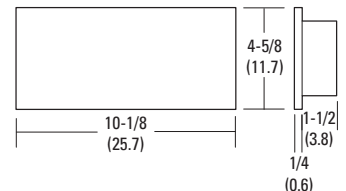
For additional product information, visit www.synergylightingcontrols.com.

ACCESSORIES

ORDER SEPARATELY

SQMPDC	Sequel MiniPac dimmer cabinet
SQCS 5GB	5-gang backbox for 4-channel and 8-channel stations
SQRS	Remote station; specify 2, 4, 5, 6 or 9 buttons
SYNERGY ENGRAVING SERVICES	Engraved buttons
SYA CABLEA4	Control station network wire
SQCS PE	Portable console for Sequel® stations
SQCS RE	Recessed NEMA 1 enclosure for Sequel stations
SQCS PR	Receptacle to connect portable console to A4 network wire

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

¹ Additional delivery time and/or cost may apply.

PRODUCT INFORMATION

Intended Use

Provides manual and preset dimming of most lamp types in wallbox applications. Offered in a variety of styles and architectural finishes. May be used singly with matching remote stations or interfaced with external systems.

System Features

Master raise and lower buttons adjust intensity of all lights dimmed from station.

Channel raise and lower buttons adjust intensity level of individual channels. LED bar graph displays intensity level. Select button saves presets. Fade time is adjustable for each preset scene. Preset button saves and activates presets. Off function turns off all lighting. Low-end and high-end dimming limits and dimmer curves are adjustable per channel.

Installation

Requires SQCS 5GB or RACO 699 five-gang backbox, 3-1/2" deep. Terminals on rear of station allow access from SQRS remote stations or momentary dry contact closures to six presets, master raise/lower, channel raise/lower, select and off.

Overall maximum capacity is 2000VA. Maximum capacity per output (1-4) is 800VA

incandescent, magnetic low-voltage and magnetic ballast, and 600VA electronic two- and three-wire fluorescent ballasts.

Listings

UL Listed to U.S. and Canadian safety standards.

SQIDC

Integrated Wallbox Preset Dimmer



Example: SQIDC 2000 6P 4C BJ4 TR 120

ORDERING INFORMATION

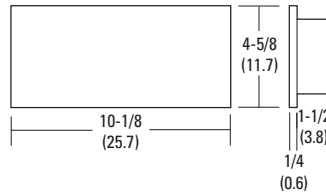
Series	VA rating	Number of presets	Number of channels	Finish	Wallplate	Voltage
SQIDC	2000 2000 watts	6P 6 presets	4C 4 channels 8C 8 channels ¹	BJ4 Brushed stainless steel, black frame and buttons	SD Solid TR Translucent	120
				WC2 Painted white, white frame and buttons ²		
				IE3 Painted ivory, ivory frame and buttons ²		
				BL4 Painted black, black frame and buttons ²		
				BF4 Polished brass, black frame and buttons ²		

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

ACCESSORIES	
ORDER SEPARATELY	
SQMPDC	Sequel® MiniPac® dimmer cabinet (for loads on channels 5-8)
SQCS 5GB	5-gang backbox for SQIDC stations
SYNERGY ENGRAVING SERVICES	Engraved buttons
SQRS	Remote station; specify 2, 4, 5, 6 or 9 buttons

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

- 1 8-channel unit requires Sequel MiniPac dimmer cabinet (page 766) for control of loads on channels 5-8.
- 2 Additional delivery time and/or cost may apply.

PRODUCT INFORMATION

Remote Dimmer Module

Intended Use

Used to boost the capacity of an ISD (page 765), DSD (page 764), or SQIDC (page 767) Series wallbox dimmer. Also allows an ISD Series dimmer to control three-wire fluorescent dimming ballasts and SQIDC dimmers to

control four-wire fluorescent dimming ballasts.

Installation

RDMI and RDMF may be surface- or flush-mounted using a 2-gang box (at least 3-1/2" deep) and 2-gang raised cover. The RDMBC may

be surface- or flush-mounted using a 4" square outlet box.

System Features

Available for a wide variety of dimming load types. Models for use with line-voltage loads include an integral RFI filter. All models are phase

independent of the control device and equipped with a low-end trim adjustment.

Listings

UL Listed. CSA Certified. NOM Certified.

RDM

Remote Dimmer



Example: RDMI 2000 120

ORDERING INFORMATION

Series	
RDMI 2000 120	1920 W/VA, 120V, 50/60Hz for incandescent, magnetic low-voltage, neon and cold-cathode
RDMF 2000 120	1920 VA, 120V, 50/60Hz for Advance® Mark 10™ and Lutron® Hi-Lume®, Tu-Wire® and ECO-10™ fluorescent
RDMF 3000 277	3000 VA, 277V, 50/60Hz for Advance Mark 10 and Lutron Hi-Lume, Tu-Wire and ECO-10 fluorescent
RDMBC 120/277	1920 VA at 120V; 4400VA at 277V; 50/60Hz for 0-10VDC fluorescent ballasts only. Mounts to a grounded 4" outlet box.

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

LOAD TYPE	LOAD VOLTAGE	CONTROLLER	RDM
Incandescent, magnetic low-voltage, neon	120V	SQIDC or ISD 600 I 120	RDMI 2000 120
Advance, Mark 10, Lutron Tu-Wire	120V	SQIDC, ISD 600 ADEZ 120 or DSD 500 ADEZ 120	RDMF 2000 120
Advance, Mark 10, Lutron Tu-Wire	277V	SQIDC, ISD 600 ADEZ 120 or DSD 500 ADEZ 120	RDMF 3000 277
Lutron Hi-Lume/ECO-10	120V	SQIDC or ISD 600 I 120	RDMF 2000 120
Lutron Hi-Lume/ECO-10	277V	SQIDC or ISD 600 I 120	RDMF 3000 277
0-10VDC Fluorescent	120V or 277V	SQIDC or ISD 600 I 120	RDMBC 120/277

SPAK

Eight-Relay Panel



Intended Use

A compact and economical lighting control panel that offers simplified solutions for a broad range of lighting control applications. This time-based controller switches lighting on/off at preset times while managing a variety of low-voltage inputs. Relays are rated to directly switch 20A lighting loads, eliminating the need for external contactors or relays.

Construction

Housing: NEMA 1 enclosure wall-mount with hinged locking cover. Separate line- and low-voltage compartments.

System Features

Simple set-up and operation: Programming is quick and easy using the large LCD display with associated soft keys and automatic ReadyHelp™ on-screen help guide. Unique quick-assign keys provide one-touch program selections and instant override.

Scheduling: Individual daily schedules automatically repeat for seven-day lighting load operations. Holiday schedule accommodates 32 dates. Astronomic and automatic Daylight Savings Time operation.

Warn-before-off feature flashes lights prior to turning off.

Overrides: Eight low-voltage switch inputs can be programmed to provide manual control of any combination of relays or override one to eight zones of scheduled lighting. Analog photocell input does not require remote calibration.

System Remote Operation: A single SwitchPak® provides a complete lighting control solution and can be used to control operation of additional units. This powerful standard feature expands the capability of SwitchPak to a system level without adding the complexity often associated with networked systems.

Building Automation: Adding the BAS option enables native BACnet® communication for applications interfacing with building automation systems. SPAK native BACnet provides communication directly to BAS systems without BACnet gateways or converters, using the on-board RJ-45 ports.

Capacity: Eight single-pole, 20A rated relays for 120/277 dual voltage. Optional configurations available for either two or four 600V two-pole relays.

Listings

UL Listed to U.S. and Canadian safety standards.

ORDERING INFORMATION

Example: SPAK 8S 120/277

Series	Relays/poles	Voltage	Building automation
SPAK	8S Eight single-pole, 20A relays 4S2D Four single-pole, 20A relays and two double-pole, 30A relays	120/277 120/277 dual voltage	BAS Native BACnet ready ¹

ADDITIONAL INFORMATION

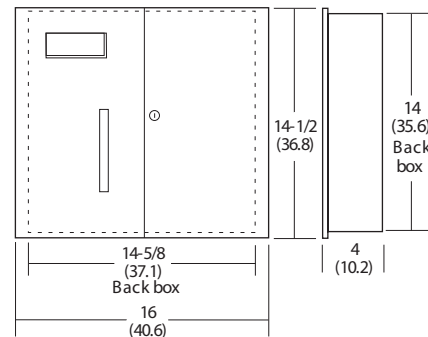
For additional product information, visit www.synergylightingcontrols.com.

ACCESSORIES

ORDER SEPARATELY

LSA APS OL	Analog photocell (outdoor mounting)
LSA APS S	Analog photocell (skylight mounting)
LVRS	Override switch; 1-9 buttons
LVPS	Override switch; 2 buttons
LVKS	Locking override keyswitch
SPAK HVB	High-voltage barrier kit to divide the high-voltage compartment into two sections
SSPL	Sweepswitch: line-voltage override switch
SPAK 4S/2D CONVERSION KIT	Two double-pole, 30A relay conversion kit; replaces one 4S relay card

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



Notes

¹ System remote operation not available when using BAS option.

Intended Use

Provides individual local line-voltage override control of lighting in time-based control schemes. Can be used manually to turn lighting on and off in the normal manner. Resets itself automatically to the off position in response to a programmed power interruption signal provided by the lighting control panel.

Works like a standard wall switch for on/off operation.

Automatically resets to off when power is removed for approximately five seconds. Switch handle is lighted for easy location in the dark.

Wires to a 120V or 277V circuit switched by a Synergy® or SwitchPak® relay panel like a standard toggle switch; is not line/load sensitive and does not require a neutral connection.

Installation

Strap-mount device; mounts in a standard single-gang switch box and uses a standard toggle opening wall plate (not included).

Listings

UL Listed. CSA Certified.

SSPL
SweepSwitch®



Example: SSPL 05 277

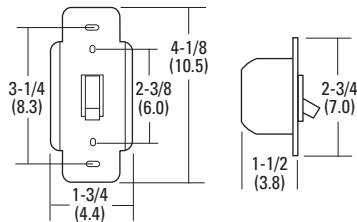
ORDERING INFORMATION

Series	Type	Voltage
SSPL	05 0.1 to 5.0 amps	277 120V or 277V (dual voltage)
	20 1.0 to 20 amps	

ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

Emergency Overrides

Intended Use

The RRU provides an interface between a line-voltage normal power-sense circuit and the low-voltage override input on Synergy® SYPM power modules. All connected SYPM power modules will be overridden to full ON if normal power falls below 90% of nominal voltage.

System Features

Works in conjunction with Synergy SYPM power modules. One RRU is required for each Synergy cabinet to be overridden ON during power failure.

Available to sense either 120V or 277V normal power.

90% nominal input voltage drop out.

SPDT low-voltage dry contact outputs rated for 5 amps.

Listings

UL Listed.

RRU
SPDT Normal Power-Sense Relay



Example: RRU SPDT 120

ORDERING INFORMATION

Series	Voltage
RRU SPDT Power relay	120 120V
	277 277V

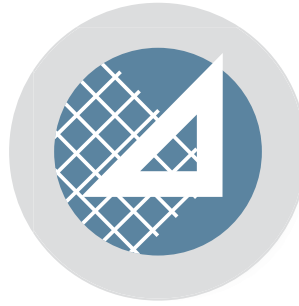
ADDITIONAL INFORMATION

For additional product information, visit www.synergylightingcontrols.com.

Simply Smarter

SIMPLY5™ lighting intelligence* is built on the premise that controls should be simple for everyone, from the specifier to the contractor to the occupant. It represents an innovative departure from the traditional piecemeal approach to lighting energy management.

With conventional systems, designers and installers are faced with trying to meet codes using a wide variety of lighting fixtures, relay panels, dimming systems, occupancy and daylight sensors. The SIMPLY5 approach is different, adding intelligence to highly efficient lighting fixtures and controls components to optimize them for energy management. Because all devices are intelligent, SIMPLY5 automates many setup, calibration and programming tasks which must be performed manually on other systems.



SIMPLE TO DESIGN & SPECIFY

- Meets automated control requirements for ASHRAE, IECC, Title 24 and EPAAct
- No relay or dimmer cabinet schedules to complete
- Lays out similarly to ordinary line voltage manual switching
- No occupancy sensor layouts required



SIMPLE TO INSTALL

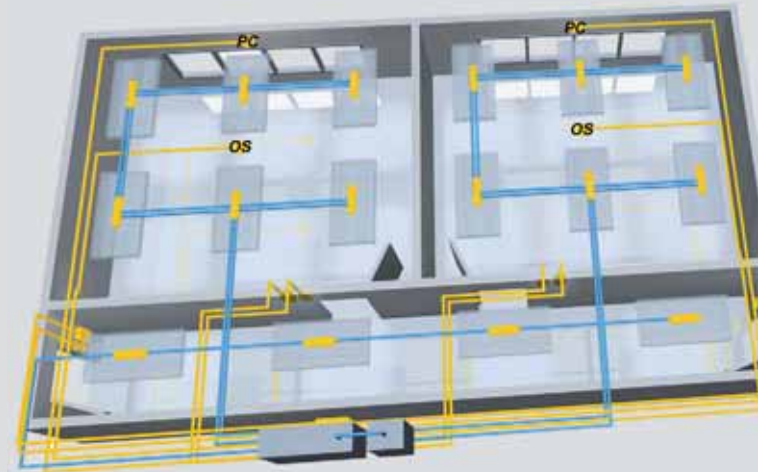
- Fast and error-free plug-and-play connections
- No complex Class 2 wiring required
- No large control cabinets to install or panel schedules to update
- Commissioning is not required to meet code: just set the time and date
- No special communication cables required



SIMPLE TO USE

- Intuitive interface allows occupants to easily adjust the light level for the task at hand; as low as 3% for AV presentations
- Seven specific dimming levels available; 85 levels available for load shedding
- Automatically adapts to occupant schedule changes

* Patent pending



Simply Better



SIMPLE TO EXPAND

- Light Energy Manager, switches, occupancy sensors and photocells may be added for automated time-clock control, occupancy sensing and daylight harvesting
- System may be scaled post-installation to accommodate areas as small as a single room or as large as a multi-building campus
- Components may be easily reconfigured to accommodate changes



SIMPLE TO MAINTAIN

- SYLVANIA QUICKTRONIC® multi-step electronic ballasts with program-start features maximize lamp life
- Adaptive electronics stay calibrated without manual adjustment
- Commissioning is not necessary when adding or replacing most components
- Adaptive scheduling accommodates occupants' usage automatically without reprogramming



Maximize Energy Savings

SIMPLY5 lighting intelligence maximizes lighting energy savings by first lowering the base consumption. It then distributes intelligent controls, enabling the easy incorporation of one or more timeclock, occupant or daylight-based automated controls. Finally, fully integrated load shed capabilities empower the property owner to take full advantage of EPAAct mandated real-time energy pricing and manage energy consumption while complying with utility incentives.

Gain Flexibility

With SIMPLY5, changes to the use of a building no longer require reprogramming or recommissioning of the control system. The integrated plug-and-play control elements make the system flexible and easy to reconfigure, as components can be added or removed at any time. Additionally, with local dimming and override controls, occupants have the power to create their personal environment.

SIMPLY5™
LIGHTING INTELLIGENCE

PRODUCT INFORMATION

S5JB

Intelligent Junction Box

**Intended Use**

The SIMPLY5™ intelligent junction box (S5JB) is the brain of the SIMPLY5 system. One S5JB is required per lighting zone. All SIMPLY5 components connected to the S5JB are auto detected eliminating the need for field programming. The SIMPLY5 components that can connect to an S5JB include the S5W wall station for ON/OFF and dimming control, the S5SC sensor connector for accepting occupancy sensor and photocell inputs, and Acuity

Brands lighting fixtures with the SIMPLY5 ballast option. Up to 100 SIMPLY5 devices/ fixtures may be connected to one S5JB.

SIMPLY5 components use RELOC® modular wiring to provide both power and data communication which reduces both installation labor and complexity.

System Features

Plug-and-play Functionality: Automatic detection and configuration for proper operation with other connected

SIMPLY5 control devices and lighting fixtures as installed.

Standard RELOC connectors make installation a breeze; simply mount and plug in. The S5JB also is available without RELOC connectors. Specify the hardwire options (HW).

The S5JBs version includes an integral override switch for the switched output.

Includes low-voltage power supply for local room signal buss and control devices such

as wall stations, occupancy sensors and photocells.

Enables fully adaptive time schedules for controlled lighting when used with the S5LEM.

Easily integrates with any connected wall stations, occupancy sensors or photocells. No programming or setup required.

Listings

CSA Listed to U.S. and Canadian standards.

**Example: S5JB 120**

ORDERING INFORMATION

Series	Options
S5JB Provides digital dimming signal for SIMPLY5 fixtures ¹	120 RELOC 15' tee connector with 120V key
S5JBS Provides digital dimming signal for SIMPLY5 fixtures and switched output (277V, 20A) for non-SIMPLY5 fixtures ¹	277 RELOC 15' tee connector with 277V key
	HW Hardwire (no RELOC) 120/277V

ADDITIONAL INFORMATION

For additional product information, visit www.simply5.net.

Notes

- ¹ The S5JB only controls SIMPLY5 fixtures. The S5JBS dims and switches SIMPLY5 fixtures, and only switches non-SIMPLY5 fixtures.

PRODUCT INFORMATION

S5W

SIMPLY5™ Wallbox Station

**Intended Use**

The SIMPLY5 wall station (S5W) is used with the SIMPLY5 intelligent junction box to provide an intuitive user interface to seven smooth dimming levels from 100% to 3%. Wall stations may be field-configured for either single-zone or whole-room control and will automatically work in three-way or four-way configuration for

multi-location control in a single room.

System Features

Push on/push off large preset switch returns lights to last level.

Seven-segment LED level display.

Self-configures for multi-location control, timeclock override and occupancy

sensor override functionality as appropriate.

Side rocker switch allows dimming control.

SIMPLY5 RELOC control tee connector is provided.

Includes coordinating single-gang thermoplastic wall-plate.

Listings

CSA Listed to U.S. and Canadian standards.

**Example: S5W 120**

ORDERING INFORMATION

Series	Options	Finish
S5W Digital wall station ¹	120 RELOC 15' tee connector with 120V key.	(blank) White
	277 RELOC 15' tee connector with 277V key	IV Ivory
	HW Hardwire (no RELOC) 120-277V	

ADDITIONAL INFORMATION

For additional product information, visit www.simply5.net.

ACCESSORIES

ORDER SEPARATELY

DSA FPD_ (# of gangs)	Decora® wallplate
S5CCKIT_	Wall station color-change kit (designate color nomenclature)

Notes

- ¹ Standard RELOC connections. RELOC tee ships separately from wall box.

Intended Use

The SIMPLY5™ sensor connector (S5SC) provides the capability to connect one occupancy sensor and one analog photosensor to a SIMPLY5 intelligent junction box (S5JB). The occupancy sensor connected to the S5SC is used by the S5JB to automatically turn off the lighting fixtures connected to the S5JB. An analog photosensor con-

nected to the S5SC is used by the S5JB to perform daylight harvesting. In many cases, a second S5JB may be required to perform daylight harvesting as a second lighting zone in the room.

