

The **One Source** for all Your Healthcare Lighting Needs



Healthcare Solutions

Cooper Lighting Solutions Approach

Designed with comfort, flexibility and energy-efficiency in mind, Cooper Lighting is your one source for healthcare lighting solutions. Our Company is sensitive to the challenges healthcare facilities are facing today and we have designed products that maximize energy efficiency, occupy less space, and are adaptable to different environments.

Cooper Lighting offers the most comprehensive healthcare product line in the marketplace today. From lobbies to exterior applications, and everything in between, Cooper has lighting solutions to meet the specific requirements of hospitals, surgery centers, MRI facilities, and other healthcare environments.



**COOPER** Lighting

This brochure is an overview and guide for healthcare lighting applications and illustrates the extensive product offering available from Cooper Lighting. For additional information, please visit our web site at: www.cooperhealthcaresolutions.com

A Merger of Art and Science

Enhanced aesthetics incorporated into fixture design, as well as the ability for the luminaire to light architecture details, are certainly important. But patient-perceived quality of light and the effects on a healing environment are a critical factor, too. Lighting can and does contribute to improved patient outcomes as well as improved facility safety.

At Cooper Lighting, we understand that effective lighting is a merger between art and science. We are justifiably proud of our in-depth knowledge of lighting trends, energy management requirements and current legislation impacting building codes. In fact, ASHRAE/IESNA 90.1 and the Model Lighting Ordinance legislation are utilized daily in Cooper's Lighting Applications Department.

Cooper Lighting has staff accreditation and certification in numerous lighting disciplines. Commercial Lighting Certifications proudly include:

LEED Accredited Professional – US Green Building Council (USGBC)

NCQLP – National Council on Qualifications for the Lighting Professions, LC Lighting Certified

CLMC – Certified Lighting Management Consultant – (NALMCO)

CLEP – Certified Lighting Efficiency Professional (AEE)



Cooper Lighting's Healthcare Solutions approach...



Lobbies



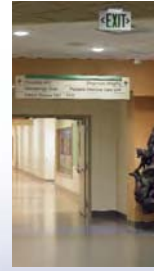
Reception Areas/Waiting Rooms



Examination Rooms



Wayfinding



Corridors



COOPER Lighting

Your One Source for Healthcare Lighting



ICU



Laboratories/Pharmacies



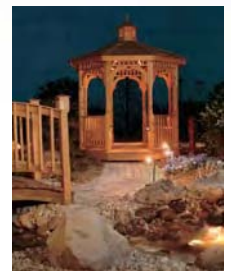
Life Safety



Dining/Kitchens



Healing Gardens/Courtyards



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Patient Rooms

Nurse Stations

MRI and Radiographic Rooms

Surgical Suites

Pediatrics

Nursery/NICU



www.cooperhealthcaresolutions.com



Offices/Conference Rooms

Exterior Site & Area

Parking Garage

Exterior/Entrances

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pg. 20

pg. 21

first impressions

Lobbies

The lobby creates first impressions and helps set expectations for the entire healthcare facility. Here, lighting becomes an integral element for supporting design themes and fostering a strong brand message. Architectural lighting, accent lighting and general lighting all need to be considered when designing these important spaces.

Let our design team help you select the right healthcare lighting for your next project. If daylight harvesting and system integration are important elements of the overall project, we can provide specialized ballasting, controls and sensors along with the proper lighting fixtures.



Photography: Robert Lememeyer



Recessed Downlights Cove Lighting Wall Luminaires

Dulce Health Care Center - Dulce, NM
Photography: Kirk Gittings, Photography



Recessed Downlights
Cove Lighting

Photography: Paul Dyer, Photography











Pendant Luminaires Wall Luminaires



Cove Lighting

Floyd County Memorial Hospital - New Albany, IN
Photography: Wilbur Montgomery, Photography

Products Lobbies

	Surface and Pendant Luminaires . . . 83-90, 74-75, 144-145, 165
	Wall Luminaires 93-100, 125-126, 143, 146
	Recessed Troffers/Parabolics 53-54
	Recessed Downlights 57-64, 67-72
	Architectural Recessed 121, 124, 129-130
	Perimeter Lighting 122
	Cove Lighting 107, 123, 132
	Visual Therapy Luminaires 49-51

greeting

Reception Areas/Waiting Rooms

These small but critical areas in a healthcare setting can set the tone for the entire patient or visitor experience. The wayfinding journey usually begins and ends from here. Greeting, reception and direction as well as visitor accountability are all orchestrated here.

Taking cues from the designs found in today's upscale hotels, these areas often feature grand desks and counters.