System Features

Provides one occupancy sensor input and one analog photosensor input.

Two Sensor Switch occupancy sensors can be connected to one input. The S5JB auto-detects when the S5SC is connected to it.

The S5SC is compatible with Synergy Lighting Controls sensor switch low-voltage occupancy sensors.

A power pack is not required for sensor switch occupancy

sensors; sensor power is provided by the S5SC.

Listings

CSA listed to U.S. and Canadian safety standards.

S5SC

Sensor Connector



Example: S5SC 120



ORDERING INFORMATION

Series	Options
S5SC Sensor connector	120 RELOC 15' tee connector with 120V key 277 RELOC 15' tee connector with 277V key HW Hardwire (no RELOC connector)

ADDITIONAL INFORMATION

For additional product information, visit www.simply5.net.

ACCESSORIES

ORDER SEPARATELY

DEQ APS	Analog photosensor
CM PDT 9	Ceiling-mount dual technology sensor head
WV PDT	Corner-mount dual technology sensor head

PRODUCT INFORMATION

Intended Use

The SIMPLY5™ light energy manager (S5LEM) is used in conjunction with the SIMPLY5 S5JB intelligent junction box for time-based control of up to 42, 20A circuits of SIMPLY5 compatible lighting fixtures. The S5LEM can manage as many as 700 rooms, assigned to eight different user-defined groups. Plug-and-play configuration of components allows commissioning of an energy-code

compliant system to be as easy as simply setting the time and date.

Typically, only one S5LEM is required per building unless there are more than 700 S5JBs.

System Features

Graphical LCD display and touch-sensitive keypad provide programming interface.

Daily or weekly on/off schedule programming capability.

Plug-and-play functionality.

Ethernet Networking: Two on-board Ethernet ports with integral switch allow S5LEM panels to be connected to each other and to building LAN via CAT5 cable without additional equipment.

Listings

CSA Listed to U.S. and Canadian safety standards.

S5LEM

Light Energy Manager



Example: S5LEM



ORDERING INFORMATION

Series
S5LEM Light energy manager

ADDITIONAL INFORMATION

For additional product information, visit www.simply5.net.

TECHNICAL INFORMATION

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Luminaires may utilize fluorescent or high intensity discharge sources that contain small amounts of mercury. New disposal labeling for these lamps includes the mercury identifier shown below to indicate that the lamp contains mercury and should be disposed of in accordance with local requirements.



Information sources regarding lamp recycling and disposal are included on the packaging of most mercury-containing lamps and also can be located at www.lamprecycle.org.

LEED & ENERGY CODES

Sustainability, Innovation, Commitment

These three simple words describe the Acuity Brands focus on reducing harmful impacts on the environment. Our commitment is clear. We demonstrate it first and foremost in how we conduct our business.

One focal point of our efforts to promote sustainability is our web site at: www.acuitybrandslighting.com/sustainability where details are provided on green standards, energy codes and our green products.

LEED® with Lighting

The Leadership in Energy and Environmental Design (LEED) Green Building Rating System™ is a voluntary, consensus-based standard developed by the U.S. Green Building Council (USGBC).

The LEED® rating systems define the criteria for designing and constructing high-performance, environmentally sustainable buildings, and promotes a whole-building approach to sustainability by recognizing performance in five key areas: sustainable site development, water savings, energy efficiency, materials selection and indoor environmental quality.

Our web site at www.acuitybrandslighting.com/sustainability provides details on the standard and the availability of tools to help comply with the principles of LEED, including:

- The role that lighting plays within the LEED system is described.
- The specific lighting requirements and optional credits with LEED are described including a toolbox for each criteria that provides links to various tools and other related web sites where Acuity Brands can provide additional guidance.
- A discussion of what role lighting can play in achieving the energy goals of LEED.

Certified LEED Projects at Acuity Brands:

- New York Center for Light + Space has earned LEED-CI gold certification.
- Holophane, Granville OH, Building F facility has earned silver certification within LEED-CI.

Energy Codes and Regulatory Issues

As the need for energy efficiency grows and the various levels of government restrict our use of energy, the Acuity Brands web site can assist you in navigating through this maze of codes and regulations.

Please go to www.acuitybrandslighting.com/sustainability for information on the following topics:

- The lighting related requirements of energy codes such as ASHRAE 90.1 and the International Energy Conservation Code (IECC) are explained with tools provided to assist in meeting these requirements.
- Links are provided to web sites which track which energy codes have been adopted by the various states.
- Details are presented on EAct 2005 which provides for tax deductions for energy efficient projects in both new construction and relighting projects. Tools such as a tax benefits calculator and compliance documentation are also available. These tax deductions are currently available until December 31, 2013.
- A lighting summary of EISA 2007 (the Energy Independence and Security Act) is included.

As new energy codes and regulations are adopted, Acuity Brands will continue to provide the latest information on these developments.

Sustainability at Acuity Brands

Our commitment to environmental sustainability begins in our own operations. The Acuity Brands Sustainable Operations Council includes representatives from all our North American facilities with the goal to achieve year-over-year reductions in our use of natural resources. Some specific examples of our accomplishments include:

- Reduced our overall electricity consumption by 13.4%.
- Reduced 37% of the water used in our paint system with modifications that enabled us to reclaim water for this process at three facilities.
- Reduced our impact on landfills by 40% by establishing corporate recycling and green procurement standards.
- Our paper use has been reduced by 47% and revenue from aluminum recycling is contributed to community projects.

Our employees are directly involved with industry groups working to establish energy and environmental standards, such as the ASHRAE/IESNA Standard 90.1, US Green Building Council, Consortium for Energy Efficiency, Clinton Climate Initiative, Next Generation Lighting Industry Alliance and ENERGY STAR® programs.

NIGHTTIME™ FRIENDLY LIGHTING



Nighttime Friendly designates products with superior optical control that are consistent with the goals of USGBC LEED® and meet Green Globes™ product criteria for light pollution reduction. These products are full cutoff and no more than 10% of the lumens from the luminaire are emitted above 80 degrees from nadir.

Acuity Brands – Nighttime Friendly™ Designation

For years, Acuity Brands has been actively involved in developing products and standards focusing on minimizing the impact of electric lighting systems of the nighttime environment. Our brands are members and contribute to the International Dark-Sky Association (IDA) and we are active in various outdoor lighting committees of the Illuminating Engineering Society (IESNA). We are a member of the IDA / IESNA Model Lighting Ordinance task group. We are a member of the US Green Building Council and provide a variety of lighting solutions focused on achieving the LEED credit SS8 for light pollution reduction. Acuity Brands has some of the most experienced and knowledgeable optical designers working with our product development teams to continue to develop responsible lighting solutions.

What does Nighttime Friendly Mean?

Because there are no lighting industry standards recognizing products that minimize obtrusive nighttime lighting, Acuity Brands has established a designation with very strict requirements, based on photometric test data. Our Nighttime Friendly designation requires that the lighting product has no uplight and nor more than 10% of the total lumens between 80-90 degrees. This criterion is consistent with LEED and Green Globes guidelines for environmental sustainability. Our Nighttime Friendly designation focuses on no uplight as well as high angle brightness and requires laboratory test data based on IESNA standards. The Acuity Brands Conyers lab is NVLAP accredited, an accreditation that requires a strict quality process and 3rd party audit by the National Institute of Standards & Technology (NIST). Independent labs have not gained this accreditation.

How does Nighttime Friendly compare with other designations?

IDA Fixture Seal of Approval

The IDA Fixture Seal of Approval does not have specific, quantifiable criteria. In general, the IDA Fixture Seal of Approval focuses on products that have no uplight. Since Acuity Brands Nighttime Friendly designation is more stringent and can be verified with any commercial software, we typically do not list products with IDA.

Star View™ Compliant

Hubbell Outdoor and Spaulding brands of lighting products promote the Star View Compliant designation, used to identify full cutoff optics. This designation is not as stringent as the Acuity Brands Nighttime Friendly designation because it does not stipulate a limit on the high angle lumens that impact glare.

Are there other considerations for minimizing obtrusive outdoor lighting?

Daytime and nighttime aesthetics

Beyond considerations of uplight, there are other optical considerations to help you select a quality lighting system. Many times, the lighting system must offer both daytime and nighttime aesthetics. Traditionally, this required lighting systems that emitted a significant portion of light into the sky and emit light at high angles resulting in glare. We offer many options to address the need for daytime and nighttime aesthetics.

Light trespass

Another key aspect to consider is limiting the amount of light emitted off of the property that trespasses onto adjacent properties. This is especially important in areas where commercial and residential properties are adjacent to each other. To address this concern, lighting products should be selected to minimize high angle brightness and poles located at or near the perimeter of the site should utilize sharp cutoff optics that limit light behind the pole.

Reducing light levels late at night

Many communities encourage businesses to reduce light levels late at night when activity in those areas is minimal. In addition, some areas are encouraged to turn off the lighting, such as sporting facilities. This can be accomplished by turning off some luminaires or zones. Advanced lighting systems can even detect motion and reduce the lighting in each fixture when there is not activity.

Why should I select Acuity Brands products for applications with environmental considerations?

Acuity Brands provides many options for responsible outdoor environments. We demonstrate our commitment to the nighttime environment through our development of superior optics, our involvement in industry activities to reduce the impact of obtrusive nighttime lighting and through our corporate commitment to environmental sustainability. We provide reliable test data and have made investments in the accreditation of our Conyers testing laboratory. Our sales personnel and technical support staff stand ready to help you identify the most effective outdoor lighting solutions and validate the performance of these systems.

IESNA CUTOFF CLASSIFICATIONS			
CLASSIFICATION	DEFINITION	BENEFITS	LIMITATIONS
Full Cutoff	Zero intensity at or above horizontal (90° above nadir) and limited to a value not exceeding 10% of lamp lumens at or above 80°.	Limits spill light onto adjacent property, reduces glare. No light is emitted directly from the luminaire into the sky.	May reduce pole spacing to maintain uniformity and increase pole and luminaire quantities.
Cutoff	Intensity at or above 90° (horizontal) no more than 2.5% of lamp lumens, and no more than 10% of lamp lumens at or above 80°.	Small increase in high-angle light allows increased pole spacing.	May allow some uplight from luminaire. Typically a small overall impact on sky glow.
Semi-cutoff	Intensity at or above 90° (horizontal) no more than 5% of lamp lumens and no more than 20% at or above 80°	High-angle light accents taller vertical surfaces such as buildings. Most light is still directed downward.	Little control of light at property line. Potential for increased glare when using high wattage luminaires. Typically directs more light into the sky than cutoff.
Non-cutoff	No limitations on light distribution at any angle.	Uniform luminous surfaces such as internally illuminated signs or globes. Wattage should be limited. Suitable for sports lighting, facade, landscape or other applications where luminaires are tilted due to limitations in pole or fixture locations.	Location and aiming are critical. Most likely of all categories to produce offensive brightness and sky glow.

Notes

See www.lithonia.com/nighttimefriendly for full details.

LUMINAIRE CLASSIFICATION SYSTEM

In 2007 the IES defined a new classification system for outdoor luminaires that evaluates the photometric performance of a luminaire based on light emitted into various solid angles that impact uplight, backlight and high angle glare zones. This IES standard is available in their publication, TM-15, "Luminaire Classification System for Outdoor Luminaires".

To the right is a 3-D representation of the LCS model including the sub angles for each zone. Below that is a graphical representation of how such data for a specific luminaire is represented in the Acuity online Photometric Viewer.

The forward and backlight zones near or slightly below horizontal provide a useful analysis of high angle brightness, often relating to objectionable glare. Keep in mind however, that glare relates to other factors including the size of the source and specific intensity at discrete angles. So additional research will continue to evaluate how to best quantify glare.

Evaluation of backlight must consider where the pole is located in relation to the property line.

And finally, in considering sky glow impact, the light at or near horizontal has a greater impact on the scattering of light in the atmosphere – resulting in a higher degree of sky glow over a community.

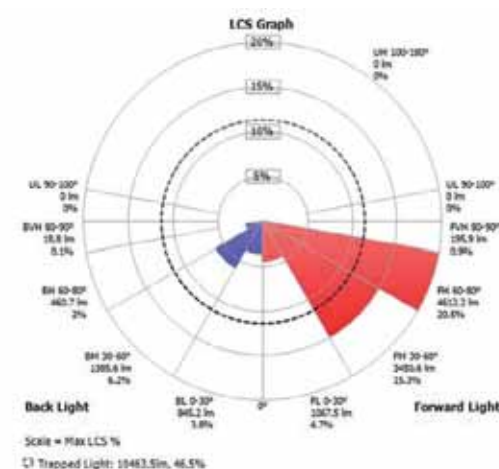
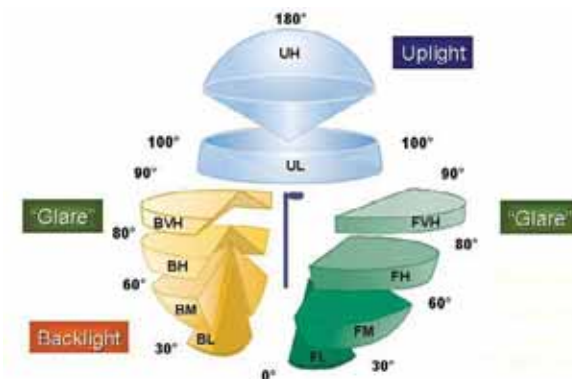
BUG Ratings

In February 2009, the TM-15 standard added zonal lumen limits defining Backlight (B), Uplight (U) and Glare (G) ratings. The zonal lumens in specific solid angles define a rating from 1 to 5 for each of three categories, with 1 being the most restrictive.

You will notice that the uplight category includes lumens that are in the very high zones below horizontal. The reason for this is because uplight – or sky glow, is impacted most by light emitted at or near horizontal because horizontal light causes the most scatter in the atmosphere as it picks up and reflects off of particulate in the air (such as dust particles, air pollution or even natural phenomena such as fog).

You will also notice there are two tables for the glare ratings. The zonal lumen thresholds are different for luminaires that have a symmetric distribution such as a Type V or Type V square from those that have a longitudinal or forward throw type of distribution such as Type I, II, III or IV.

BUG ratings for our products are available using the Acuity online Photometric Viewer.



BACKLIGHT/TRESPASS						
SECONDARY SOLID ANGLE	B0	B1	B2	B3	B4	B5
BH	110	500	1000	2500	5000	>5000
BM	220	1000	2500	5000	8500	>8500
BL	110	500	1000	2500	5000	>5000

UPLIGHT/SKYGLOW						
SECONDARY SOLID ANGLE	U0	U1	U2	U3	U4	U5
UH	0	10	100	500	1000	>1000
UL	0	10	100	500	1000	>1000
FVH	10	75	150	>150	—	—
BVH	10	75	150	>150	—	—

GLARE							
SECONDARY SOLID ANGLE		G0	G1	G2	G3	G4	G5
GLARE FOR TYPES I, II, III, IV, V and V SQUARE	FVH	10	250	375	500	750	>750
	BVH	10	250	375	500	750	>750
	FH	660	1800	5000	7500	12000	>12000
GLARE FOR TYPES I, II, III AND IV	BH	110	500	1000	2500	5000	>5000
GLARE FOR TYPES V AND V SQUARE	BH	660	1800	5000	7500	12000	>12000

TROUBLESHOOTING GUIDE

Most lighting installations provide reliable service for many years with no maintenance except for routine cleaning and lamp replacement. If a malfunction does occur, use the information below to diagnose and correct the problem. *Disconnect the power before servicing any lighting system.* Do not perform service while the fixture is engaged. Contact our Customer Service Department if you need further assistance.

The following is a list of common malfunctions, possible causes and appropriate corrective action.

Lamp Will Not Start

Incorrect lamp or ballast – Check fixture label against lamp type. Check lamp and ballast ANSI numbers to ensure they match. Check that lamp is in proper burning position (Metal Halide).

Lamp is improperly seated in socket – Back out lamp and retighten. Check pin connection with socket. HID: Check to see if center contact of socket is compressed. If so, disconnect fixture from power supply and bend contact into position with a screwdriver.

Incorrect or loose wiring – Disconnect from power. Check wiring connections. HID: Connect fixture lead marked with proper voltage to voltage supply lead. 120V, 277V and 347V: Connect lead marked COM to neutral supply. 208V, 240V and 480V: Connect lead marked COM to other voltage supply lead.

Lamp at or near end of life – Replace with new lamp. HID arc tubes will blacken near end of life. Mercury and metal halide lamps will produce low light output and may exhibit intermittent starting. Metal halide will suffer severe color changes. High pressure sodium lamps will exhibit normal starting but will turn on and off (cycle) during operation. The envelope of a high pressure sodium lamp may develop a brownish discoloration. Low pressure sodium lamps will operate at nearly full light output but starting will become impossible at end of life.

Photoelectric control defective – Disconnect button type cell from circuit or replace NEMA twist-lock cell with shorting cap; test fixture. If lamp starts, replace PE control.

Line or ballast output voltage low – Check line voltage at the fixture. Check open circuit voltage. See page 785 for HID ballasts.

Ballast burned out – Check circuit continuity. See page 785 for HID ballasts.

Starter circuit failure – Replace lamp with known good lamp. If lamp fails to start, replace starter.

Improper ambient temperature – Check ballast or fixture rating against existing environmental conditions. Fluorescent lamps experience starting problems when the ambient temperature is below 50°F. Mercury and metal halide will start above -20°F and high pressure sodium above -40°F.

Incorrect or loose wiring – Disconnect from power. Check wiring connections.

Slow or Erratic Starting

Lamp at or near end of life – Replace with new lamp. HID arc tubes will blacken near end of life. Mercury and metal halide lamps will produce low light output and may exhibit intermittent starting. Metal halide will suffer severe color changes. High pressure sodium lamps will exhibit normal starting but will turn on and off (cycle) during operation. The envelope of a high pressure sodium lamp may develop a brownish discoloration. Low pressure sodium lamps will operate at nearly full light output but starting will become impossible at end of life.

Line or ballast output voltage low – Check line voltage at the fixture. Check open circuit voltage. See page 785 for HID ballasts.

Line voltage varies – Check incoming voltage with recording voltmeter (if this is the problem, check other equipment on the same circuit).

Incorrect lamp or burning position – Check fixture label against lamp type. Check lamp and ballast ANSI numbers to ensure they match. Check for proper lamp operating position (metal halide).

Improper ambient temperature – Check ballast or fixture rating against existing environmental conditions. Fluorescent lamps experience starting problems when ambient temperature is below 50°F. Mercury and metal halide will start above -20°F and high pressure sodium above -40°F.

Hard-starting lamp – Replace with new lamp if delay is lengthy.

Incorrect or loose wiring – Disconnect from power. Check wiring connections.

Ballast near or at end of life – Test ballast.

Blinking, “Snaking” or Flickering (Fluorescent)

New lamp may need to be seasoned – Turn fixture on and off several times at 30-minute intervals.

Ambient temperature too low – If ambient temperature is below 50°F, change to ballast rated for conditions.

Significant air movement across lamps – Check for fans or air conditioning blowing across lamps.

Incorrect or loose wiring – Disconnect from power. Check wiring connections.

Line voltage varies – Check voltage supply.

Cycling (Lamp Turns On and Off)

Line voltage varies – Check voltage supply.

Faulty insulation detector (recessed fixtures) – Bypass to verify or move insulation if in contact. Insulation must be kept at least 3" from the side and 1/2" from the top of the fixture.

High Intensity Discharge:

Lamp at end of life or defective HPS lamp – Replace with new lamp.

PE control receives reflected light – Cover PE control and test fixture.

Incorrect lamp or ballast – Compare fixture and lamp labels for matching wattage and source. Compare fixture and system voltage rating.

Ballast output voltage low – Check line voltage at fixture. Check open circuit voltage. See page 785 for HID ballasts.

Incorrect lamp operating position (metal halide) – Check lamp specifications for proper operating position.

Fluorescent:

Incorrect or loose wiring – Disconnect from power. Check wiring connections.

Ballast is operating too hot – Check for high ambient temperatures, ventilate or suspend fixture.

Ballast near or at end of life – Test ballast.

Reduced Light Output

Improper ambient temperature – Fluorescent: Check for ambient temperature significantly above or below 77°F.

Air movement across lamps – Fluorescent: Check for fans or air conditioning blowing across lamps.

Lamp at or near end of life – Replace with new lamp. HID arc tubes will blacken near end of life. Mercury and metal halide lamps will produce low light output and may exhibit intermittent starting. Metal halide

will suffer severe color changes. High pressure sodium lamps will exhibit normal starting, but will turn on and off (cycle) during operation. The envelope of a high pressure sodium lamp may develop a brownish discoloration. Low pressure sodium lamps will operate at nearly full light output but starting will become impossible at end of life.

Incorrect or loose wiring – Disconnect from power. Check wiring connections.

Ballast near or at end of life – Test ballast. See page 785 for HID ballasts.

Short Lamp Life

Incorrect lamp or ballast – Compare fixture label against lamp type. Check lamp and ballast ANSI numbers to ensure they match. Check that lamp is in proper burning position.

Line voltage or ballast output voltage low – Check line voltage at fixture. Check open circuit voltage. See page 785 for HID ballasts.

Lamp operates less than 10 hours per start – Rated lamp life is based on 10 hours of operation per start. General rule for expected lamp life is: 50% reduction in burn time per start results in 25% reduction in lamp life.

Faulty lamp – Replace with new lamp.

Radio Interference (Fluorescent)

Interference from electronic equipment – Move electronic equipment at least 10 feet away from lamps. Install radio frequency shielding. Install radio interference filter. Improve equipment grounding. Install shielded and grounded radio antenna.

Blown Fuses or Tripped Circuit Breaker (HID)

Improper fuses installed in fixture – Check fuses to fixture manufacturer's specification. Replace if incorrect.

Overloaded circuit – Verify that total circuit load is less than circuit rating.

Shorted (grounded) fixtures – Check with shorted (grounded) test. If shorted, replace fixture. See page 785 for HID ballasts.

COMPACT FLUORESCENT

Lamp & Ballast Data

COMPACT FLUORESCENT

Example: F18DTT/35 4PIN GE

ORDERING INFORMATION

Lamp type/Lamp color		Pin	Manufacturer
Lamp type	Lamp color	(blank) 2-pin lamp	GE General Electric
F7TT/	27	4PIN 4-pin lamp	SY OSRAM SYLVANIA
F9TT/	30		PH Philips
F9DTT/	35		
F13TT/	41		
F13DTT/			
F18DTT/			
F18TRT/			
F26TRT/			
F26DTT/			
F42TRT/			
F57TRT/			
F70TRT/			

ADDITIONAL INFORMATION

For additional product information, visit www.lithonia.com.

WATTAGE	BASE	PIN	AVG RATED LIFE (HRS)	LUMENS				LAMP COLOR			
				INITIAL	MEAN	2700K	3000K	3500K	4100K		
7TT	G23	2	10000	400	344	■ ^{1,2,3}		■ ^{1,2,3}	■ ^{1,2,3}		
9TT	G23	2	10000	580	499	■ ^{1,2,3}		■ ^{1,2,3}	■ ^{1,2,3}		
9DTT	G23-2	2	10000	525	452	■ ^{1,2}	■ ²	■ ²	■ ¹		
13TT	GX23	2	10000	800	688	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}		
13TT	2GX7	4	10000	800	688	■ ²	■ ²		■ ²		
13DTT	GX23-2	2	10000	780	671	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}		
13DTT	G24Q-1	4	12000	900	774	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}		
18DTT	G24D-2	2	10000	1150	980	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}		
18DTT	G24Q-2	4	12000	1150	980	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}		
18TRT	GX24Q-2	4	12000	1164	1001	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}		
26DTT	G24D-3	2	10000	1710	1470	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}		
26DTT	G24Q-3	4	12000	1710	1470	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}		
26TRT	GX24Q-3	4	12000	1710	1548	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}		
32TRT	GX24Q-3	4	12000	2200	1850	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}		
42TRT	GX24Q-4	4	12000	3104	2670	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}		
57TRT	GX24Q-5	4	12000	4171	3587	■ ^{1,2}	■ ^{1,2,3}	■ ^{1,2,3}	■ ^{1,2,3}		
70TRT	GX24Q-6	4	12000	5200	4470	■ ¹	■ ¹	■ ¹	■ ¹		

■ = Available

LAMP TYPE	NUMBER OF LAMPS	STARTING TEMP	120V			277V			347V		
			120V, 277V, 347V	INPUT WATTS	MAX AMPS	BALLAST FACTOR	INPUT WATTS	MAX AMPS	BALLAST FACTOR	INPUT WATTS	MAX AMPS
13TT	2	0°F (-18°C)	26.00	0.22	0.98	26.00	0.10	0.98	NA	NA	NA
13DTT	1	0°F (-18°C)	18.00	0.15	1.00	18.00	0.07	1.00	18.00	0.06	1.00
	2	0°F (-18°C)	30.00	0.26	1.00	30.00	0.11	1.00	33.00	0.10	0.98
18DTT, 18TRT	1	0°F (-18°C)	20.00	0.17	1.00	20.00	0.08	1.00	21.00	0.11	1.00
	2	0°F (-18°C)	39.00	0.33	0.95	39.00	0.14	0.95	38.00	0.06	0.98
26DTT, 26TRT	1	0°F (-18°C)	29.00	0.25	1.00	29.00	0.11	1.00	31.00	0.09	1.02
	2	0°F (-18°C)	56.00	0.47	0.98	56.00	0.21	0.98	57.00	0.17	0.98
32TRT	1	0°F (-18°C)	36.00	0.31	0.98	36.00	0.13	0.98	36.00	0.11	0.98
	2	0°F (-18°C)	69.00	0.58	0.98	68.00	0.26	0.98	62.00	0.19	1.00
42TRT	1	0°F (-18°C)	46.00	0.40	0.98	46.00	0.18	0.98	42.00	0.13	1.00
	2	0°F (-18°C)	93.00	0.78	0.97	93.00	0.33	0.97	80.00	0.25	0.98
57TRT	1	0°F (-18°C)	59.00	0.52	0.94	59.00	0.21	0.94	61.00	0.18	1.00
	2	0°F (-18°C)	128.00	1.07	1.00	126.00	0.46	1.00	NA	NA	NA
70TRT	1	0°F (-18°C)	75.00	0.63	0.96	75.00	0.27	0.96	74.00	0.21	1.00

Notes

- 1 Available from General Electric.
- 2 Available from OSRAM.
- 3 Available from Philips.

TECHNICAL INFORMATION

T8/T5 LINEAR AND U-SHAPED FLUORESCENT LAMPS							
	LAMP TYPE	WATTAGE	NOMINAL LENGTH (IN)	INITIAL LUMENS	MEAN LUMENS	AVG RATED LIFE (HRS)	CRI
T8 800 ENERGY SAVING LAMPS	F25T8	25	48	2475	2350	24000	85
	F28T8	28	48	2725	2585	24000	85
	F30T8	30	48	2850	2675	24000	85
T8 HIGH LUMEN LAMPS	F17T8	17	24	1400	1330	30000	85
	F25T8	25	36	2200	2090	30000	85
	F32T8	32	48	3100	2945	30000	85
T8 800 LAMPS	F17T8	17	24	1350	1240	20000	82
	F25T8	25	36	2150	1975	20000	82
	F32T8	32	48	2950	2800	20000	85
	F96T8	59	96	5900	5428	15000	82
	F96T8HO	86	96	8200	7625	18000	85
T8 700 LAMPS	F17T8	17	24	1300	1170	20000	75
	F25T8	25	36	1950	1755	20000	75
	F32T8	32	48	2800	2520	20000	78
	F96T8	59	96	5700	5130	15000	75
	F96T8HO	86	96	7900	7100	18000	78
T8 U-SHAPED LAMPS 6" LEG SPACING	FB32T8	32	22.5	2800	2535	20000	82
	FB32T8	32	22.5	2650	2370	20000	75
T8 U-SHAPED LAMP 1-5/8" LEG SPACING	FB31T8	31	22.5	2725	2500	20000	82
T5	F14T5	14	22	1200	1116	20000	85
	F21T5	21	34	1900	1767	20000	85
	F28T5	28	46	2600	2418	20000	85
	F24T5HO	24	22	1750	1627	20000	85
	F39T5HO	39	34	3100	2883	20000	85
	F54T5HO	54	46	4450	4138	25000	85

T8 LINEAR FLUORESCENT BALLAST								
BALLAST	LAMP TYPE	WATTAGE	NUMBER OF LAMPS	SOUND RATING	TYPICAL INPUT WATTAGE	120V NOMINAL CURRENT	277V NOMINAL CURRENT	BALLAST FACTOR
GEB10IS	F17T8	17	1	A	15	0.12	0.05	0.81
	F17T8	17	1	A	18	0.15	0.07	0.92
	F17T8	17	2	A	27	0.25	0.11	0.81
	F17T8	17	2	A	32	0.27	0.12	0.93
	F17T8	17	3	A	40	0.33	0.15	0.80
	F17T8	17	3	A	46	0.40	0.18	0.93
	F17T8	17	4	A	52	0.42	0.19	0.81
	F17T8	17	4	A	60	0.50	0.22	0.91
	F25T8	25	1	A	22	0.17	0.08	0.78
	F25T8	25	1	A	23	0.20	0.09	0.88
	F25T8	25	1	A	32	0.27	0.12	1.20
	F25T8	25	2	A	40	0.34	0.15	0.78
	F25T8	25	2	A	46	0.39	0.16	0.88
	F25T8	25	2	A	61	0.51	0.22	1.20
	F25T8	25	3	A	59	0.50	0.21	0.78
	F25T8	25	3	A	67	0.58	0.25	0.88
	F25T8	25	3	A	89	0.75	0.32	1.18
	F25T8	25	4	A	77	0.63	0.28	0.78
	F25T8	25	4	A	88	0.74	0.31	0.88
	F32T8	32	1	A	28	0.22	0.10	0.78
	F32T8	32	1	A	30	0.26	0.11	0.88
	F32T8	32	1	A	41	0.33	0.15	1.20
	F32T8	32	2	A	51	0.44	0.19	0.78
	F32T8	32	2	A	59	0.50	0.21	0.88
	F32T8	32	2	A	78	0.65	0.28	1.20
	F32T8	32	3	A	75	0.65	0.27	0.78
	F32T8	32	3	A	86	0.72	0.31	0.88
	F32T8	32	3	A	114	0.95	0.41	1.18
F32T8	32	4	A	98	0.80	0.35	0.78	
F32T8	32	4	A	112	0.95	0.40	0.88	
F96T8	59	1	A	67	0.56	0.25	1.02	
F96T8	59	2	A	112	0.93	0.40	0.88	
GEB10RS	F25T8	25	1	A	24	0.20	0.09	0.88
	F25T8	25	2	A	46	0.39	0.17	0.88
	F25T8	25	3	A	69	0.58	0.25	0.88
	F25T8	25	4	A	92	0.77	0.32	0.88
	F32T8	32	1	A	31	0.26	0.11	0.88
	F32T8	32	2	A	59	0.50	0.21	0.88
	F32T8	32	3	A	88	0.74	0.31	0.88
	F32T8	32	4	A	118	0.99	0.41	0.88
	F96T8HO	86	1	A	95	0.78	0.36	0.96
	F96T8HO	86	2	A	182	1.54	0.67	0.95

T8/T5 LINEAR FLUORESCENT BALLAST								
BALLAST	LAMP TYPE	WATTAGE	NUMBER OF LAMPS	SOUND RATING	TYPICAL INPUT WATTAGE	120V NOMINAL CURRENT	277V NOMINAL CURRENT	BALLAST FACTOR
BILP	F25T8	25	1	A	21	0.17	0.08	0.77
	F25T8	25	2	A	39	0.33	0.14	0.77
	F25T8	25	3	A	62	0.54	0.24	0.77
	F25T8	25	4	A	82	0.72	0.31	0.76
	F28T8	28	1	A	22	0.19	0.081	0.77
	F28T8	28	2	A	43	0.36	0.16	0.77
	F28T8	28	3	A	64	0.57	0.25	0.77
	F28T8	28	4	A	86	0.75	0.32	0.77
	F30T8	30	1	A	24	0.20	0.09	0.77
	F30T8	30	2	A	45	0.38	0.17	0.77
	F30T8	30	3	A	68	0.57	0.25	0.77
	F30T8	30	4	A	90	0.76	0.33	0.77
	F32T8	32	1	A	25	0.22	0.10	0.77
	F32T8	32	2	A	49	0.42	0.18	0.77
	F32T8	32	3	A	73	0.66	0.28	0.77
F32T8	32	4	A	97	0.88	0.37	0.77	
BINP	F25T8	25	1	A	23	0.20	0.09	0.87
	F25T8	25	2	A	45	0.38	0.16	0.87
	F25T8	25	3	A	67	0.59	0.26	0.84
	F25T8	25	4	A	89	0.78	0.33	0.82
	F28T8	28	1	A	25	0.22	0.10	0.87
	F28T8	28	2	A	49	0.41	0.18	0.87
	F28T8	28	3	A	72	0.62	0.27	0.87
	F28T8	28	4	A	96	0.82	0.35	0.87
	F30T8	30	1	A	27	0.23	0.10	0.87
	F30T8	30	2	A	52	0.44	0.19	0.87
	F30T8	30	3	A	77	0.65	0.28	0.87
	F30T8	30	4	A	102	0.86	0.37	0.87
	F32T8	32	1	A	28	0.25	0.11	0.87
	F32T8	32	2	A	55	0.47	0.20	0.87
	F32T8	32	3	A	82	0.72	0.31	0.87
F32T8	32	4	A	109	0.97	0.41	0.87	
BIHP	F25T8	25	1	A	30	0.26	0.12	1.20
	F25T8	25	2	A	62	0.54	0.24	1.20
	F25T8	25	3	A	90	0.79	0.34	1.14
	F25T8	25	4	A	121	1.06	0.45	1.16
	F28T8	28	1	A	33	0.28	0.12	1.20
	F28T8	28	2	A	66	0.58	0.26	1.15
	F28T8	28	3	A	99	0.83	0.36	1.18
	F28T8	28	4	A	127	1.10	0.48	1.15
	F30T8	30	1	A	37	0.31	0.13	1.20
	F30T8	30	2	A	72	0.60	0.26	1.19
	F30T8	30	3	A	106	0.88	0.38	1.18
	F30T8	30	4	A	135	1.13	0.49	1.15
	F32T8	32	1	A	39	0.33	0.14	1.18
	F32T8	32	2	A	74	0.65	0.28	1.15
	F32T8	32	3	A	111	0.99	0.41	1.18
F32T8	32	4	A	148	1.3	0.55	1.15	
CONTRACTOR SELECT BALLAST	F32T8	32	1	A	30	0.27	0.12	0.92
	F32T8	32	2	A	57	0.50	0.21	0.88
	F32T8	32	3	A	83	0.75	0.32	0.88
	F32T8	32	4	A	111	0.94	0.40	0.88
GEB10PS	F14T5	14	1	A	17	0.14	0.06	0.99
	F14T5	14	2	A	32	0.27	0.12	1.00
	F21T5	21	1	A	24	0.23	0.09	0.99
	F21T5	21	2	A	47	0.40	0.17	1.00
	F24T5HO	24	1	A	29	0.23	0.10	1.00
	F24T5HO	24	2	A	55	0.47	0.20	1.00
	F28T5	28	1	A	32	0.28	0.12	1.00
	F28T5	28	2	A	65	3.55	0.23	1.00
	F39T5HO	39	1	A	42	0.36	0.15	1.00
	F39T5HO	39	2	A	85	0.76	0.32	1.00
	F54T5HO	54	1	A	62	0.51	0.21	1.00
F54T5HO	54	2	A	121	1.00	0.43	1.00	
F54T5HO	54	3	A	182	1.49	0.63	1.00	
F54T5HO	54	4	A	241	2.00	0.85	1.00	
GEB9S	F28T5	28	2	A	60	0.50	0.22	0.95
GEB11S	F28T5	28	2	A	73	0.61	0.26	1.15