Photography: Paul Dyer Photography



Pendant and Suspended Luminaires



Recessed Downlights Wall Luminaires Cove Lighting

Floyd County Memorial Hospital, Wilbur Montgomery Photography

St. Luke's Episcopal Hospital, Photography: Jud Haggard



Wall Luminaires Recessed Downlights

Century City Doctors Hospital - Los Angeles, CA













Cove Lighting

Design Considerations

- Layering of light can create a pleasant and relaxing environment.
- Task lighting and decorative lighting can help provide a welcome entry.
- Using a combination of overhead, recessed and indirect lighting can enliven these areas.⁽¹⁾
- Energy efficient sources and glare-free appearance are important factors to consider:
- Recommended illuminance for these areas is 10 - 30 FC (horizontal) and 3 - 5 FC (vertical).

Products Reception/Waiting Rooms

	Surface and Pendant Luminaires	83-90, 144-145
	Wall Luminaires	93-100, 143, 146
	Surface Luminaires	101-102
	Recessed Troffers	53-54
	Architectural Recessed	55, 121, 124
	Recessed Downlights	57-63
	Track Lighting	76-78
	Perimeter Lighting	122
	Cove Lighting	107, 123, 132
	Suspended Luminaires	110, 113
	Visual Therapy Luminaires	49-51

Sources ⁽¹⁾ Hospital and Healthcare Facility Design second Edition, Richard L. Miller FAIA & Ear S. Swensson FAIA 2002

adaptive

Examination Rooms

Patient evaluation and medical procedures begin in the examination room. Visibility, visual comfort and visual appeal must all be addressed in the lighting design process.

In recent years, architectural design plans for examination rooms have evolved from stark and institutional to comfortable and aesthetically reassuring. Cooper Lighting offers a variety of luminaire options for exam and treatment rooms



Recessed Patient Luminaires

Photography: Feinknopf Photography

Photography: Feinknopf Photography



Recessed Patient and Exam Luminaires Recessed Downlights

Design Considerations

- Indirect lighting and the ability to switch the level of lighting intensity is critical.
- Consider a combination of recessed indirect/direct luminaires and specific task lighting.
- Proper placement of luminaires is critical to avoid veiling reflections in windows and computer monitors.
- Additional lighting should be installed directly above work surfaces, along with undercabinet lights for counters and downlights over sinks.
- Skin and tissue tones are best rendered under light sources with a high color rendering index (CRI) of 80 or above.

Lighting Criteria

IESNA Standards
 Local Exam Table 100 horizontal, 30 vertical FC
 At Sink & Desk 50 horizontal, 30 vertical FC

Design Very Important Considerations:

- Color Appearance
- Glare
- Flicker
- Modeling of Faces & Objects
- Surface Characteristics
- Horizontal & Vertical Levels

Additional Importance:

- Light Distribution on Surfaces
- Light Distribution on Task Plane (Uniformity)
- Luminance of Room Surfaces
- Reflected Glare
- Shadows
- System Control & Flexibility





Flexibility in system design should allow for ranges in illuminance between 20-200 FC. Specialized examination task lighting may be required for certain procedures.

Century City Doctors Hospital - Los Angeles, CA



Recessed Patient and Exam Luminaires

Products Examination Rooms

	Recessed Downlights 57-63
	Recessed Patient/Exam Luminaires 27-30
	Undercabinet Lighting 43-44
	Visual Therapy Luminaires 49-52

direction

Wayfinding

Visiting a modern healthcare facility can be challenging. Long corridors and hallways with identical features can create a maze that is impossible to navigate without directions or clues.

Wayfinding is essentially a succession of visual, audible, and tactile clues that help visitors experience the environment in a positive way while facilitating movement from one place to another.^(1,2,3)

The components of any visual wayfinding system go way beyond simple signage to encompass architecture, lighting, landscape and landmarks including a wide spectrum of architectural and design elements.

Cooper Lighting offers products that can be customized to create imagery, identification and signage that aid in the wayfinding process. With our depth of expertise, we offer designers, architects and facility directors the flexibility to modify standard wall mount luminaires or create custom solutions to project-specific needs.



Wall Luminaires

St. Luke's Episcopal Hospital, Photography: Jud Haggard

Photography: Robert Lemmermeyer



Recessed Downlights



Design Considerations

- Environmental graphics and lighting are key elements that make wayfinding come to life.
- Clear, concise directional cues can contribute to a smooth healthcare experience.
- Successful wayfinding provides consistent clues that reassure visitors of the correct path.⁽⁴⁾



Sources ⁽¹⁾ Patrick Gallagher, Principal of Gallagher and Associates (Washington D.C.) and President of the Society for Environmental Graphics Design (SEGD)
⁽²⁾ Aust, S. (2003). An Overview of Three Wayfinding Systems. ArtGr479 Wayfinding Design Iowa State University, Spring
⁽³⁾ Foltz, M.A. (1998). Design Principles for Wayfinding. In Designing Navigable Information Spaces, MSc Thesis, MIT.
⁽⁴⁾ Carter & Burgess, Inc Information Center; Web. Topical Articles Issue One 2004

Products Wayfinding

	Wall Luminaires 48, 92, 96, 99-100, 133-135
	Recessed Downlights 57-63
	Visual Therapy Luminaires 49-51

movement

Corridors

Corridors are extremely critical lighting applications. Proper lighting design and luminaire selection enable the complex traffic flows of healthcare wayfinding to move more efficiently. Providing cues and fostering concise direction for the patient and healthcare professional, the lighting system becomes an integral part of a clear directional map. Proper uniform lighting also helps combat patient and caregiver fatigue as the eye works less to adjust to changing light levels upon entering and exiting poorly lit corridors or associated areas.

Cooper Lighting specializes in manufacturing quality luminaires that minimize glare and obscure lamp images. These products have proven successful in some of the most demanding healthcare environments.



Photography: Robert Lememeyer

Recessed Downlights



Architectural Recessed

Design Considerations

- Color selection of finish material used in corridor ceilings, walls and floors in relation to incident reflectance is critical in these areas.
- Minimize extremes of brightness within these spaces. Excessive brightness contrast can disorient residents.⁽¹⁾
- Elimination of glare is one of the most important design criteria for corridors. Recessed indirect or cove lighting are recommended. Properly shielded downlights can also work effectively in these areas.

Lighting Criteria










IESNA Standards
 Horizontal footcandle 10
 Vertical footcandle 3

Design Very Important Considerations:

- Color Appearance
- Flicker
- Horizontal Footcandles (most important)

Illuminance levels change for day and evening use, along with adjacencies to certain treatment areas; the range for corridor areas could be between 5-50 FC. Corridors in the operating room suites areas may require illuminance levels as high as 100 FC.

Products Corridors

	Step Lights	31, 171-172
	Recessed Troffers/Parabolics	53-54
	Wall Luminaires	41, 92, 95-97, 99, 126
	Surface and Pendant Luminaires	38, 89
	Architectural Recessed	55, 119-120, 128-130
	Recessed Downlights	57-63, 71-72
	Cove Lighting	107, 123
	Suspended Luminaires	109-110, 112-115
	Visual Therapy Luminaires	49-52

Photography: Charles Plant



Sources ⁽¹⁾ Guidelines for Design and Construction of Hospital Facilities. 2001 Edition AIA

flexibility

Patient Rooms

The patient room is possibly one of the most widely debated and researched spaces in today's healthcare facility. The trend toward making these rooms more comfortable, home-like and hospitable while still providing safe and functional workspaces can be challenging.

In a hospital, it is tremendously important to provide a healing environment. Efficiency and accuracy in the patient room can lead to improved patient outcomes and contribute positively to the overall well-being of everyone involved in providing care.

Designing around task importance in the patient room includes general/ambient lighting as well as lighting for direct or cursory observation, critical examination, reading, restroom/ shower illumination, day and night-lighting and lighting control.



Bed Lights

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Design Considerations

- System flexibility must allow for the patient to have individual control with additional switching locations for the healthcare professional.
- Glare or excessive brightness must be eliminated in these spaces.
- Light trespass during sleep hours must be controlled to minimize exposure that can alter circadian rhythms.
- Nighttime monitoring and observation should be conducted with minimal disruptions (subdued red-amber light sources appear to positively affect melatonin).
- For good rendition of skin and tissue, a CRI of 80 or higher is recommended.

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Recessed Downlights Bed Lights

Lighting Criteria

IESNA Standards	Exam	Reading	Ambient
Horizontal footcandle	50	30	5
Vertical footcandle	10	5	3

Design Very Important Considerations:

- Color Appearance
- System Control & Flexibility
- Modeling of Faces & Objects
- Surface Characteristics
- Horizontal & Vertical Illuminance Levels
- Reflected Glare
- Light Distribution on Surfaces
- Light Distribution on Task Plane (Uniformity)
- Luminance of Room Surfaces

Additional Importance:

- Appearance of Space & Luminance
- Direct Glare
- Shadows
- Source/Task/Eye Geometry

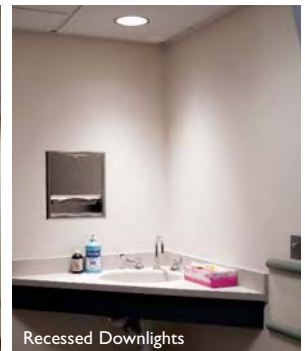
Flexibility in system design should allow for ranges in illuminance between 3-200 FC. Specialized examination task lighting may be required for certain procedures.

Photography: Feinknopf Photography



Recessed Patient and Exam Luminaires

Photography: Charles Plant



Recessed Downlights

Products Patient Rooms

	Recessed Patient/Exam Luminaires	27-30, 35
	Nightlighting	31
	Patient Bed Lights	32-34
	Wall Luminaires	91-92, 94-97
	Recessed Downlights	57-63
	Architectural Recessed	55, 121
	Visual Therapy Luminaires	49-52

functional

Nurse Stations

Lighting systems that support the nurse station and adjacent areas should be designed to maximize productivity, reduce errors and lower stress.