HIGH INTENSITY DISCHARGE

Lamp Data

HIGH INTENSITY DISCHARGE LAMP DATA										
	WATTAGE	ANSI	BASE-BULB	AVG RATED LIFE HRS	INITIAL LUMENS	MEAN LUMENS	COATED	BURNING POSITION	MANUFACTURER ¹	LITHONIA CAT. NO. ²
METAL HALIDE ³	50M	M110	MED-ED17	10000	3000	1900	Y	Universal	SY,GE, PH, VE	MH50M/C/U
	70M	M98	MED-ED17	12000	4700	3100	Y	Universal	SY, GE, PH, VE	MH70M/C/U
	100M	M90	MED-ED17	15000	7900	5800	Y	Universal	SY, GE, PH, VE	MH100M/C/U
	150M	M102	MED-ED17	15000	11600	7500	N	Universal	SY, GE, PH, VE	MH150M/U
	175M	M137 or M152	MOG-ED28	15000	16000	11200	Y	Base up	SY, GE, PH, VE	MS175BU PSL
	175M	M137 or M152	MOG-ED28	15000	17500	12800	N	Base up	SY, GE, VE	MS175C/BU PSL
	200M	M136	MOG-ED28	15000	20000	16000	Y	Vertical ±15°	VE	MS200U
	200M	M136	MOG-ED28	15000	21000	16800	N	Vertical ±15°	VE	MS200C/U PSL
	250M	M138 or M153	MOG-ED28	15000	22000	17600	N	Horizontal ±75°	VE	MS250BUH PSL
	250M	M138 or M153	MOG-ED28	15000	21500	15500	Y	Base up	GE, SY	MS250C/BUH PSL
	250M	M138 or M153	MOG-ED28	15000	23000	17000	N	Base up	GE, PH, SY	MS250BU PSL
	320M	M132 or M154	MOG-ED28	20000	29000	20300	Y	Universal	PH	MS320R/C/U PSL
	320M	M132 or M154	MOG-ED28	20000	30000	21000	N	Universal	PH	MS320R/U PSL
	320M	M132 or M154	MOG-ED28	20000	33000	23000	Y	Vertical ±15°	GE, VE	MS320R/C BU PSL
	320M	M132 or M154	MOG-ED28	20000	34000	25000	N	Vertical ±15°	GE, VE	MS320R/BU PSL
	320M	M132 or M154	MOG-BT28	20000V 15000H	30000V 28000H	19700V 18400H	Y	BU-HOR	SY	MS320R/C BU PSL SY
	320M	M132 or M154	MOG-BT28	20000V 15000H	30000V 28000H	21000V 19700H	N	BU-HOR	SY	MS320R/BU PSL SY
	350M	M131	MOG-ED37	20000	35000	24500	Y	Base up	PH, GE, VE	MS350C/BU PSL
	350M	M131	MOG-ED37	20000	36000	25200	N	Base up	PH, GE, VE	MS350C/BU PSL
	400M	M135 or M155	MOG-ED37	20000	41500	29050	Y	Base up	PH, GE, SY, VE	MS400C/BU PSL
	400M	M135 or M155	MOG-ED37	20000	42600	29820	N	Base up	PH, GE, SY, VE	MS400BU PSL
	450M	M144	MOG-ED37	20000	47000	37000	Y	Vertical ±15°	VE	MS450C/BU PSL
	450M	M144	MOG-ED37	20000	50000	40000	N	Vertical ±15°	VE	MS450BU PSL
	750M	M149	MOG-BT37	16000	72000	54000	Y	Base up	GE	MS750C/BU PSL
	750M	M149	MOG-BT37	16000	82000	60000	N	Base up	GE	MS750BU PSL
	750M	M149	MOG-BT37	16000V 12000H	78000V 68000H	67000V 56000H	N	BU-HOR	SY	MS750BUH PSL
	875M	M166	MOG-BT37	20000	100000	80000	N	Base up	VE	MS875R/BU PSL
	1000M	M141	MOG-BT37	12000V 9000H	11500V 10500H	9000V 82000H	N	Universal	GE, SY	MS1000R/U PSL
	1000M	M141	MOG-BT37	12000	115000	86000	N	Base up	VE	MS1000R/BU PSL
	1500M	M48	MOG-BT56	3000	170000V 101600H	140000	N	BU-HOR	SY, GE	MH1500BUH
	1500M	M48	MOG-BT56	3000	167000	140000	N	BD	SY	MH1500BD
	PROTECTED METAL HALIDE ⁴	50M	M110	MED-ED17	10000	3400	1500	Y	Universal	GE,SY,VE
70M		M98	MED-ED17	12000	5300	3300	Y	Universal	GE,SY,VE	MP70M/C/U
100M		M90	MED-ED17	15000	8500	5900	Y	Universal	GE,SY,VE	MP100M/C/U
150M		M102	MED-ED17	15000	12000	8300	Y	Universal	GE, SY	MP150M/C/U
175M		M57	MOG-BT28	10000	12800	7800	Y	Base up	GE, SY	MP175C/BU
175M		M57	MOG-BT28	10000	14400	10200	N	Base up	GE, PH, SY	MP175BU
200M		M136	MOG-ED28	15000	19000	15200	Y	Vertical ±15°	VE	MP200C/BU PSL
200M		M136	MOG-ED28	15000	20000	16000	N	Vertical ±15°	VE	MP200BU PSL
250M		M58	MOG-BT28	10000	20500	14700	Y	Base up	GE, SY	MP250C/BU
250M		M58	MOG-BT28	10000	23000	17000	N	Base up	GE, PH, SY	MP250BU
250M		M138 or M153	MOG-ED28	15000	22600	18000	Y	Base up	VE	MP250C/BU PSL
250M		M138 or M153	MOG-ED28	15000	23800	19000	N	Base up	VE	MP250BU PSL
320M		M132 or M154	MOG-BT28	20000	27700V 32000H	19000V 22000H	Y	Base up	SY, GE, VE	MP320R/C BU PSL
320M		M132 or M154	MOG-BT28	20000	28600V 33500H	21000V 24000H	N	Base up	SY, GE, VE	MP320R/BU PSL
350M		M131	MOG-ED37	20000	33000	26000	Y	Vertical ±15°	VE	MP350C/BU PSL
350M		M131	MOG-ED37	20000	35000	28000	N	Vertical ±15°	VE	MP350BU PSL
350M		M131	MOG-ED37	20000	33400	26700	Y	Base up	SY, GE	MP350C/BU PSL
350M		M131	MOG-ED37	20000	35200	28200	N	Base up	GE, SY	MP350BU PSL
400M		M59	MOG-ED37	20000	34500	22425	Y	Base up	PH, GE, SY	MP400C/BU
400M		M59	MOG-ED37	20000	38000	26000	N	Base up	GE, PH, SY	MP400BU
400M		M135 or M155	MOG-ED37	20000	36000	23400	Y	Base up	PH, GE, VE	MP400C/BU PSL
400M		M135 or M155	MOG-ED37	20000	40000	28000	N	Base up	PH, GE, VE	MP400BU PSL
450M		M144	MOG-ED37	20000	45000	36000	Y	Base up	VE	MP450C/BU PSL
450M		M144	MOG-ED37	20000	47000	37000	N	Base up	VE	MP450BU PSL
1000M		M47	MOG-BT56	15000	102000	82000	Y	Base up	SY	MP1000C/BU
1000M		M47	MOG-BT56	15000	107000	75000	N	Base up	PH, SY, GE	MP1000BU

	WATTAGE	ANSI	BASE-BULB	AVG RATED LIFE HRS	INITIAL LUMENS	MEAN LUMENS	COATED	BURNING POSITION	MANUFACTURER ¹	LITHONIA CAT. NO. ²
METAL HALIDE PAR LAMP	70M	M98	MED-PAR38	8500	3400	NA	N	Universal	SY,VE	MP70P38S5
	70M	M98	MED-PAR38	8500	3400	NA	N	Universal	SY,VE	MP70P38F5
	70M	M98	MED-PAR38	8500	3400	NA	N	Universal	SY,VE	MP70P38W5
	100M	M90	MED-PAR38	8500	5800	NA	N	Universal	SY,VE	MP100P38S5
	100M	M90	MED-PAR38	8500	5800	NA	N	Universal	SY,VE	MP100P38F5
	100M	M90	MED-PAR38	8500	5800	NA	N	Universal	SY,VE	MP100P38W5
	150M	M102	MED-PAR38	8500	8800	NA	N	Universal	SY	MP150P38S5
	150M	M102	MED-PAR38	8500	8800	NA	N	Universal	SY	MP150P38F5
	150M	M102	MED-PAR38	8500	8800	NA	N	Universal	SY	MP150P38W5
COLOR-CORRECTED CERAMIC METAL HALIDE ³	70M	M98	MED-ED17	15000	6000	4000	Y	Universal	GE, PH	MC70M/CU
	100M	M90	MED-ED17	10000V 15000H	8700	6300	Y	Universal	GE, PH	MC100M/CU
	150M	M102	MED-ED17	20000	12500	9375	Y	Universal	PH	MC150M/CU
PROTECTED COLOR-CORRECTED CERAMIC METAL HALIDE ⁴	70M	M98	MED-ED17	20000	5400	3995	Y	Universal	PH, SY	MPC70M/CU
	100M	M90	MED-ED17	20000	7900	5925	Y	Universal	PH, SY	MPC100M/CU
	150M	M102	MED-ED17	20000	11900	8805	Y	Universal	PH, SY	MPC150M/CU
	400M	M172 or M155	MED-ED37	24000	35000	27900	Y	Vertical ±15°	PH	MPC400C/BU LP940
	400M	M172 or M155	MED-ED37	24000	36000	28800	N	Vertical ±15°	PH	MPC400/BU LP940
COLOR-CORRECTED CERAMIC METAL HALIDE PAR LAMP	39M	M130	MED-PAR20	9000	2000	NA	N	Universal	PH, GE, SY	MPC39P20S ⁵
	39M	M130	MED-PAR20	9000	2000	NA	N	Universal	PH, GE, SY	MPC39P20F ⁵
	39M	M130	MED-PAR30	9000	2200	NA	N	Universal	PH, GE, SY	MPC39P30S ⁵
	39M	M130	MED-PAR30	9000	2200	NA	N	Universal	PH, GE, SY	MPC39P30F ⁵
	70M	M98	MED-PAR30	12000	3600	NA	N	Universal	SY, GE	MPC70P30S ⁵
	70M	M98	MED-PAR30	12000	3600	NA	N	Universal	SY, GE	MPC70P30F ⁵
	70M	M98	MED-PAR38	12000	4300	NA	N	Universal	SY, PH, GE	MPC70P38S ⁵
	70M	M98	MED-PAR38	12000	4300	NA	N	Universal	SY, PH, GE	MPC70P38F ⁵
	70M	M98	MED-PAR38	12000	4300	NA	N	Universal	SY, GE	MPC70P38W ⁵
	100M	M90	MED-PAR38	10000	6500	NA	N	Universal	GE, PH, SY	MPC100P38S ⁵
	100M	M90	MED-PAR38	10000	6500	NA	N	Universal	GE, PH, SY	MPC100P38F ⁵
	100M	M90	MED-PAR38	10000	6500	NA	N	Universal	GE, SY	MPC100P38W ⁵
	HIGH PRESSURE SODIUM	35S	S76	MED-ED17	16000	2150	1935	Y	Universal	GE, PH, SY
35S		S76	MED-ED17	16000	2250	2025	N	Universal	GE, PH, SY	LU35M
50S		S68	MED-ED17	24000	3800	3420	Y	Universal	GE, PH, SY	LU50M/C
50S		S68	MED-ED17	24000	4000	3600	N	Universal	GE, PH, SY	LU50M
50S		S68	MED-ED23.5	24000	3800	3420	Y	Universal	GE, PH, SY	LU50C
50S		S68	MED-ED23.5	24000	4000	3600	N	Universal	GE, PH, SY	LU50
70S		S62	MED-ED17	24000	5800	4900	Y	Universal	SY, PH, GE	LU70M/C
70S		S62	MED-ED17	24000	6300	5350	N	Universal	SY, PH, GE	LU70M
70S		S62	MED-ED23.5	24000	5500	4900	Y	Universal	SY, PH, GE	LU70C
70S		S62	MED-ED23.5	24000	6300	5500	N	Universal	SY, PH, GE	LU70
100S		S54	MED-ED17	24000	8800	7500	Y	Universal	SY, PH, GE	LU100M/C
100S		S54	MED-ED17	24000	9500	8000	N	Universal	SY, PH, GE	LU100M
100S		S54	MED-ED23.5	24000	8800	7500	Y	Universal	SY, PH, GE	LU100C
100S		S54	MED-ED23.5	24000	9500	8000	N	Universal	SY, PH, GE	LU100
150S		S55	MED-ED17	24000	14500	12300	Y	Universal	SY, PH, GE	LU150M/C
150S		S55	MED-ED17	24000	15800	13400	N	Universal	SY, PH, GE	LU150M
150S		S55	MOG-ED23.5	24000	14000	12500	Y	Universal	SY, GE	LU150C
150S		S55	MOG-ED23.5	24000	16000	13800	N	Universal	SY, PH, GE	LU150
200S		S66	MOG-BT18	24000	22000	19800	N	Universal	SY, PH, GE	LU200
250S		S50	MOG-BT28	24000	26000	23400	Y	Universal	SY	LU250C
250S		S50	MOG-BT18	24000	27000	24300	N	Universal	PH, GE, SY	LU250
310S		S67	MOG-BT18	24000	37000	32300	N	Universal	SY, GE	LU310
400S		S51	MOG-BT37	24000	47500	40000	Y	Universal	SY, GE	LU400C
400S	S51	MOG-BT18	24000	50000	45000	N	Universal	SY, PH, GE	LU400	
600S	S106	MOG-T15	24000	90000	81000	N	Universal	GE, SY, PH	LU600	
750S	S111	MOG-BT37	24000	105000	94500	N	Universal	SY, GE	LU750	
1000S	S52	MOG-E25	24000	130000	124000	N	Universal	SY, PH, GE	LU1000	
WHITE SON HIGH PRESSURE SODIUM	50SDW	S104	MED-BD17	10000	2350	2000	Y	Universal	PH	WS50M/C
	50SDW	S104	PG12-T10	10000	2300	2070	N	Universal	PH	WS50P
	100SDW	S105	MED-BD17	10000	4900	4170	Y	Universal	PH	WS100M/C
	100SDW	S105	PG12-T10	10000	5000	4250	N	Universal	PH	WS100P

Notes

- 1 GE=General Electric; SY=OSRAM SYLVANIA; PH=Philips; VE=Venture.
- 2 To specify a manufacturer, add manufacturer to item number. Example: MC100M/CU GE.

- 3 For use in enclosed rated fixtures only.
- 4 For use in open or enclosed rated fixtures.
- 5 S= Sport; F=Flood; W=Wide flood

HIGH INTENSITY DISCHARGE

Ballast Selection Guide

Metal Halide and High Pressure Sodium Ballasts

The characteristics of high pressure sodium and metal halide high intensity discharge lamps require a ballast for controlling voltage and current to operate the lamp at its proper wattage. Lamps that are not operated within the optimal performance range will not produce proper light output or experience full life. There are several ballast types to choose that will provide proper control, but offer differing lamp wattage regulation, voltage dip tolerance, watts loss and cost.

CWA – Constant Wattage Autotransformer Ballast¹

- Operates metal halide and high pressure sodium lamps
- 175W, 250W, 400W, 1000W metal halide and 100W, 200W, 250W, 400W, 1000W high pressure sodium lamps
- Input line voltage 120V, 208V, 240V, 277V, 347V, 480V
- Voltage dip tolerance; 30%
- Moderate watts loss
- Two coils with mid-size core
- Regulation $\pm 10\%$ line voltage / $\pm 10\%$ lamp wattage
- Crest factor 1.7 to 1.8
- Metal halide ballasts rated to operate mercury lamps; 175W, 250W, 400W, 1000W only
- Ideal for manufacturing and assembly type areas, general industrial, recreational and retail

CWI – Constant Wattage Isolated Ballast¹

- Operates 250W, 400W, 1000W metal halide and 150W, 200W, 250W, 400W high pressure sodium lamps
- Isolated 2-coil system meets Canadian electrical code requirements for 208V and 240V applications in Canada
- Input line voltage 120V, 208V, 240V, 480V
- Voltage dip tolerance; 30%
- Moderate watts loss
- Regulation $\pm 10\%$ line voltage / $\pm 10\%$ lamp wattage
- Crest factor 1.7 to 1.8
- Adds increased safety during lamp replacement

MRB - Magnetic Regulator Ballast

- Operates 70-400W high pressure sodium lamps
- Isolated 3-coil system meets Canadian electrical code requirements for 208V and 240V applications
- Input line voltage 120V, 240V, 277V, 480V
- Voltage dip tolerance; 50%
- High watts loss
- Excellent regulation $\pm 10\%$ line voltage / $\pm 3\%$ lamp wattage
- Crest factor 1.5
- Ideal for heavy industrial application or areas with voltage dips and spikes

HX – High Reactance

- Operates 70W, 100W, 150W metal halide and 50W, 70W, 100W, 150W high pressure sodium
- Input line voltage 120V, 277V, 347V
- Low watts loss
- Regulation $\pm 5\%$ line voltage / $\pm 12\%$ lamp wattage
- Crest factor 1.5
- HPF high power factor 90%+ (standard)
- NPF normal power factor 50%+ (available)
- Starting current higher than operating

Pulse Start Metal Halide Ballasts

Pulse start metal halide lamps provide higher lumens per watt and up to 15% better mean lumens than standard probe start lamps with an additional 15% gain in combination with electronic ballasts. These lamps have different operating characteristics that require different ballast designs with an igniter to generate a starting pulse of 2,000 to 3,000 volts. Pulse start lamps will start quicker and reach full brightness sooner during cold and hot starts.

SCWA – Super Constant Wattage Autotransformer

SCWI – SCWA Isolated Ballast

- Operates 150W, 175W, 200W, 250W, 320W, 350W, 400W, 450W, 750W, 875W, 1000W pulse start metal halide lamps
- Input line voltage 120V, 208V, 240V, 277V, 347V, 480V
- SCWI isolated 2-coil system meets Canadian electrical code requirements 400W only – 120V, 208V, 240V only
- Voltage dip tolerance; 45%
- Moderate watts loss
- Regulation $\pm 10\%$ line voltage / $\pm 10\%$ lamp wattage
- Crest factor 1.6
- Ideal for manufacturing and assembly type areas, general industrial, recreational and retail

RLB – Regulated Lag Ballast

- Operates 175W, 250W, 400W, 450W pulse start metal halide lamps (450W for 277V only)
- Input line voltage 120V, 208V, 240V, 277V, 347V, 480V
- Voltage dip tolerance; 50%
- High watts loss
- Excellent regulation $\pm 10\%$ line voltage / $\pm 3-7\%$ lamp wattage
- Crest factor 1.5
- Ideal for heavy industrial application or areas with voltage dips and spikes

HEB - Electronic Pulse Start Ballast

- Operates 320W, 350W, 400W pulse start metal halide lamps
- Auto-sensing input line voltage 200V to 277V 50/60Hz
- Voltage dip tolerance; 56%, automatically reduce lamp power 50% for dip below 180V
- Low watts loss – energy-saving ballast
- 0-10VDC dimming control 50% to 100% lamp power
- Total harmonic distortion 15% maximum
- Excellent regulation $\pm 10\%$ line voltage / $\pm 0.5\%$ lamp wattage
- Ideal for clean manufacturing and assembly type areas, institutional, recreational and retail

Notes

- 1 For metal halide 175 – 450W Shipped outside U.S. territories.