Flexibility should be designed into the lighting system for this area of the hospital that operates around the clock. Achieving a balance between circadian rhythm disruptions and high alertness for nighttime staff helps support a productive and positive healing environment. Layering of light is a good way to handle the on and off switching of particular luminaires that may be more disruptive when not required. Also recommended is the use of dimming ballasts with multiple locations of control for facility personnel.

From undercabinet task lighting to architectural luminaires that enhance and enliven spaces with low glare lighting, we offer products for these visually challenging environments.



Century City Doctors Hospital - Los Angeles, CA

Cove Lighting Recessed Downlights

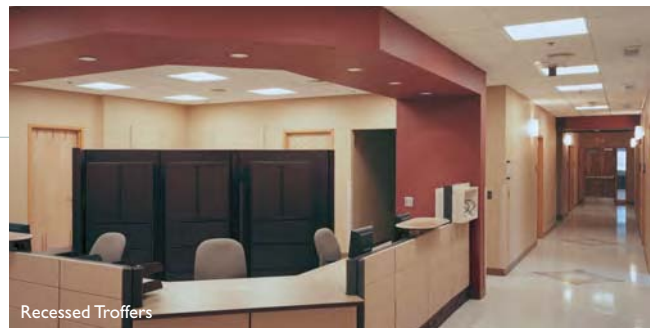
Photography: Charles Plant



Suspended

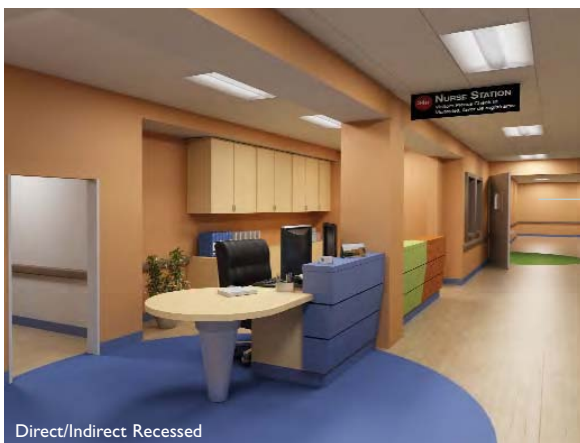
Design Considerations

- High levels of general illumination combined with additional task lighting should be utilized for the dispensing of medicine.
- Undercabinet task lighting can provide increased lighting levels for counters.
- High intensity recessed luminaires with adjustable optics can improve focus and visual accuracy.



Dulce Health Care Center - Dulce, NM
Photography: Kirk Gittings Photography

Recessed Troffers



Direct/Indirect Recessed

Products Nurse Stations

	Undercabinet Lighting	43-44
	Wall Luminaires	95-96, 112, 125
	Recessed Troffers/Parabolics	53-54
	Recessed Downlights	57-63
	Cove Lighting	123
	Perimeter Lighting	122
	Architectural Recessed	119-120, 128-130
	Suspended Luminaires	109-110, 112-113

Sources **Designing the 21st Century Hospital Project**, The Robert Wood Johnson Foundation, Roger Ulrich, Xiaobo Quan, Center for Health Systems and Design, College of Architecture, Texas A&M University, Craig Zimring, Anjali Joseph, Ruchi Choudhary, College of Architecture, Georgia Institute of Technology

pleasing

MRI & Radiographic Rooms

Magnetic Resonance Imaging (MRI), open MRI and Computer Assisted Tomography (CAT) scanning presents unique lighting demands. MRI suites, due to the intense magnetic polarity created by the diagnostic equipment, demand that luminaires be constructed of non-ferrous materials such as aluminum, brass, certain types of stainless steel and polymers preventing possible injury to the patient and healthcare technician.

Inherent in these diagnostic procedures is a degree of stress for the patient, making patient comfort in the MRI suite a critical element of the design process.

Modern X-ray rooms can be an even more complex area to light than an MRI suite. The variety of tasks combined with the mobility and articulating nature of the medical equipment dictates multi-dimensional architectural design elements.



Photography: Charles Plant

Recessed Troffers and Downlights



MRI Lighting

Design Considerations

- Luminaire performance should be weighed against visual comfort and low brightness (glare control is more tangible to patients than the amount of light).
- Fixtures that incorporate non-ferrous materials must be considered when designing MRI areas.
- Ambient light levels in these spaces can be relatively low during patient treatments, 30 to 35 FC.
- The lighting design should provide dimming and switching for adjusting light levels as needed.
- The ability to switch fixtures on and off is necessary to control general light level for activities such as patient transfer onto radiology tables.
- X-ray viewing and documentation requires dimming general room lighting during viewing but also requires increased light levels for certain tasks.