HIGH INTENSITY DISCHARGE

Ballast Testing

1. HID Open-Circuit and Short-Circuit Test Limits

BALLAST	WATTAGE	ANSI NUMBER	RMS VOLTAGE	SECONDARY SHORT CIRCUIT CURRENT AMPS
METAL HALIDE BALLASTS	70	M85	210–250	0.85–1.30
	100	M90	250–300	1.15–1.76
	150	M81	220–260	1.75–2.60
	175	M57	285–320	1.50–1.90
	250	M80	230–270	2.90–4.30
	250	M58	285–320	2.20–2.85
	400	M59	285–320	3.50–4.50
	2–400 (ILO)	2–M59	285–320	3.50–4.50
	2–400 (Series)	2–M59	600–665	3.30–4.30
HIGH PRESSURE SODIUM BALLASTS*	1000	M47	400–445	4.80–6.15
	1500	M48	400–445	7.40–9.60
	35	S76	110–130	0.85–1.45
	50	S68	110–130	1.50–2.30
	70	S62	110–130	1.60–2.90
	100	S54	110–130	2.45–3.80
	150	S55	110–130	3.50–5.40
	150	S56	200–250	2.00–3.00
	200	S66	200–230	2.50–3.70
	250	S50	175–225	3.00–5.30
LOW PRESSURE SODIUM BALLASTS	310	S67	155–190	3.80–5.70
	400	S51	175–225	5.00–7.60
	1000	S52	420–480	5.50–8.10
	18	L69	300–325	0.30–0.40
	35	L70	455–505	0.52–0.78
	55	L71	455–505	0.52–0.78
LOW PRESSURE SODIUM BALLASTS	90	L72	455–525	0.80–1.20
	135	L73	645–715	0.80–1.20
	180	L74	645–715	0.80–1.20

* Caution: Always disconnect the ignitor before measuring the output voltage of high pressure sodium ballasts. High voltage starting pulses can damage commonly used multi-meters.

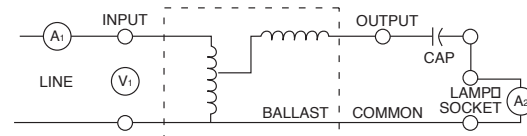
2. HID Short-Circuit Lamp Current

To ensure the ballast is delivering the proper current under lamp starting conditions, a measurement may be taken by connecting an ammeter between the lamp socket center pin and the socket shell with rated input voltage applied to the ballast. If available, a socket adapter may be used.

1. Energize ballast with proper rated input voltage.
2. Measure current with ammeter at A_1 and A_2 as shown.
3. Readings must be within test limits shown.

When using a clamp-on ammeter for this measurement, be certain the meter is not near the magnetic field of the ballast or any steel member which might distort the magnetic field.

Short-Circuit Current Test



When short-circuit lamp current test results in high, low or no reading:

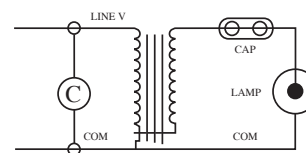
Further checks should be made to determine whether cause is attributable to improper supply voltage, shorted or open capacitor or inoperative ballast. Checks may be made as follows:

- **Supply Voltage Check**
Measure line voltage. If ballast is multi-voltage unit make certain input voltage connection is made to proper input voltage terminal or lead.
- **Capacitor Check**
Verify capacitor rating is as required and shown on ballast label.
- **Ballast Check**
Perform open-circuit voltage test to ensure operation within the RMS range shown in the table to the left.

3. HID Ballast Continuity Testing

Continuity of Primary Coil

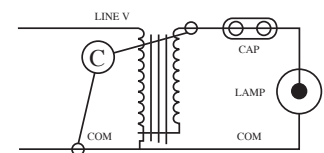
1. Disconnect ballast from power supply and discharge the capacitor.
2. Check for continuity of ballast primary coil between input leads.



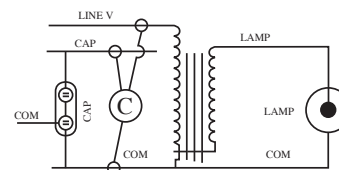
Between Common and Line Leads.

Continuity of Secondary Coil

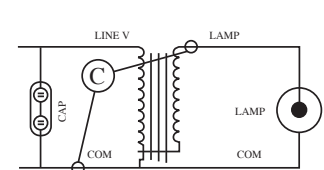
1. Disconnect ballast from power supply and discharge the capacitor.
2. Check for continuity of ballast secondary coil between lamp and common leads.



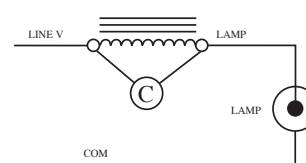
Between Common and Capacitor Leads.



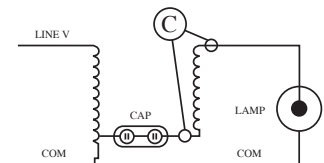
Between Line and Lamp Leads.



Between Common and Lamp Leads.



Between Common and Capacitor Leads.



Between Common and Lamp Leads.

Notes

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HIGH PRESSURE SODIUM

Ballast Data

High pressure sodium ballasts require a magnetic circuit to produce the open-circuit voltage and control the lamp operating current, and a special electronic starting circuit. The electronic starting circuit applies a high voltage pulse across the lamp to initiate the arc. The pulse continues to fire at each half cycle until the arc is established, at which time it shuts off.

HIGH PRESSURE SODIUM												
WATTAGE	ANSI CODE	BALLAST	POWER FACTOR	WIRING DIAGRAM	REGULATION LINEV=LAMPW	MINIMUM STARTING AMBIENT	PRIMARY VOLTAGE	DROPOUT VOLTAGE	STARTING CURRENT	OPERATING CURRENT	OPEN CIRCUIT CURRENT	INPUT WATTAGE
35	S76	R	NPF	H1	±5%=±12%	-40C/-40F	120	96	1.35	0.84	NIL	46
	S76	R	HPF	H2	±5%=±12%	-40C/-40F	120	96	0.78	0.38	0.68	46
50	S68	R	NPF	H1	±5%=±12%	-40C/-40F	120	96	1.80	1.18	NIL	62
	S68	R	HPF	H2	±5%=±12%	-40C/-40F	120	96	0.95	0.75	1.00	62
	S68	HX	HPF	H5	±5%=±12%	-40C/-40F	120/277	96/225	0.65/0.30	0.61/0.26	1.20/0.44	66
70	S62	R	NPF	H1	±5%=±12%	-40C/-40F	120	96	2.10	1.60	NIL	86
	S62	R	HPF	H2	±5%=±12%	-40C/-40F	120	96	0.90	0.75	1.30	86
	S62	HX	HPF	H5	±5%=±12%	-40C/-40F	120/277	96/222	0.9/0.35	0.81/0.35	1.45/0.70	91
	S62	HX	HPF	H4	±5%=±12%	-40C/-40F	208	155	0.50	0.48	0.90	94
	S62	HX	HPF	H4	±5%=±12%	-40C/-40F	240	180	0.44	0.41	0.80	94
	S62	HX	HPF	H4	±5%=±12%	-40C/-40F	347	275	0.25	0.29	0.60	94
	S62	HX	HPF	H4	±5%=±12%	-40C/-40F	480	385	0.21	0.20	0.40	94
	S62	CWA	HPF	H3	±10%=±10%	-40C/-40F	120/277	80/184	0.85/0.36	0.85/0.36	0.18/0.08	95
	S62	CWI	HPF	H6	±10%=±10%	-40C/-40F	120/240	90/180	0.50/0.25	0.86/0.43	0.5/0.25	95
	S62	CWI	HPF	H6	±10%=±10%	-40C/-40F	208	156	0.30	0.50	0.30	95
	S62	MRB	HPF	H9	±10%=±3%	-40C/-40F	120/240	85/165	0.45/0.20	0.90/0.50	0.60/0.30	103
	100	S54	R	NPF	H1	±5%=±12%	-40C/-40F	120	95	3.10	2.10	NIL
S54		R	HPF	H2	±5%=±12%	-40C/-40F	120	95	1.50	1.05	1.80	117
S54		HX	HPF	H5	±5%=±12%	-40C/-40F	120/277	96/222	1.30/0.6	1.14/0.49	2.20/0.95	130
S54		HX	HPF	H4	±5%=±12%	-40C/-40F	208	166	0.75	0.66	1.30	130
S54		HX	HPF	H4	±5%=±12%	-40C/-40F	240	192	0.65	0.57	1.10	130
S54		HX	HPF	H4	±5%=±12%	-40C/-40F	347	275	0.45	0.39	0.70	130
S54		HX	HPF	H4	±5%=±12%	-40C/-40F	480	385	0.35	0.28	0.60	130
S54		CWA	HPF	H3	±10%=±10%	-40C/-40F	120/277	90/208	0.80/0.35	1.20/0.50	0.65/0.25	138
S54		CWA	HPF	H3	±10%=±10%	-40C/-40F	480	360	0.20	0.30	0.15	138
S54		CWI	HPF	H6	±10%=±10%	-40C/-40F	120/240	90/180	0.70/0.35	1.22/0.61	0.70/0.35	130
S54		CWI	HPF	H6	±10%=±10%	-40C/-40F	208	156	0.40	0.70	0.40	130
S54		MRB	HPF	H9	±10%=±3%	-40C/-40F	120/240	75/150	1.00/0.50	1.20/0.60	0.44/0.22	138
S54		MRB	HPF	H9	±10%=±3%	-40C/-40F	277	185	0.21	0.60	0.45	138
S54		MRB	HPF	H9	±10%=±3%	-40C/-40F	480	330	0.12	0.30	0.25	138
150	S55	R	NPF	H1	±5%=±12%	-40C/-40F	120	95	4.50	3.20	NIL	171
	S55	R	HPF	H2	±5%=±12%	-40C/-40F	120	95	2.25	1.50	2.40	171
	S55	HX	HPF	H5	±5%=±12%	-40C/-40F	120/277	96/222	2.00/0.88	1.66/0.72	3.00/1.30	189
	S55	HX	HPF	H4	±5%=±12%	-40C/-40F	208	166	1.15	0.96	1.65	189
	S55	HX	HPF	H4	±5%=±12%	-40C/-40F	240	192	1.00	0.83	1.45	189
	S55	HX	HPF	H4	±5%=±12%	-40C/-40F	347	280	0.53	0.57	1.00	189
	S55	HX	HPF	H4	±5%=±12%	-40C/-40F	480	385	0.50	0.44	0.72	189
	S55	CWA	HPF	H3	±10%=±10%	-40C/-40F	120/277	90/208	0.96/0.42	1.70/0.70	0.96/0.42	190
	S55	CWA	HPF	H3	±10%=±10%	-40C/-40F	480	360	0.24	0.50	0.24	190
	S55	CWI	HPF	H6	±10%=±10%	-40C/-40F	120/240	90/180	0.90/0.45	1.76/0.88	1.00/0.50	190
	S55	CWI	HPF	H6	±10%=±10%	-40C/-40F	208	156	0.50	1.01	0.60	190
	S55	MRB	HPF	H9	±10%=±3%	-40C/-40F	120/240	75/150	1.40/0.70	1.70/0.90	1.60/0.80	196
200	S66	CWA	HPF	H3	±10%=±10%	-40C/-40F	120	75	1.50	2.22	1.30	240
	S66	CWA	HPF	H3	±10%=±10%	-40C/-40F	208	130	0.90	1.28	0.75	240
	S66	CWA	HPF	H3	±10%=±10%	-40C/-40F	240	150	0.75	1.11	0.65	240
	S66	CWA	HPF	H3	±10%=±10%	-40C/-40F	277	180	0.65	0.96	0.60	240
	S66	CWA	HPF	H3	±10%=±10%	-40C/-40F	347	230	0.55	0.75	0.38	245
	S66	CWA	HPF	H3	±10%=±10%	-40C/-40F	480	300	0.41	0.56	0.35	245
	S66	MRB	HPF	H9	±10%=±3%	-40C/-40F	120/240	55/110	0.80/0.40	2.20/1.10	1.50/0.75	255
	S66	MRB	HPF	H9	±10%=±3%	-40C/-40F	480	220	0.20	0.55	0.38	255

HIGH PRESSURE SODIUM												
WATTAGE	ANSI CODE	BALLAST	POWER FACTOR	WIRING DIAGRAM	REGULATION LINEV=LAMPW	MINIMUM START-ING AMBIENT	PRIMARY VOLTAGE	DROPOUT VOLTAGE	STARTING CURRENT	OPERATING CURRENT	OPEN CIRCUIT CURRENT	INPUT WATTAGE
250	S50	CWA	HPF	H3	±10%=±10%	-40C/-40F	120	90	2.00	2.50	1.70	295
	S50	CWA	HPF	H3	±10%=±10%	-40C/-40F	208	160	1.20	1.50	1.00	295
	S50	CWA	HPF	H3	±10%=±10%	-40C/-40F	240	180	1.00	1.30	0.85	295
	S50	CWA	HPF	H3	±10%=±10%	-40C/-40F	277	210	0.85	1.10	0.75	295
	S50	CWA	HPF	H3	±10%=±10%	-40C/-40F	347	260	0.75	0.90	0.70	300
	S50	CWA	HPF	H3	±10%=±10%	-40C/-40F	480	360	0.44	0.65	0.46	310
	S50	CWI	HPF	H6	±10%=±10%	-40C/-40F	120/240	90/180	1.20/0.60	2.75/1.38	1.50/0.75	300
	S50	CWI	HPF	H6	±10%=±10%	-40C/-40F	208	156	0.70	1.60	0.87	300
	S50	MRB	HPF	H9	±10%=±3%	-40C/-40F	120/240	55/110	1.00/0.50	2.70/1.45	1.80/0.90	310
	S50	MRB	HPF	H9	±10%=±3%	-40C/-40F	277	120	0.45	1.20	0.75	310
310	S67	CWA	HPF	H3	±10%=±10%	-40C/-40F	120	90	1.70	3.40	1.80	365
	S67	CWA	HPF	H3	±10%=±10%	-40C/-40F	208	156	0.89	1.95	1.00	365
	S67	CWA	HPF	H3	±10%=±10%	-40C/-40F	240	180	0.85	1.70	0.90	365
	S67	CWA	HPF	H3	±10%=±10%	-40C/-40F	277	208	0.75	1.45	0.80	365
	S67	CWA	HPF	H3	±10%=±10%	-40C/-40F	480	360	0.41	0.90	0.45	365
	S67	MRB	HPF	H9	±10%=±3%	-40C/-40F	120/240	40/80	1.30/0.75	3.30/1.70	1.20/0.60	380
	S67	MRB	HPF	H9	±10%=±3%	-40C/-40F	480	175	0.37	0.90	0.30	380
400	S51	CWA	HPF	H3	±10%=±10%	-40C/-40F	120	90	3.30	3.80	2.00	464
	S51	CWA	HPF	H3	±10%=±10%	-40C/-40F	208	156	1.80	2.20	1.20	464
	S51	CWA	HPF	H3	±10%=±10%	-40C/-40F	240	180	1.60	1.90	0.95	464
	S51	CWA	HPF	H3	±10%=±10%	-40C/-40F	277	210	1.40	1.70	0.85	464
	S51	CWA	HPF	H3	±10%=±10%	-40C/-40F	347	260	1.10	1.36	0.70	465
	S51	CWA	HPF	H3	±10%=±10%	-40C/-40F	480	360	0.75	1.00	0.60	467
	S51	CWI	HPF	H6	±10%=±10%	-40C/-40F	120/240	90/180	2.00/1.00	4.20/2.10	2.00/1.00	465
	S51	CWI	HPF	H6	±10%=±10%	-40C/-40F	208	156	1.15	2.40	1.15	465
	S51	CWI	HPF	H6	±10%=±10%	-40C/-40F	480	330	0.68	0.93	0.46	446
	S51	MRB	HPF	H9	±10%=±3%	-40C/-40F	120/240	45/90	2.00/1.00	4.20/2.10	2.20/1.10	490
	S51	MRB	HPF	H9	±10%=±3%	-40C/-40F	277	105	0.85	1.80	0.95	490
600	S106	CWA	HPF	H3	±10%=±10%	-40C/-40F	120	65	5.20	5.50	3.00	670
	S106	CWA	HPF	H3	±10%=±10%	-40C/-40F	208	110	3.00	3.30	1.75	670
	S106	CWA	HPF	H3	±10%=±10%	-40C/-40F	240	130	2.60	2.90	2.60	670
	S106	CWA	HPF	H3	±10%=±10%	-40C/-40F	277	140	2.15	2.50	1.40	665
	S106	CWA	HPF	H3	±10%=±10%	-40C/-40F	347	160	1.70	2.00	1.10	665
	S106	CWA	HPF	H3	±10%=±10%	-40C/-40F	480	250	1.20	1.43	0.75	665
750	S111	CWA	HPF	H3	±10%=±10%	-40C/-40F	120	90	6.30	6.75	3.00	840
	S111	CWA	HPF	H3	±10%=±10%	-40C/-40F	208	156	3.70	4.00	1.75	840
	S111	CWA	HPF	H3	±10%=±10%	-40C/-40F	240	180	3.20	3.50	1.60	840
	S111	CWA	HPF	H3	±10%=±10%	-40C/-40F	277	208	3.00	3.10	1.50	840
	S111	CWA	HPF	H3	±10%=±10%	-40C/-40F	347	260	2.30	2.50	1.20	840
1000	S52	CWA	HPF	H3	±10%=±10%	-40C/-40F	120	90	6.40	9.50	4.80	1100
	S52	CWA	HPF	H3	±10%=±10%	-40C/-40F	208	156	3.80	5.50	2.70	1100
	S52	CWA	HPF	H3	±10%=±10%	-40C/-40F	240	180	3.20	4.75	2.40	1100
	S52	CWA	HPF	H3	±10%=±10%	-40C/-40F	277	208	2.80	4.15	2.20	1100
	S52	CWA	HPF	H3	±10%=±10%	-40C/-40F	347	260	2.20	3.30	1.10	1100
	S52	CWA	HPF	H3	±10%=±10%	-40C/-40F	480	360	1.60	2.30	0.90	1100

METAL HALIDE

Ballast Data

Metal halide lamps are available in two varieties: PROBE START lamps, which rely on a high lamp current crest factor, a high ballast open-circuit voltage and a starting electrode to initiate the arc; and PULSE START lamps, which contain no starting electrode and rely on an ignitor in the ballast to initiate the arc.

HAZARD WARNING – USE OF METAL HALIDE LAMPS

These lamps can cause serious skin burn and eye inflammation from ultraviolet radiation if the outer envelope of the lamp is broken or punctured and the arc-tube continues to operate. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain types of lamps that will automatically extinguish when the outer envelope is broken are commercially available.



The Energy Independence and Security Act (EISA) established ballast efficiency standards for 150 – 500W luminaires. This legislation became effective January 1, 2009. For further information go to www.acuitybrandslighting.com/EISA

HIGH INTENSITY DISCHARGE/METAL HALIDE BALLAST-DATA												
WATTAGE	ANSI CODE	BALLAST	POWER FACTOR	WIRING DIAGRAM	REGULATION LINEV=LAMPW	MINIMUM STARTING AMBIENT	PRIMARY VOLTAGE	DROPOUT VOLTAGE	STARTING CURRENT	OPERATING CURRENT	OPEN CIRCUIT CURRENT	INPUT WATTAGE
50	M110	R	NPF		±5%=±12%	-30C/-20F	277	190	0.68	0.62	NIL	62
	M110	R	HPF	M5	±5%=±12%	-30C/-20F	277	190	0.35	0.22	0.55	62
	M110	HX	HPF	M1	±5%=±12%	-30C/-20F	120/277	90/208	0.60/0.25	0.66/0.28	1.00/0.45	72
	M110	HX	HPF	M1	±5%=±12%	-30C/-20F	208	150	0.51	0.35	0.67	67
	M110	HX	HPF	M1	±5%=±12%	-30C/-20F	240	175	0.47	0.30	0.57	67
70	M98	R	NPF		±5%=±12%	-30C/-20F	277	190	1.15	90.00	NIL	85
	M98	R	HPF	M5	±5%=±12%	-30C/-20F	277	190	0.50	0.32	0.80	85
	M98	HX	HPF	M1	±5%=±12%	-30C/-20F	120/277	90/208	0.55/0.25	0.85/0.37	1.90/0.80	88
	M98	HX	HPF	M1	±5%=±12%	-30C/-20F	208	156	0.30	0.49	1.00	88
	M98	HX	HPF	M1	±5%=±12%	-30C/-20F	240	180	0.25	0.42	0.90	88
100	M98	HX	HPF	M1	±5%=±12%	-30C/-20F	347	260	0.20	0.30	0.65	88
	M90	R	HPF	M5	±5%=±12%	-30C/-20F	277	190	0.70	0.45	1.05	118
	M90	HX	HPF	M1	±5%=±12%	-30C/-20F	120/277	90/208	1.15/0.50	1.15/0.50	2.60/1.15	130
	M90	HX	HPF	M1	±5%=±12%	-30C/-20F	208	156	0.66	0.66	1.50	130
	M90	HX	HPF	M1	±5%=±12%	-30C/-20F	240	180	0.58	0.58	1.30	130
150	M90	HX	HPF	M1	±5%=±12%	-30C/-20F	347	260	0.40	0.40	1.00	130
	M90	HX	HPF	M1	±5%=±12%	-30C/-20F	480	340	0.30	0.30	0.55	132
	M90	CWA	HPF	M4	±10%=±10%	-30C/-20F	120/277	60/140	0.80/0.35	1.20/0.50	1.05/0.45	128
	M102	HX	HPF	M1	±5%=±12%	-30C/-20F	120/277	90/208	0.95/0.42	1.60/0.70	3.65/1.58	185
	M102	HX	HPF	M1	±5%=±12%	-30C/-20F	208	156	0.55	0.90	2.10	185
175	M102	HX	HPF	M1	±5%=±12%	-30C/-20F	240	180	0.50	0.80	1.80	185
	M102	HX	HPF	M1	±5%=±12%	-30C/-20F	347	260	0.65	0.55	1.25	185
	M102	SCWA	HPF	M4	±10%=±10%	-30C/-20F	120/277	90/210	0.95/0.40	1.75/0.76	1.40/0.60	189
	M102	SCWA	HPF	M4	±10%=±10%	-30C/-20F	347	260	0.40	0.76	0.60	189
	M57	CWA	HPF	M2	±10%=±10%	-30C/-20F	120	60	1.40	1.90	1.80	213
200	M57	CWA	HPF	M2	±10%=±10%	-30C/-20F	208	104	0.80	1.10	1.04	213
	M57	CWA	HPF	M2	±10%=±10%	-30C/-20F	240	120	0.70	0.95	0.90	213
	M57	CWA	HPF	M2	±10%=±10%	-30C/-20F	277	138	0.60	0.85	0.80	213
	M57	CWA	HPF	M2	±10%=±10%	-30C/-20F	347	173	0.50	0.65	0.75	211
	M57	CWA	HPF	M2	±10%=±10%	-30C/-20F	480	220	0.35	0.45	0.51	210
	M137	SCWA	HPF	M7	±10%=±10%	-40C/-40F	120	60	1.10	1.80	2.09	208
	M137	SCWA	HPF	M7	±10%=±10%	-40C/-40F	208	104	0.75	1.05	1.26	208
	M137	SCWA	HPF	M7	±10%=±10%	-40C/-40F	240	120	0.65	0.93	1.02	208
	M137	SCWA	HPF	M7	±10%=±10%	-40C/-40F	277	138	0.55	0.83	0.96	208
	M137	SCWA	HPF	M7	±10%=±10%	-40C/-40F	347	155	0.30	0.65	0.70	208
	M137	SCWA	HPF	M7	±10%=±10%	-40C/-40F	480	212	0.25	0.45	0.50	208
	M137	RLB	HPF	M6	±10%=±3%	-40C/-40F	120	84	1.00	2.00	1.25	220
	M137	RLB	HPF	M6	±10%=±3%	-40C/-40F	277	195	0.43	0.87	0.54	220
	M137	RLB	HPF	M6	±10%=±3%	-40C/-40F	347	243	0.35	0.69	0.43	220
	M137	RLB	HPF	M6	±10%=±3%	-40C/-40F	480	336	0.25	0.50	0.31	220
250	M136	SCWA	HPF	M7	±10%=±10%	-40C/-40F	120	60	0.85	2.10	2.50	240
	M136	SCWA	HPF	M7	±10%=±10%	-40C/-40F	208	104	0.50	1.20	1.45	240
	M136	SCWA	HPF	M7	±10%=±10%	-40C/-40F	240	120	0.45	1.05	1.25	240
	M136	SCWA	HPF	M7	±10%=±10%	-40C/-40F	277	138	0.35	0.95	1.10	240
	M136	SCWA	HPF	M7	±10%=±10%	-40C/-40F	347	215	0.55	0.78	0.87	240
	M136	SCWA	HPF	M7	±10%=±10%	-40C/-40F	480	240	0.20	0.50	0.50	232
	M136	RLB	HPF	M6	±10%=±3%	-40C/-40F	277	138	0.60	0.90	0.50	244
	M58	CWA	HPF	M2	±10%=±10%	-30C/-20F	120	60	2.20	2.60	2.40	298
	M58	CWA	HPF	M2	±10%=±10%	-30C/-20F	208	104	1.30	1.50	1.40	298
	M58	CWA	HPF	M2	±10%=±10%	-30C/-20F	240	120	1.10	1.30	1.20	298
	M58	CWA	HPF	M2	±10%=±10%	-30C/-20F	277	138	1.00	1.10	1.05	298
	M58	CWA	HPF	M2	±10%=±10%	-30C/-20F	347	174	0.80	0.90	0.95	295
	M58	CWA	HPF	M2	±10%=±10%	-30C/-20F	480	260	0.50	0.65	0.64	298
	M58	CWI	HPF	M3	±10%=±10%	-30C/-20F	120/240	60/120	0.90/0.45	2.66/1.33	2.00/1.00	295
	M58	CWI	HPF	M3	±10%=±10%	-30C/-20F	208	105	0.50	1.54	1.20	295
300	M138	SCWA	HPF	M7	±10%=±10%	-40C/-40F	120	60	1.90	2.50	2.15	291
	M138	SCWA	HPF	M7	±10%=±10%	-40C/-40F	208	104	1.10	1.45	1.25	291
	M138	SCWA	HPF	M7	±10%=±10%	-40C/-40F	240	120	0.96	1.25	1.05	291
	M138	SCWA	HPF	M7	±10%=±10%	-40C/-40F	277	138	0.85	1.10	0.95	291
	M138	SCWA	HPF	M7	±10%=±10%	-40C/-40F	347	180	0.62	0.98	0.75	300
	M138	SCWA	HPF	M7	±10%=±10%	-40C/-40F	480	240	0.45	0.60	0.60	291
	M138	RLB	HPF	M6	±10%=±3%	-40C/-40F	120	84	1.00	2.78	2.31	298
	M138	RLB	HPF	M6	±10%=±3%	-40C/-40F	240	165	0.50	1.38	1.15	298
	M138	RLB	HPF	M6	±10%=±3%	-40C/-40F	277	195	0.43	1.20	1.00	298
	M138	RLB	HPF	M6	±10%=±3%	-40C/-40F	347	243	0.35	0.95	0.80	298
	M138	RLB	HPF	M6	±10%=±3%	-40C/-40F	480	336	0.25	0.69	0.58	298

HIGH INTENSITY DISCHARGE/METAL HALIDE BALLAST DATA												
WATTAGE	ANSI CODE	BALLAST	POWER FACTOR	WIRING DIAGRAM	REGULATION LINEV-LAMPW	MINIMUM STARTING AMBIENT	PRIMARY VOLTAGE	DROPOUT VOLTAGE	STARTING CURRENT	OPERATING CURRENT	OPEN CIRCUIT CURRENT	INPUT WATTAGE
320	M132	SCWA	HPF	M7	±10%±10%	-40C/-40F	120	65	2.10	3.25	2.30	368
	M132	SCWA	HPF	M7	±10%±10%	-40C/-40F	208	115	1.20	1.90	1.15	368
	M132	SCWA	HPF	M7	±10%±10%	-40C/-40F	240	130	1.05	1.65	2.30	368
	M132	SCWA	HPF	M7	±10%±10%	-40C/-40F	277	150	0.90	1.40	1.00	368
	M132	SCWA	HPF	M7	±10%±10%	-40C/-40F	347	173	0.70	1.10	1.30	370
350	M131	SCWA	HPF	M7	±10%±10%	-40C/-40F	480	280	0.45	0.85	1.00	368
	M131	SCWA	HPF	M7	±10%±10%	-40C/-40F	120	70	2.40	3.40	2.20	400
	M131	SCWA	HPF	M7	±10%±10%	-40C/-40F	208	120	1.40	2.00	1.30	400
	M131	SCWA	HPF	M7	±10%±10%	-40C/-40F	240	140	1.20	1.70	1.10	400
	M131	SCWA	HPF	M7	±10%±10%	-40C/-40F	277	160	1.05	1.50	1.00	400
400	M131	SCWA	HPF	M7	±10%±10%	-40C/-40F	347	190	0.85	1.20	1.30	400
	M131	SCWA	HPF	M7	±10%±10%	-40C/-40F	480	240	0.60	0.90	1.00	400
	M59	CWA	HPF	M2	±10%±10%	-30C/-20F	120	60	3.50	4.00	3.00	458
	M59	CWA	HPF	M2	±10%±10%	-30C/-20F	208	104	2.00	2.30	1.75	458
	M59	CWA	HPF	M2	±10%±10%	-30C/-20F	240	120	1.75	2.00	1.50	458
	M59	CWA	HPF	M2	±10%±10%	-30C/-20F	277	138	1.50	1.75	1.30	458
	M59	CWA	HPF	M2	±10%±10%	-30C/-20F	347	175	1.20	1.40	1.35	460
	M59	CWA	HPF	M2	±10%±10%	-30C/-20F	480	240	0.90	1.00	0.90	462
	M59	CWI	HPF	M3	±10%±10%	-30C/-20F	120	60	1.30	4.20	4.10	465
	M59	CWI	HPF	M3	±10%±10%	-30C/-20F	208	104	0.75	2.45	2.40	465
	M59	CWI	HPF	M3	±10%±10%	-30C/-20F	240	120	0.65	2.10	2.05	465
	M59	CWI	HPF	M3	±10%±10%	-30C/-20F	277	138	0.60	1.70	1.80	462
	M59	CWI	HPF	M3	±10%±10%	-30C/-20F	347	174	0.50	1.35	1.45	462
	M59	CWI	HPF	M3	±10%±10%	-30C/-20F	480	165	0.38	1.00	1.05	465
	M135	SCWA	HPF	M7	±10%±10%	-40C/-40F	120	60	2.85	3.90	3.05	454
	M135	SCWA	HPF	M7	±10%±10%	-40C/-40F	208	105	1.65	2.25	1.85	454
	M135	SCWA	HPF	M7	±10%±10%	-40C/-40F	240	125	1.45	1.95	1.55	454
	M135	SCWA	HPF	M7	±10%±10%	-40C/-40F	277	140	1.25	1.70	1.40	454
	M135	SCWA	HPF	M7	±10%±10%	-40C/-40F	347	174	1.10	1.35	1.40	454
	M135	SCWA	HPF	M7	±10%±10%	-40C/-40F	480	280	0.75	1.00	0.95	454
M135	SCWI	HPF	M4	±10%±10%	-40C/-40F	120	60	1.30	4.20	3.80	455	
M135	SCWI	HPF	M4	±10%±10%	-40C/-40F	208	104	0.75	2.40	2.20	455	
M135	SCWI	HPF	M4	±10%±10%	-40C/-40F	240	120	0.65	2.10	1.90	455	
M135	RLB	HPF	M6	±10%±3%	-40C/-40F	120	65	1.85	3.95	2.40	465	
M135	RLB	HPF	M6	±10%±3%	-40C/-40F	208	113	1.10	2.30	1.40	465	
M135	RLB	HPF	M6	±10%±3%	-40C/-40F	240	130	0.95	2.00	1.20	465	
M135	RLB	HPF	M6	±10%±3%	-40C/-40F	277	150	0.70	1.72	1.25	465	
M135	RLB	HPF	M6	±10%±3%	-40C/-40F	347	185	0.55	1.35	0.90	467	
M135	RLB	HPF	M6	±10%±3%	-40C/-40F	480	250	0.40	1.00	0.70	465	
450	M144	SCWA	HPF	M7	±10%±10%	-40C/-40F	120	75	3.20	4.40	3.76	510
	M144	SCWA	HPF	M7	±10%±10%	-40C/-40F	208	130	1.80	2.60	2.26	510
	M144	SCWA	HPF	M7	±10%±10%	-40C/-40F	240	150	1.60	2.20	1.90	510
	M144	SCWA	HPF	M7	±10%±10%	-40C/-40F	277	170	1.40	1.90	1.71	510
	M144	SCWA	HPF	M7	±10%±10%	-40C/-40F	347	220	1.10	1.50	0.90	505
750	M144	RLB	HPF	M6	±10%±3%	-40C/-40F	480	270	0.80	1.12	1.40	514
	M149	SCWA	HPF	M7	±10%±10%	-40C/-40F	277	110	0.70	2.00	1.25	530
	M149	SCWA	HPF	M7	±10%±10%	-40C/-40F	120	70	5.20	7.10	5.15	825
	M149	SCWA	HPF	M7	±10%±10%	-40C/-40F	208	125	3.05	4.10	2.95	825
	M149	SCWA	HPF	M7	±10%±10%	-40C/-40F	240	145	2.35	3.55	2.55	825
1000	M149	SCWA	HPF	M7	±10%±10%	-40C/-40F	277	165	2.25	3.10	2.20	825
	M149	SCWA	HPF	M7	±10%±10%	-40C/-40F	347	230	1.80	2.50	1.70	820
	M149	SCWA	HPF	M7	±10%±10%	-40C/-40F	480	310	1.40	1.80	1.10	822
	M47	CWA	HPF	M2	±10%±10%	-30C/-20F	120	84	7.80	9.00	5.65	1080
	M47	CWA	HPF	M2	±10%±10%	-30C/-20F	208	146	4.00	5.20	3.25	1080
	M47	CWA	HPF	M2	±10%±10%	-30C/-20F	240	168	3.70	4.50	2.80	1080
	M47	CWA	HPF	M2	±10%±10%	-30C/-20F	277	194	3.20	3.90	2.45	1080
	M47	CWA	HPF	M2	±10%±10%	-30C/-20F	347	243	2.50	3.20	1.80	1080
	M47	CWA	HPF	M2	±10%±10%	-30C/-20F	480	336	1.90	2.30	1.55	1080
	M47	CWI	HPF	M3	±10%±10%	-30C/-20F	208	125	1.65	5.30	3.25	1080
	M47	CWI	HPF	M3	±10%±10%	-30C/-20F	240	145	1.30	4.80	3.20	1080
	M141	SCWA	HPF	M7	±10%±10%	-30C/-20F	120	84	7.80	9.00	5.65	1080
M141	SCWA	HPF	M7	±10%±10%	-30C/-20F	208	146	4.00	5.20	3.25	1080	
M141	SCWA	HPF	M7	±10%±10%	-30C/-20F	240	168	3.70	4.50	2.80	1080	
M141	SCWA	HPF	M7	±10%±10%	-30C/-20F	277	194	3.20	3.90	2.45	1080	
M141	SCWA	HPF	M7	±10%±10%	-30C/-20F	347	230	2.25	3.20	1.75	1075	
M141	SCWA	HPF	M7	±10%±10%	-30C/-20F	480	320	1.65	2.35	1.30	1080	
1500	M48	CWA	HPF	M2	±10%±10%	-30C/-20F	120	80	6.35	14.30	9.40	1615
	M48	CWA	HPF	M2	±10%±10%	-30C/-20F	208	140	3.65	8.30	5.40	1615
	M48	CWA	HPF	M2	±10%±10%	-30C/-20F	240	160	3.20	7.20	4.70	1615
	M48	CWA	HPF	M2	±10%±10%	-30C/-20F	277	185	2.75	6.20	4.05	1615
	M48	CWA	HPF	M2	±10%±10%	-30C/-20F	347	230	4.60	4.80	1.70	1615
M48	CWA	HPF	M2	±10%±10%	-30C/-20F	480	320	2.00	3.50	2.30	1625	

Important Indoor Metal Halide Fixture Information


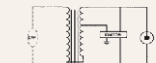

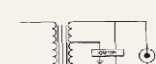

Lithonia Lighting only accepts orders for indoor metal halide products that can use either ANSI Type-E (enclosed) or ANSI Type-S (suitable) rated lamps if those fixtures also have a tempered glass lens. This means all indoor metal halide products with open reflectors or with

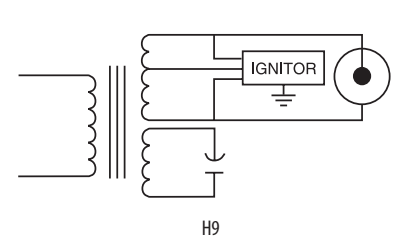
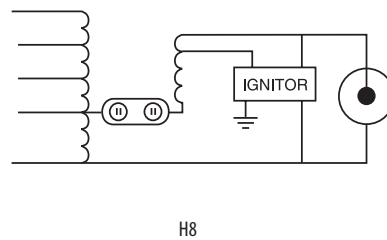
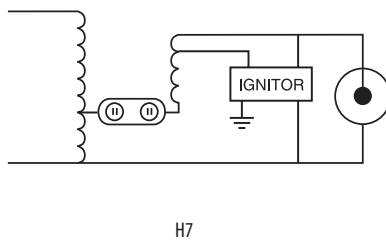
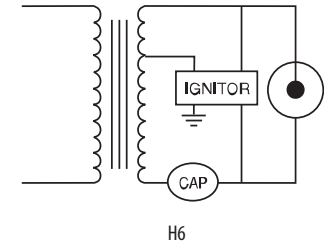
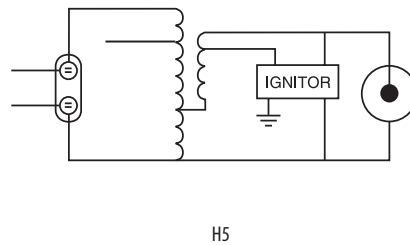
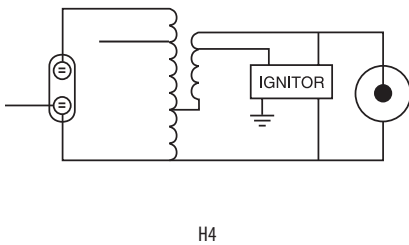
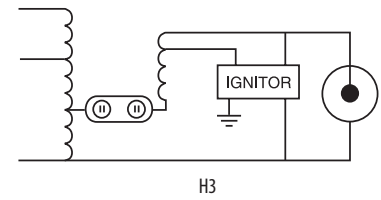
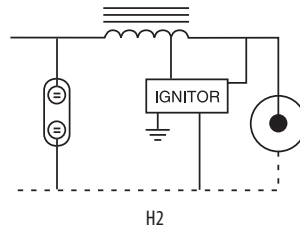
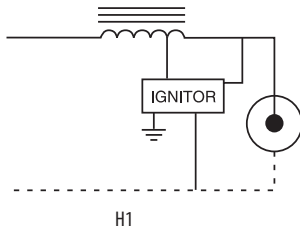
acrylic or polycarbonate lenses are only available with protected (pink) sockets. Though occurrence of non-passive lamp rupture events is infrequent relative to the large installed base of open and plastic-lensed fixtures, and can be minimized by following the lamp manufacturers'

instructions, Lithonia Lighting recommends only two alternatives for indoor metal halide fixtures, including those currently installed:
 1. Use a product with a tempered glass lens.
 2. Use an open-rated lamp.