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Recessed Troffers

Products MRI & Radiographic Rooms

	Dark Room Safelights	45-47
	MRI Lighting	65, 79-83, 137-142
	Architectural Recessed	55
	Recessed Troffers	56
	Visual Therapy Luminaires	49-50

accuracy

Surgical Suites

Operating rooms command an unequalled level of multi-tasking and precision. The lighting design must allow for system flexibility that adjusts illuminance levels appropriately for a wide range of surgical procedures. Proper lighting design and luminaire selection can assist in limiting eyestrain, vision and fatigue.



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Surgical Troffers

Photography: Charles Plant



Surgical Troffers

Design Considerations

- Switching and dimming controls should be considered for these areas.
- Luminaires recessed into the ceiling must be gasketed and UL listed for damp locations.
- Luminaires should meet the requirements for Electromagnetic Interference/Compatibility (EMI), Radio Frequency Interface (RFI) and also MIL-STD 463 E.
- Reflective glare can be compounded if inappropriate finishes are selected for these areas.
- High intensity recessed fluorescent luminaires can control ceiling surface glare and also provide the recommended illuminance levels on various task planes and surfaces.
- High color rendering lamps are recommended in the most critical care areas; 85 - 95 CRI should be specified for general lighting.

Lighting Criteria

IESNA Standards
 Horizontal footcandle 100 average
 Vertical footcandle 50 min.






Design Very Important Considerations:

- Color Appearance
- Direct Glare
- Flicker & Strobe
- Surface Characteristics
- System Control & Flexibility
- Horizontal & Vertical Levels

Additional Importance:

- Appearance of Space & Luminaires
- Light Distribution on Surfaces
- Light Distribution on Task Plane (Uniformity)
- Luminances of Room Surfaces
- Modeling of Faces or Objects
- Reflected Glare
- System Control & Flexibility

Products Surgical Suites

	Surgical Troffers	36, 39-40
	Cleanroom Troffers	37
	Exit Lights	147, 149-150
	Emergency Lighting	152-154
	Power Inverters	155

comforting

Pediatrics

Pediatrics and adolescent wards have the same level and amount of visual tasking and complexity as any other ward in the facility. What makes them truly unique though is that they are providing care for patients who, in many cases, do not have the ability to control their emotions. Inappropriate lighting will only contribute to additional stress, strain and fatigue.



Photography: Charles Plant

Recessed Downlights

Photography: Robert Lemermeyer



Recessed Downlights

Design Considerations

- Switching and dimming controls should be provided.
- Recessed indirect/direct luminaires with additional lighting for reading also works well in these spaces.
- General lighting in shared activity areas for children should be designed with illuminance intensity levels adjusted for the floor and lower wall surface, as children tend to play or sit on the floor.
- Lighting in play areas and adjacent corridors should provide adequate illumination to extend field of views.
- Choose luminaires that feature color options as well as unique design elements to enhance the overall visual interest in these spaces.

Nursery/NICU






Nursery and NICU lighting should allow for easy observation of newborn infants. Indirect ambient lighting is recommended as it provides soft, unobtrusive light that will not harm the infant patient's eyes. Dimming and switching capabilities also need to be considered to better control illuminance levels for the various tasks performed in this environment.

Design Considerations

- Nursery lighting design should include dimming and switching capabilities for maximum flexibility.
- High color rendering lamps should be specified, 85 CRI, for recognizing color changes in the skin.
- General lighting should include luminaires that deliver the appropriate glare-free light distribution patterns for surfaces and task planes.
- Lighting examination areas from multiple angles helps in avoiding shadows.
- Lighting requirements for these areas can range from 3-5 FC to 75-100 FC depending on the task.



Products Pediatric & Nursery

	Wall Luminaires	99-100, 135
	Architectural Recessed	35, 55, 121
	Recessed Downlights	57-63
	Perimeter Lighting	122
	Suspended Luminaires	111-112

ICU

In the Intensive Care Unit (ICU), lives literally hang in the balance between the success of the medical treatments being performed and the body's ability to heal. Design issues for these areas center around flexibility due to the various tasks performed.

Dulce Health Care Center - Dulce, NM
Photography: Kirk Gittings Photography



Recessed Troffers



Cleanroom Lighting

Photography: Charles Plant

Design Considerations

- Lighting should address the varied tasks of the healthcare professional, incorporating the flexibility for dimming and switching control.
- Glare-free lighting should be used to create a comfortable environment.
- Lighting equipment while at the same time providing illumination for patient care, requires luminaires that can deliver the appropriate lighting distribution for both vertical and horizontal surfaces.
- Lighting levels can fluctuate greatly depending on the task requirement ranging from 20 - 200 FC for the horizontal work plane to 5-50 FC for the vertical.
- Recessed indirect/direct luminaires with the addition of unobtrusive wall sconces are a good choice for adding visual appeal and stimulation.