HIGH PRESSURE SODIUM

Ballast Circuit Data

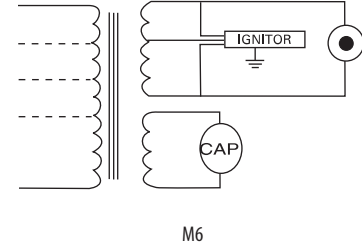
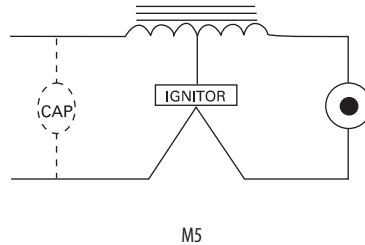
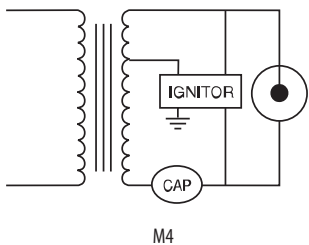
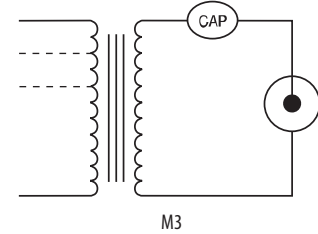
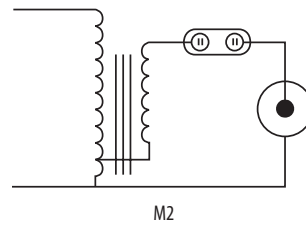
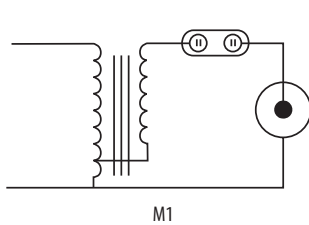
BALLAST	AVAILABLE INPUT WATTAGE & VOLTAGE	MAXIMUM INPUT CURRENT	POWER FACTOR	REGULATION (+/- INPUT VOLTAGE = +/- LAMP WATTAGE)	INPUT WATTS LOSS	CREST FACTOR
 Reactor	50W, 70W, 100W, 150W; 120V only	Higher than operating	50% NPF Standard 90% + HPF Optional	+/-5% = +/-12%	Low	1.4 to 1.5
 High-Reactance Autotransformer	50W; 120V or 277V 70W, 100W, 150W; 120V, 277V, or 347V	Higher than operating	90% + HPF	+/-5% = +/-12%	Medium	1.5
 Constant Wattage Autotransformer (CWA)	70W, 100W, 150W; 120V or 277V 200W, 250W, 310W, 400W, 600W, 750W, 1000W; 120V, 277V, or 347V	Operating	90% + HPF	+/-10% = +/-10%	Medium to High	1.7 to 1.8
 Constant Wattage Isolated (CWI)	70W, 100W, 150W, 250W, 400W; 120V, 208V or 240V	Operating	90% + HPF	+/-10% = +/-10%	Medium to High	1.7 to 1.8
 Magnetic Regulator (MRB)	70W; 120V or 240V 100W, 150W, 250W, 400W; 120V, 240V, 277V or 480V 200W, 310W; 120V or 480V	Operating	90% + HPF	+/-10% = +/-10%	High	1.7 to 1.8



METAL HALIDE

Ballast Circuit Data

BALLAST	AVAILABLE INPUT WATTAGE & VOLTAGE	MAXIMUM INPUT CURRENT	POWER FACTOR	REGULATION (+/- INPUT VOLTAGE = +/- LAMP WATTAGE)	INPUT WATTS LOSS	CREST FACTOR
High-Reactance Autotransformer (Pulse Start)	50W; 120V or 277V 70W, 100W, 150W; 120V, 277V, or 347V	Higher than operating	90% + HPF	+/-5% = +/-12%	Medium	1.5
Constant Wattage Autotransformer (CWA)	175W, 250W, 400W, 1000W; 120V, 277V, or 347V	Operating	90% + HPF	+/-10% = +/-10%	Medium to High	1.7 to 1.8
Super Constant Wattage Autotransformer (SCWA) (Pulse Start)	100W, 120V, or 177V 150W; 120V, 277V or 347V 175W; 120V, or 347V 200W, 250W, 320W, 350W, 400W, 450W; 120V, 277V, or 347V	Operating	90% + HPF	+/-10% = +/-10%	Medium to High	1.6
Constant Wattage Isolated (CWI)	250W; 120V, 208V, or 240V 400W; 120V, 208V, 240V, 277V, or 347V 1000W; 208V or 240V	Operating	90% + HPF	+/-10% = +/-10%	Medium to High	1.7 to 1.8
Super Constant Wattage Isolated (SCWI) (Pulse Start)	400W; 120V, 208V, or 240V	Operating	90% + HPF	+/-10% = +/-10%	Medium to High	1.6
Regulated Lag (RLB) (Pulse Start)	175W; 120V, 277V, 347V or 480V 200W, 450W; 277V only 250W, 400W; 120V, 240V, 277V, 347V or 480V	Operating	90% + HPF	+/-10% = +/-10%	High	1.6



Notes

Undergrounded power distribution systems may carry transient line voltages under fault conditions. Because high transients can cause premature ballast and lamp failures, it is not recommended that luminaires be operated on any 480V or other ungrounded systems.

The ballast serves for basic functions:

- 1 Transforms the line voltage to the required lamp operating voltage.
- 2 Limits the lamp operating current.
- 3 Provides the open-circuit starting voltage characteristics required to start the lamp.
- 4 Regulates the lamp wattage for a variation in power supply input voltage.

For M7 Super CWA Pulse Start Circuit Diagram, see H7 HPS Circuit Diagram.

Ingress Protection

The IEC (International Electrotechnical Commission) uses the term "International Protection" or IP to define the environmental protection of an enclosure. This is described in IEC Standard 529. The IP rating system designates, by means of a two-digit number, the degree of

protection against ingress of dust and moisture. The first digit defines the level of protection against solid objects, while the second digit defines the level of protection against moisture. The higher the digit, the greater is the level of protection.

FIRST DIGIT: DEGREE OF PROTECTION AGAINST SOLID OBJECTS	SECOND DIGIT: DEGREE OF PROTECTION AGAINST WATER
0 Non-protected	0 Non-protected
1 Protected against a solid object greater than 50mm such as a hand	1 Protected against water dripping vertically
2 Protected against a solid object greater than 12mm such as a finger	2 Protected against dripping water when incident up to 15° from vertical
3 Protected against a solid object greater than 2.5mm such as a wire or a tool	3 Protected against water spraying at an angle of up to 60°
4 Protected against a solid object greater than 1.0mm such as a wire or thin strip	4 Protected against water splashing from any direction
5 Dust-protected. Prevents ingress of dust sufficient to cause harm	5 Protected against jets of water from any direction
6 Dust-tight. No dust ingress.	6 Protected against heavy seas or powerful jets in harmful quantities
	7 Protected against harmful ingress of water when immersed between a depth of 150mm and 1 meter
	8 Protected against submersion. Suitable for continuous immersion in water

Protection Against Moisture

UL and CSA define several levels of protection against moisture damage to a luminaire. These definitions describe the space in which the luminaire is intended to operate without damage to the electrical or mechanical components from the environment. These definitions cover pure water protection only, not damage protection from acidic or alkaline conditions.

Dry Location – A location not normally subject to dampness, but may include a location subject to temporary dampness as in the case of a building under construction, provided that ventilation is adequate to prevent an accumulation of moisture.

Damp Location – An exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, and includes partially protected locations.

Wet Location – A location in which water may drip, splash, or flow on or against electrical equipment. A wet location fixture is constructed so that water cannot enter or accumulate in the wireway, lampholders or other electrical parts. Wet location does not mean *hosedown*. A rating for low-pressure (100psi) or high-pressure (200psi) hosedown is an additional option.

Hazardous Areas

Hazardous areas are locations where atmospheres may be exposed to the release of flammable dusts, vapors or gases in explosive concentrations. The National Electrical Code requires that these areas be classified and sets rules for the types of luminaires that may be installed in them. Luminaires are typed in Article 500 of the NEC as Class I, Class II and Class III locations.

All electrical equipment must be tested and listed (or approved) by class, division and group for use in each respective area. The hazardous materials defined in each of these classifications are:

Class I, Flammable gases or vapors; Class II, Combustible dust and Class III, Combustible fibers or flyings. Each class is subdivided into two divisions depending on the likelihood that the hazard will be present. Division 1 applies to an area where the hazardous condition would normally exist, while Division 2 applies to an area where there is a potential for the hazardous condition to exist.

Each classification also is subdivided by groups representing the types of gas or dust that will or might be present. Gases fall into Groups A, B, C or D. Dusts fall into Groups E, F or G. There is no group subdivision for fibers or flyings.

Environmental Constraints

Lighting equipment must be chosen from the listing for the class, group and division of the hazardous material present in the areas where they are to be used. Improper application of a luminaire can result in fire or explosion, which could cause serious injury or death to the occupants. Classification of these areas within a plant must be made prior to selection of the light source and luminaire type.

CLASS	DIVISION	GROUP
I GAS	1. Area where gases or vapors are normally present	A. Acetylene
	2. Area where gases or vapors are handled or stored but are normally confined	B. Hydrogen C. Ethyl ether, etc. D. Gasoline, natural gas, etc.
II DUST	1. Area where combustible dust is always present	E. Metal dust
	2. Area where combustible dust may be present	F. Carbon black, coal dust, etc. G. Flour or grain
III FIBERS	1. Production areas 2. Handling or storage areas	Atmospheres containing wood, textile or synthetic fibers

Food Processing

Sanitation is a critical part of the food processing industry. Because of this, a thorough cleaning and sanitizing program must be incorporated into the food production process. High-pressure wash-down with hot water and/or sanitation chemicals may approach 1000-psi nozzle pressure. Lighting fixtures must be designed and manufactured so as not to leak, corrode, harbor bacteria, or cause fires or electrical problems. Lamps must be protected so if they break, glass or other materials shall not contaminate the food production area.

The National Sanitation Foundation (NSF) is a not-for-profit, independent, third-party certifier of products and systems for conformity with consensus and official regulations and specifications, industry standards, and product-specific test protocols. NSF requires that all materials, which could come in contact with food products, meet the stringent requirements of the Federal Food, Drug, and Cosmetic Act (FDA). In order to determine its suitability for use in food processing and food handling areas, the equipment and the manufacturer must pass a stringent series of tests. NSF performs all tests in their own laboratories.

Lighting equipment falls under the NSF C-2 listing procedure (Special Equipment and/or devices). The C-2 procedure has protocols that analyze the physical design of, the specific properties of each substance used in the manufacture of, and the fabrication of the fixture. In addition, NSF investigates the reliability of the manufacturer and the manufacturing process as it relates to the listed product.

There are three certifiable locations for equipment used in food processing.: Non-food Zone, Splash Zone and Food Zone. Only the first two are applicable to lighting fixtures. These zones are defined in the following NSF table:

NSF CERTIFICATION	DESCRIPTION OF LOCATION/USE AND COMMENTARY	TYPICAL LIGHTING APPLICATIONS
NON-FOOD ZONE	Areas where direct contact with food products during normal operations would not be expected. Equipment is located outside the normal wash-down area. There is a concern that the fixture will add contamination to the protected space or food product (i.e. cleanability – will the finish withstand cleaning, chipping paint, deteriorating paints or finishes, lens impact resistance, lamp glass breakage, etc.)	Kitchens; food storage; dry process areas; damp process areas – no drip possibility.
SPLASH ZONE	Areas where direct contact with food products during normal operations would not be expected; however, the fixture may be situated such that liquids used in the processing or cleaning procedures, may splash, spill or otherwise soil – either intentionally or inadvertently – the surface of the fixture. Then there is the potential for dripping or draining onto other surfaces or even the process. Since these fixtures often are used in wash-down areas, a wet-location listing is not sufficient. Fixtures must be tested to withstand high-pressure hose wash-down. The concerns of non-food zone also apply.	Wet or damp process areas; high pressure purging or decontamination used in the process; area using hose wash-down.
FOOD ZONE	Areas where direct contact with food products is normally expected and surfaces from which the food may drip, drain, or splash back onto surfaces normally in contact with food. Equipment other than lighting fixtures typically require this certification (i.e. work tables, cutting boards, other direct contact equipment).	Category not typically used for lighting.

Cleanrooms

A cleanroom is a room in which the concentration of airborne particles is controlled to specified limits. These particles can be in the form of dust, spores, vapors, skin flakes, hair fragments etc. If present in a sensitive environment, they can destroy or severely alter products being manufactured. To keep contamination to a minimum, a cleanroom must be designed and constructed according to very strict guidelines, and the lighting fixtures selected need to maintain the integrity of the space.

Cleanrooms are classified according to the number and size of particles found in a given cubic measure of space. Particle limits are set forth by Federal Standard 209E and, more recently, by ISO standards 14644-1 and 14644-2. Because these ISO standards are international

in scope and are directly impacted by ISO 9000 and ISO 14000 certification criteria, they often are accepted as replacing Federal Standard 209E classes. Both of these standards refer to the maximum allowable number of particles of a given diameter per cubic area of measure, but differ in describing both the size particle and the area of concentration. Also different under each system are procedures for testing and measuring these environments, both initially and for ongoing conformance.

In order to achieve a Class 1 or Class 10 (Federal Standard 209E) or ISO Class 3 or Class 4 level, laminar airflow design is incorporated into the cleanroom. Laminar airflow moves all air in a vertical or a horizontal pattern through the space. With vertical airflow, the entire

ceiling system consists of high-efficiency particulate air (HEPA) filters or ultra-low penetration air (ULPA) filters, which screen out 99.995% and 99.999% of the particles respectively. All incoming purified air moves in a vertical pattern through the ceiling, down to a raised, ducted floor, and back up through the outer walls. With horizontal laminar flow, the same principle is used with a horizontal pattern and filtered walls.

As the process in the cleanroom becomes less critical, greater quantities of particles may be present in the air without causing problems in the manufacturing process. Thus, the class of the cleanroom may be higher. Federal Standard 209E will determine the class of cleanroom required for the activity to be performed.

ISO Classification

Selected ISO airborne particulate cleanliness classes for cleanrooms and clean zones.

CLASSIFICATION NUMBER	MAXIMUM CONCENTRATION LIMITS (PARTICLES/M ³ OF AIR) FOR PARTICLES EQUAL TO AND LARGER THAN THE CONSIDERED SIZES BELOW					
	0.1 MICRONS	0.2 MICRONS	0.3 MICRONS	0.5 MICRONS	1.0 MICRONS	5.0 MICRONS
ISO 1	10	2	—	—	—	—
ISO 2	100	24	10	4	—	—
ISO 3	1,000	237	102	35	8	—
ISO 4	10,000	2,370	1,020	352	53	—
ISO 5	100,000	23,700	10,200	3,520	832	29
ISO 6	1,000,000	237,000	102,000	35,200	8,320	293
ISO 7	—	—	—	352,000	83,200	2,930
ISO 8	—	—	—	3,520,000	832,000	29,300
ISO 9	—	—	—	35,200,000	8,320,000	293,000

Federal Standard 209E

CLEANROOM CLASS		AIRBORNE PARTICLE SIZE/LIMITS									
		0.1 MICRONS		0.2 MICRONS		0.3 MICRONS		0.5 MICRONS		5.0 MICRONS	
English	SI	(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)
1	M1.5	35	1,240	7.5	265	3	106	1	35	—	—
10	M2.5	350	12,400	75	2,650	30	1,060	10	353	—	—
100	M3.5	—	—	750	26,500	300	10,600	100	3,530	—	—
1,000	M4.5	—	—	—	—	—	—	1,000	35,300	7	247
10,000	M5.5	—	—	—	—	—	—	10,000	353,000	70	2,470
100,000	M6.5	—	—	—	—	—	—	100,000	3,530,000	700	24,700

ACRYLIC ENVIRONMENTAL COMPATIBILITY

Not Acceptable

Certain chemicals that may exist in end-user locations release airborne contaminants that can impact the integrity and safety of key fixture components that contain acrylic material. Immediate damage may occur such as crazing, cracking, permeation losses and mechanical failure. Products with visually noticeable deterioration have diminished integrity and must be replaced immediately with a more suitable product for the application.

The following tables identify the most common chemicals and is not intended to be all-inclusive. Exposure to compounds identified as "Not Acceptable" will void all warranties associated with the product. Acrylic components should not be used in areas where these chemicals are used and where these chemicals become mists or airborne vapors. Ensure that chemical interactions are considered when selecting fixtures. For additional information please consult an authorized factory representative.

NOT ACCEPTABLE		
Acetaldehyde, 100%	Cloves	Methyl Naphthalene
Acetates	Coffee	Methyl Salicylate
Acetic Acid, Glacial, 100%	Cosmoline Removers	Methylamine
Acetic Anhydride	Cresol	Methylene Dichloride
Acetone	Cyclohexane	Mineral Oil
Acetonitrile	Cyclohexanone	Motor Fuel Mixture, with Benzene
Acetophenone	Cyclohexene	Nail Polish
Acrylic paints	Detergent Solution	Naphtha
Alcohol, Allyl	Diacetone Alcohol	n-butyrac Acid, 100%
Alcohol, Amyl	Diamyl Phthalate	Nitric Acid, 40%
Alcohol, Benzyl	Dibutyl Sebacate	Nitric Acid, 70%
Alcohol, Ethyl, 100%	Diethyl Ether	Nitrobenzene
Alcohol, Ethyl, 50%	Dimethyl Formamide	n-Octane
Alcohol, Isopropyl, 100%	Dioctyl Sebacate	Paint Removers
Alcohol, Methyl, 10%	Dioxane	Paint Thinner
Alcohol, Methyl, 100%	Ether	Perchloroethylene
Alcohol, Methyl, 50%	Ethyl Acetate	Petroleum Ether (100-120C)
Alcohol, n-butyl	Ethyl Alcohol, Concentrated	Phenois
Amyl Acetate	Ethyl Bromide	Phenol, Aqueous, 5%
Aniline	Ethyl Butyrate	Phosphoric Acid, 95% @ 20C
Aviation Fuel (100 Octane)	Ethylene Bromide	Phthalates
Bathroom Cleaners	Ethylene Dibromide	Pyridine
Benzaldehyde	Ethylene Oxide (Moist)	Soap Solution
Benzene	Glass Cleaners	Sodium Carbonate, 2%
Benzoic Aldehyde	Glycol	Sodium Carbonate, 20%
Brake Fluid	Hydrogen Peroxide, 28%	Sodium Phosphate
Bromine Gas	Hydrogen Peroxide, 3%	Sulfur Dioxide, Liquid
Butanol	Iron Perchloride	Sulfuric Acid, 98%
Butraldehyde	Isoctane	Sulfurous Acid, Concentrated
Butyl Acetyl Ricinoleate	Isopropyl alcohol	Tea
Butyl Stearate	Lacquer Thinner	Tincture of Iodine, 5%
Carbolic Acid	Lactic Acid Butyl Ester	Toluene
Carbon Disulfide	Mercury Chloride	Transformer Oil
Carbon Disulfide	Meta-Cresol	Trichloroethane
Cellulose Paints	Methanol, 15%	Trichloroacetic Acid
Chlorinated Hydrocarbons	Methanol, Concentrated	Trichloroethylene
Chlorinated Solvents	Methyl Benzoate	Turpentine
Chlorine Gas	Methyl Chloride	Unleaded Gasoline
Chlorophenol	Methyl Cyclohexanol	Vegetable Oil
Chromic Acid, 40%	Methyl Ethyl Ketone	Xylene

ACRYLIC ENVIRONMENTAL COMPATIBILITY

Acceptable

ACCEPTABLE		
2-Ethylhexyl Sebacate	Glycerol	Potassium Dichromate, 10%
Acetic Acid, 5%	Heptane	Potassium Hydroxide @ 20C
Ammonia-based Cleaners	Hexane	Potassium Permanganate
Ammonia Gas	Hydrochloric Acid, 38%	Potassium Sulfite
Ammonium Hydroxide, 28%	Kerosene	Power Steering Fluid
Ammonium Nitrate	Lactic Acid	Propylene
Ammonium Phosphate	Metal Carbonates	Pure-oil Paints
Aniseed, Bay leaves, Nutmeg	Metal Chlorides	Silicone Oil
Anti-freeze	Metal Sulfates	Silver Nitrate
Beer	Methane gas	Soap Suds
Bleaching Powder Paste	Milk	Soda
Bleaching Powder Solution, 2%	Milk, Chocolate	Sodium Chloride, 10%
Calcium Hypochlorite	Motor Fuel Mixture, without Benzene	Sodium Cyanide
Car Wash Detergent	Motor Oil	Sodium Fluoride
Carbon Dioxide Gas	Natural Gas	Sodium Hydroxide, 60%
Carbon Monoxide Gas	Nitric Acid, 10%	Sodium Nitrate
Caustic Potash	Nitrogen Dioxide Gas	Sodium Thiosulphate, 40%
Chlorine Based Cleaners	Nitrogen Monoxide Gas	Stearic Acid
Chlorine, Aqueous, 2%	Olefric Carbolic Acids	Sulfur Dioxide, Dry Gas
Citric Acid, 10%	Oleic Acid	Sulfuric Acid, 30%
Coffee	Olive Oil	Sulfurous Acid, 5%
Cooking Oil	Oxalic Acid, 100%	Tararic Acid, 50%
Cottonseed Oil	Oxygen Gas	Transmission Fluid
Diethylene Glycol	Ozone Gas	Tricresyl Phosphate
Epoxy Adhesives	Paraffin, Medicinal	Triethyl Amine
Ethyl Alcohol, 15%	Pepper, Cinnamon, Onions	Vinegar
Ethylene Glycol E	Phosphoric Acid, 10% @ 20C	Water, Mineral Water
Ethylene Oxide (Dry)	Photographic Baths	Wax Polish
Ferric Chloride, Aqueous, 10%	Polishing Compounds	White Spirit
Formaldehyde, Aqueous, 40%	Potassium Chlorate	Whitewash
Fruit Juice	Potassium Cyanide	Wine

The statements, technical information and recommendations obtained herein are believed to be accurate as of June 1, 2009. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Acuity Brands Lighting expressly disclaims any and all liability. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The user should thoroughly test any application before commercialization.

Rating is based on visual appearance at ambient temperature 68°F, 50% humidity.

Consult factory where applicable.

All technical information is believed to be accurate as of June 1, 2009.

ARCHITECTURAL COLORS

Lithonia Lighting has expanded its Architectural Color offering. With over 200 colors to choose from, you are sure to find a color that will fit your aesthetic criteria. This broad selection offers both smooth and textured finishes.

Current powder coating technology provides polyester-based compound combining the flexibility, impact resistance and corrosion protection of epoxies with the weather resiliency normally associated with brittle acrylics. Series 49 RAL colors are weather resistant TGIC polyester powder coatings. The finish is smooth glossy with an 80-90+ gloss level. Series 38 or other RAL finishes such as mattes or metallics will be considered custom-blended colors.

Additionally, Lithonia Lighting can match any custom color to a sample paint chip. A sample of the custom-blended finish will be provided by Lithonia for final approval. Lead times for these colors will be extended due to the custom match and approval process.




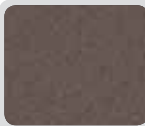



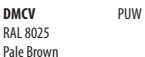
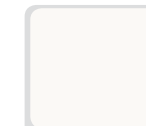
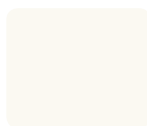

New, enhanced ordering logic now applies to architectural colors. To specify any of the colors indicated in this chart, simply add the Lithonia Lighting nomenclature or RAL number (i.e. RAL 3016) to your fixture nomenclature.



LITHONIA STANDARD COLORS

Notes

These colors were reproduced to give a representative sample of finished product color. Some colors, however, may vary slightly from actual appearance due to printing variations and limitations. Please always contact a Lithonia Lighting representative for an accurate paint chip sample.

 DBLG RAL 7016 Anthracite Grey	 PQU	 DBLH RAL 7021 Black Grey	 PQV	 DBNF RAL 7022 Umbrage Grey	 PTT	 DMCN RAL 7023 Concrete Grey	 PUQ	 DSPD TEXTURED Dark Grey	 P77	 DBLJ RAL 7024 Graphite Grey	 PQW	 DGC LITHONIA Charcoal Gray	 P32	 DBLK RAL 7026 Granite Grey	 POX
 DBNK RAL 7030 Stone Grey	 PBL	 DMCP RAL 7031 Blue Grey	 PUR	 DCRN RAL 7032 Pebble Grey	 PGE	 DMCQ RAL 7033 Cement Grey	 PUS	 DCRP RAL 7034 Yellow Grey	 PWC	 DGYL RAL 7035 Light Grey	 PGH	 DNA LITHONIA Natural Aluminum	 P07	 DGYB RAL 7036 Platinum Grey	 PSX
 DMCR RAL 7037 Dusty Grey	 PFU	 DMCS RAL 7038 Agate Grey	 PUT	 DBNL RAL 7039 Quartz Grey	 PTW	 DGYG RAL 7040 Window Grey	 PTE	 DSPA RAL 7042 Traffic Grey A	 PUR	 DCGL RAL 7043 Traffic Grey	 PE7	 DCRH RAL 7044 Silk Grey	 PRU	 DCPS RAL 7045 Telegrey 1	 PC6
 DCPT RAL 7046 Telegrey 2	 PC7	 DCGJ RAL 7047 Telegrey 4	 PLZ	 DBNN RAL 8000 Green Brown	 PQC	 DBNP RAL 8001 Ochre Brown	 PNX	 DBNQ RAL 8002 Signal Brown	 POJ	 DBNR RAL 8003 Clay Brown	 PQK	 DBNS RAL 8004 Copper Brown	 PNL	 DSPF TEXTURED Rust	 P79
 DBNT RAL 8007 Fawn Brown	 PQL	 DBNU RAL 8008 Olive Brown	 PQM	 DBNV RAL 8011 Nut Brown	 PQN	 DBNW RAL 8012 Red Brown	 PQP	 DBNE RAL 8014 Sepia Brown	 PTS	 DBNM RAL 8015 Chestnut Brown	 PTX	 DBNX RAL 8016 Mahogany Brown	 PQQ	 DBNB RAL 8017 Chocolate Brown	 PTN
 DBLL RAL 8019 Grey Brown	 PQY	 DBNH TEXTURED Bronze	 P74	 DDB LITHONIA Dark Bronze	 P50	 DBLM RAL 8022 Black Brown	 PQZ	 DMCT RAL 8023 Orange Brown	 PUU	 DMCU RAL 8024 Beige Brown	 PUV	 DMB LITHONIA Medium Bronze	 P11	 DMCV RAL 8025 Pale Brown	 PUW
 DMCW RAL 8028 Terra Brown	 PUX	 DCRB RAL 9001 Cream	 PRM	 DWHD RAL 9002 Grey White	 PRD	 DCRK RAL 9003 Signal White	 PWK	 DBLC RAL 9004 Signal Black	 PQR	 DBLA RAL 9005 Jet Black	 PTY	 DCRJ RAL 9010 Pure White	 PZG	 DWH LITHONIA White	 P21
 DBLD RAL 9011 Graphite Black	 PNT	 DBL LITHONIA Black	 P13	 DCRW RAL 9016 Traffic White	 PWB	 DBLE RAL 9017 Traffic Black	 PQS	 DCRL RAL 9018 Papyrus White	 PGQ						

LITHONIA STANDARD COLORS

															
DCRT RAL 1000 Green Beige	PWP	DCRU RAL 1001 Beige	PWQ	DCRV RAL 1002 Sand Yellow	PWR	DYLC RAL 1003 Signal Yellow	PFS	DYLD RAL 1004 Golden Yellow	PWY	DYLE RAL 1005 Honey Yellow	PWW	DYLF RAL 1006 Maize Yellow	PWX	DYLA RAL 1007 Daffodil Yellow	PRW
															
DCRW RAL 1011 Brown Beige	PWS	DYLG RAL 1012 Lemon Yellow	PWY	DSRG RAL 1013 Oyster White	PWS	DSS LITHONIA Sandstone	P12	DCRX RAL 1014 Ivory	PWT	DCRH RAL 1015 Light Ivory	PWU	DY LH RAL 1016 Suifer Yellow	PWZ	DORB RAL 1017 Saffron Yellow	PXC
															
DYLL RAL 1032 Broom Yellow	PXR	DORD RAL 1033 Dahlia Yellow	PXE	DORE RAL 1034 Pastel Yellow	PXF	DORK RAL 1037 Sun Yellow	PCS	DORF RAL 2000 Yellow Orange	PXG	DRDF RAL 2001 Red Orange	PXQ	DRDG RAL 3002 Vermillion	PXR	DORH RAL 2003 Pastel Orange	PXJ
															
DRDH RAL 2004 Pure Orange	PFD	DORJ RAL 2008 Bright Red Orange	PXK	DORG RAL 2009 Traffic Orange	PC1	DORT RAL 2010 Signal Orange	PXL	DORL RAL 2011 Deep Orange	PXM	DORM RAL 2012 Salmon Orange	PXU	DRDB RAL 3000 Flame Red	PSG	DRDC RAL 3001 Signal Red	PFY
															
DBRW RAL 3002 Carmine Red	PC3	DRDJ RAL 3003 Ruby Red	PXS	DBR LITHONIA Bright Red	P34	DSPH TEXTURED Light Red	P80	DRDK RAL 3004 Purple Red	PPS	DRDD RAL 3005 Wine Red	PEY	DRDE RAL 3007 Black Red	PSE	DRDL RAL 3009 Oxide Red	PGB
															
DRDM RAL 3011 Brown Red	PFL	DRND RAL 3012 Beige Red	PXT	DRDP RAL 3013 Tomato Red	PXU	DRDQ RAL 3014 Antique Pink	PXV	DRDR RAL 3015 Light Pink	PXW	DRDS RAL 3016 Coral Red	PQD	DRDT RAL 3017 Rose	PQE	DRDU RAL 3018 Strawberry Red	PQF
															
DORN RAL 3020 Traffic Red	PXP	DRDV RAL 3022 Salmon Pink	PXV	DRDW RAL 3027 Raspberry Red	PQG	DRDX RAL 3031 Orient Red	PQH	DSPG TEXTURED Dark Red	P81	DPUC RAL 4001 Red Lilac	PUY	DPUD RAL 4002 Red Violet	PVZ	DPUE RAL 4003 Heather Violet	PVA
															
DPUA RAL 4004 Claret Violet	PMD	DPUF RAL 4005 Blue Lilac	PUA	DPUJ RAL 4006 Traffic Purple	PUD	DPUB RAL 4007 Purple Violet	PME	DPUG RAL 4008 Signal Violet	PUB	DPUH RAL 4009 Pastel Violet	PUC	DBRX RAL 4010 Telemagenta	PC4	DBUE RAL 5000 Violet Blue	PCH

LITHONIA STANDARD COLORS

DBUF RAL 5001 Green Blue	PX1 DBUG RAL 5002 Ultramarine Blue	PSL DBUA RAL 5003 Sapphire Blue	PXZ DBUH RAL 5004 Black Blue	PLD DBUJ RAL 5005 Signal Blue	PYA DBUK RAL 5007 Brilliant Blue	PVB DBUL RAL 5008 Grey Blue	PYC DBUM RAL 5009 Azure Blue
PSM DBUB RAL 5010 Gentian Blue	PD2 DBUN RAL 5011 Steel Blue	PD3 DBUP RAL 5012 Light Blue	PD4 DBUQ RAL 5013 Cobalt Blue	PSQ DBUR RAL 5014 Pigeon Blue	PBQ DBUS RAL 5015 Sky Blue	PMC DBUV RAL 5017 Traffic Blue	PZ DGRJ RAL 5018 Turquoise Blue
PSP DBUD RAL 5019 Capri Blue	PKZ DGRL RAL 5020 Ocean Blue	PGK DGRK RAL 5021 Water Blue	PD5 DBUT RAL 5022 Night Blue	PC9 DDBB RAL 5023 Distant Blue	PML DBUU RAL 5024 Pastel Blue	PGG DGRD RAL 6000 Patina Green	PD6 DGRM RAL 6001 Emerald Green
PMW DGRN RAL 6002 Leaf Green	PLH DGRP RAL 6003 Olive Green	PGL DGRF RAL 6004 Blue Green	PC8 DGYR RAL 6005 Moss Green	PD7 DGRQ RAL 6006 Gray Green	P33 DTG LITHONIA Tennis Green	PD8 DGRR RAL 6007 Bottle Green	PD9 DGRS RAL 6008 Brown Green
P78 DSPE TEXTURED Green	PKA DGRG RAL 6009 Fir Green	PE1 DGRT RAL 6010 Grass Green	PE2 DGRU RAL 6011 Reseda Green	PKM DGRH RAL 6012 Black Green	PE3 DGRV RAL 6013 Reed Green	PVG DGRW RAL 6014 Yellow Olive	PE4 DGRX RAL 6015 Black Olive
PPF DMCA RAL 6016 Turquoise Green	PUE DMCB RAL 6017 May Green	PUF DMCC RAL 6018 Yellow Green	PUG DMCD RAL 6019 Pastel Green	PUH DMCE RAL 6020 Chrome Green	PFW DGRC RAL 6021 Pale Green	PNV DMCF RAL 6022 Olive Drab	PUJ DMCG RAL 6024 Traffic Green
PUK DMCH RAL 6025 Fern Green	PUL DMCJ RAL 6026 Opal Green	PUM DMCK RAL 6027 Light Green	PGW DGRE RAL 6028 Pine Green	PUN DMCL RAL 6029 Mint Green	PUP DMCM RAL 6032 Signal Green	PD1 DGAN RAL 6033 Mint Turquoise	PVH DBUW RAL 6034 Pastel Turquoise
PNG DGYN RAL 7000 Squirrel Grey	P76 DSPJ TEXTURED Light Gray	PGR DGYM RAL 7001 Silver Grey	PE5 DGYP RAL 7002 Olive Grey	PE6 DGYQ RAL 7003 Moss Grey	PGX DCGK RAL 7004 Signal Grey	PSZ DGYC RAL 7005 Mouse Grey	PC2 DGY5 RAL 7006 Beige Grey
PAJ DGYT RAL 7008 Khaki Grey	PTR DBND RAL 7009 Green Grey	PYZ DGYU RAL 7010 Tarpaulin Grey	PQA DGYV RAL 7011 Iron Grey	PPV DGYW RAL 7012 Basalt Grey	PQB DGYX RAL 7013 Brown Grey	PQT DBLF RAL 7015 Slate Grey	P49 DSB LITHONIA Steel Blue

LITHONIA STANDARD COLORS

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Delivering Lighting that is Good for People and the Environment

Sustainable business practices are fundamental to the operation and success of Acuity Brands. We define “sustainability” as conducting our business balancing economic, environmental and social objectives in ways most likely to create long-term value without taxing the resources on which we depend.

Sustainability: The Acuity Brands commitment to environmental sustainability begins in our own operations. Our Sustainable Operations Council includes representatives from all of our North American facilities with the goal to achieve year-over-year reductions in our use of natural resources. Some specific examples of our accomplishments include:

- Achieved LEED® Silver certification at our Granville, Ohio facility and achieved LEED Gold certification at our New York Center for Light & Space.
- Decreased our overall electricity consumption by 13.4%.
- Reduced 37% of the water used in our paint system by reclaiming water for this process at three facilities.
- Reduced our impact on landfills by 40% by establishing corporate recycling and green procurement standards. Our paper use has been decreased by 47% and revenue from aluminum recycling is contributed to community projects.

Products: Our product brands have a rich history of focusing on lighting solutions that provide real energy reductions. From solid-state LEDs and electronic HID lighting to high-efficiency T5 fluorescent and compact fluorescent, we advance new technologies in lighting.

Packaging: We have worked with various customers to reduce packing and waste on construction sites. We have reduced packaging size, which increases the density of shipments to job sites. Our design teams carefully evaluate the types of materials used for packaging. We also have developed shipping systems that minimize waste and can be returned and reused for future shipments.

Industry Leadership: We provide a variety of tools and services to promote green building. From energy estimators and BIM modeling to renovation contracting services, Acuity Brands understands the requirements for sustainable buildings.

We continue to be an industry leader in the development of outdoor lighting guidelines for communities to reduce light pollution.



Our employees are directly involved with industry groups working to establish energy and environmental standards, such as the ASHRAE/ IESNA Standard 90.1, US Green Building Council, Consortium for Energy Efficiency, Clinton Climate Initiative, Next Generation Lighting Industry Alliance and ENERGY STAR® programs.

www.acuitybrands.com/sustainability

PRODUCT SELECTION GUIDE edition 10



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