Laboratories/Pharmacies

Laboratories and pharmacies are dynamic and demanding areas. Multiple tasks are taking place simultaneously and multiple workplaces are being utilized. Amid this visual chaos, concern for the technicians' visual comfort and acuity is important.

Design issues for these areas revolve around storage, dispensing, detailed measuring, distribution and documentation. Reading very small print and differentiating between various contrast levels requires different levels of illumination based on the tasking area.

Design Considerations






- Areas of storage and precise material handling should be free of shadows, and effort must be taken to offset the effects of highly reflective labels.
- Beyond general room lighting and supplemental lighting focused on specific workplaces, additional undercabinet or specialty task lighting may be required.
- Layering of light to create transitions in light levels between areas can reduce eyestrain.
- Research laboratories may require cleanroom lighting to control against dangerous airborne infections.
- High color rendering lamps with a CRI of 85 or greater should be employed in both laboratories and pharmacies.



Suspended and Pendant Luminaires

Photography: Paul Dyer

Products ICU & Lab/Pharmacies

	Recessed Patient/Exam Luminaires 28, 30, 35
	Cleanroom & Specialty Lighting 37-40, 42
	Undercabinet Lighting 43-44
	Recessed Troffers/Parabolics 53-54, 56
	Suspended Luminaires 109, 111, 113-114, 117-118

planning

Life Safety

Life-Saving Light That Supports The Architecture

The good news is that emergency and exit lighting strategies do not have to be an afterthought, with eyeball type luminaires mounted in the least attractive way. Exit signs can be attractive, energy efficient and complement any space. Well placed, these life-saving devices can add integrity, safety and security to the master space plan.

Incorporating emergency lighting into the general lighting specification, helps deliver superior light levels during emergency operation while, at the same time, supports the architectural theme of the space.



Emergency Lighting



Wall Luminaires

Photography: Robert Lememeyer








Cooper Lighting is a global leader in the areas of emergency and exit lighting strategies, with countless patents and decades of case work helping to make all types of buildings and structures safe. From stairwells to patient rooms, our line of life safety products offer the appropriate emergency and exit lighting solutions for years of maintenance-free operation providing peace of mind for facility managers.

Design Considerations

- Emergency lighting must be provided throughout the entire building and property. Minimal light levels for safe exiting are published on a national basis.
- Many communities now require an illuminated path of egress that directs occupants a safe distance away from the facility. HID, halogen and fluorescent light sources can be specified with power back-up integration to address these new codes and standards.

Products Life Safety

	Wall Luminaires 48, 157-159
	Emergency Lighting 151-153
	Exit Lights 147-150
	Stairwell Lighting 156
	Power Inverters 155

sophistication

Dining/Kitchens

Selecting the appropriate combination of luminaires in conjunction with the architectural vision for the dining area can transcend what has been traditionally thought of as an institutional environment. In short, these spaces should be looked at as more than just a place to grab a quick meal or take a short break.

Cooper Lighting manufactures a wide variety of architectural pendants, recessed, direct/indirect and wall mounted luminaires that add aesthetic integrity to the healthcare dining area while providing exceptional performance and value.

In addition, we offer a line of cleanroom and specialty lighting for kitchen and cafeteria areas where completely sealed and/or wet location luminaires may be needed.



Pendant Luminaires



Recessed Downlights Pendant Luminaires



Pendant Luminaires

Design Considerations




- The lighting design should help in stress reduction by utilizing the appropriate amount of light to accent design elements and visually stimulate visitors.
- The ability to adjust light levels to help set a tone or mood certainly has design merit. Intense or drastic contrast contributing to glare and unwanted brightness should be avoided.
- Consideration should also be given to the diverse needs of the variety of visitors to these spaces, such as the elderly and those with physical challenges.



Dome Pendants

Photography: Charles Plant

Products Dining/Kitchens

	Cleanroom and Specialty Lighting 37, 39-40
	Pendant Luminaires 74, 86-88, 165
	Recessed Downlights 57-72
	Track Lighting 76-78

well-being

Healing Gardens/Courtyards

Many of today's modern healthcare and hospital designs incorporate these spaces as a far-reaching method of improving patient outcomes. Relaxation and rejuvenation are the goal of a healing garden. In the garden, healing occurs as a result of a direct connection between the patient and the physical and natural environment. From social interaction to exercise, these gardens enhance coping and can lead to improved patient outcomes.⁽¹⁾

Taking cues from the hospitality industry, modern healthcare architecture stresses natural outdoor views and quiet havens.

Healing gardens and courtyards offer refreshing spaces in which to take a break from the rigors of the healthcare environment.

Cooper Lighting offers a vast array of outdoor luminaires designed for both form and function. These products not only make architecture come to life but also offer excellent performance.

Photography: Gary Knight

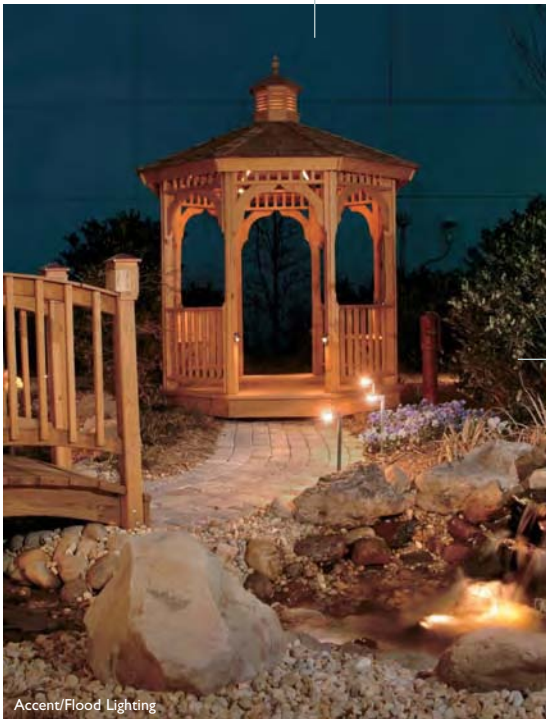


Underwater Lighting



Exterior Bollards

Photography: Gary Knight









Accent/Flood Lighting

Design Considerations

- Properly illuminated courtyards allow these areas to be enjoyed safely after dark.
- Adding an appropriate lighting scheme to the courtyard can make these spaces even more dramatic and allow for larger group activities, which can foster healing social interaction.
- Wayfinding for patients to the outdoor therapeutic spaces should be well planned for maximum use and benefit.

Products Garden Areas

	Wall Luminaires 102-104, 133-134, 157-159
	Exterior Bollards 105-106, 174-175, 179
	Architectural Steplights 171-173
	Accent/Flood Lighting 131, 176-178
	Underwater Lighting 181
	Handrail Luminaire 136

Sources ⁽¹⁾ **Healing Gardens Therapeutic Benefits and Design Recommendations** the Wiley Series in Healthcare and Senior Living Design, 1999 edited by Clare Cooper Marcus & Marnie Barnes

compelling

Offices/Conference Rooms

Healthcare professionals and administrators face numerous critical tasks that can contribute to high stress levels, making quality lighting design a key issue for office and administration areas. Visibility, visual appeal and visual comfort all need to be considered when selecting luminaires for this environment.

Over the past 15 years, office lighting levels and energy legislation have become incredibly systematic and scientific. Cooper Lighting's Healthcare Solutions program can help address the various recommendations and mandates of ASHRAE/IESNA 90.1 and the Model Lighting Ordinance. If standardization is important to your healthcare facility design, we have the products to fuse great lighting design with the reality of a real-world maintenance repair and operating budget.



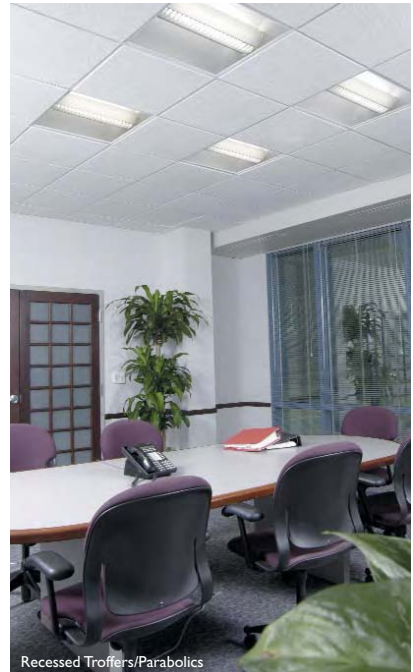
Architectural Recessed



Architectural Recessed



Recessed Downlights



Recessed Troffers/Parabolics

Wilbur Montgomery Photography









Suspended Luminaires

Design Considerations

- Conference room environments with media capabilities should incorporate dimming control capabilities.
- If daylight is a major contributor to the lighting scheme, it is important to add controls and sensors to adjust for fluctuations and changes to the natural light.
- Energy efficient pendant mount indirect lighting or a combination of recessed direct/indirect luminaires enhances visual appeal and comfort.
- Spreading light across the ceiling and bouncing it off walls will make an area appear larger. These types of lighting solutions can help with luminous uniformity and elimination of the "cave effect."
- Lighting reflections associated with computer monitors must not be overlooked when establishing quality office lighting design.

Products Offices/Administration

	Pendant Luminaires 84, 87
	Wall Luminaires 98, 108
	Recessed Troffers/Parabolics 53-54
	Architectural Recessed 55, 128
	Recessed Downlights 57-58, 61-62, 69-70
	Suspended Luminaires 109-111, 113-118, 127

welcoming

Exterior – Site & Area

Lighting for security, safety, general illumination, facade, and path of egress in an exterior area application should all be considered when detailing these projects. While definitive research does not actually substantiate that exterior lighting decreases crime, we do know that a well lit area will invite visitors and dissuade trespassers.

It is generally accepted that a well lit outdoor space has a positive effect on one's perception, reducing fear and establishing confidence in entry. That is to say, "Keeping people and property secure, good lighting must enable people to take action at a distance."⁽¹⁾



Design Considerations

- Once the lighting design process moves past the basic benefits of appropriate site and area lighting, the architectural and aesthetic benefits can be quite dramatic.
- Ordinances involving light trespass and the night sky currently exist in most of the United States and in 18 countries. Complying with these regulations can be an exercise in compromise. But if done correctly, the outcomes usually exceed even the most difficult design criterion.

Parking Garage

With space and land at a premium especially in urban areas the parking garage is widely accepted as the smart building option for the ever expanding healthcare community. These structures are being erected on an ongoing basis and, in many cases, are necessary to meet the needs of the surrounding communities.



Photography: Charles Plant









The parking garage is not a parking lot, at least when it comes to lighting. A parking garage is a long, narrow interior space with walls, beams and ceiling and, therefore, is a more complex visual environment. It's one of the few spaces where vehicles and pedestrians intermix in close quarters, and a multitude of visual tasks exist simultaneously.

Sources ⁽¹⁾ **The Outdoor Lighting Pattern Book** by Russell P. Leslie and Paula A. Rodgers from the Lighting Research Center Rensselaer Polytechnic Institute, 1996

Design Considerations

- Visitor safety, security and wayfinding are at the top of the design benefits list.
- The lighting levels should be uniform or relatively even throughout the space.
- Proper illumination can provide a non-threatening, secure and directionally cued environment.
- Good neighbor status is also very important to community-based healthcare facilities. Being cognizant of the effects of light trespass and glare should be built into the facility design.

Products Exterior

	Exterior Bollards 105-106, 160, 174-175, 179
	Wall Luminaires 103-104, 157-159, 167, 180
	Exit Lighting 147
	Emergency Lighting 152-153
	Area Luminaires 162-164, 166, 169
	Accent/Flood Lighting 131, 168, 176-178
	Architectural Step Lights 171-173
	Parking Garage Luminaires 170

safety

Exterior/Entrances

The entrance marks the beginning of the journey for many individuals – a journey that can be filled with varied emotions about the healthcare experience. As such, these areas need to be welcoming spaces.

Cooper Lighting has a broad range of luminaires for exterior entrances. These luminaires not only deliver high performance lighting, but can also assist in defining location, direction and navigation for the wayfinding journey.



Exterior Bollards

Wilbur Montgomery Photography



Exterior Bollards

Design Considerations








- During daylight hours, the lighting should meld into the building's architectural theme. Nighttime illumination must provide appropriate light levels to allow for safe navigation.
- Contrast ratios, glare and uniformity in relation to adjacent areas must be considered when designing these lighting applications.
- Dramatic differences in light levels should be avoided. Light levels should be gradually increased as one enters the grounds, allowing for safe entry.
- Dark sky legislation and responsible energy management must be addressed in the early stages of the lighting design process.
- During times of high illumination from the sun, providing transition areas with appropriate interior light levels becomes important. Sensors and control devices can be incorporated into the lighting scheme and automation can raise and lower light levels based on daylight contribution.⁽¹⁾

Photography: Charles Plant



Wall Luminaires

Products Exterior/Entrances

	Wall Luminaires ... 48, 102-104, 133-134, 143, 146, 157, 180
	Surface Luminaires 105-106, 160, 174-175, 179
	Exterior Bollards 105-106, 160, 174-175, 179
	Architectural Step Lights 171-173
	Accent/Flood Lighting 131, 161, 168, 176-178
	Underwater Lighting 181
	Inground Illuminators 182

Sources ⁽¹⁾ **Guidelines For Design And Construction of Hospitals and Health Care Facilities**, 2001 Edition The American Institute of Architect Academy of Architecture for Health with Assistance from the U.S. Department of Health and Human Services.

Lighting Technology Guide

T8 & T5 Lamps and the Electronic Ballast

The T8 lamp has now become an industry standard for a vast array of fluorescent lighting applications. With the advent of T5 technology, fluorescent lighting is gaining ground where large lumen system performance is required. Both T5 and T8 lamps offer long lamp life, less lumen depreciation, and a higher color rendering index [CRI] than other lamp configurations.

The following table [Fig. 6] shows a comparison of T8, T5, and T5HO electronic system performance. All three-lamp system combinations utilize electronic ballasts, which have a higher ballast factor increasing light output in comparison to magnetic ballasted systems. Fluorescent lamp technology has come a long way and when properly mated to application installation, the energy savings can be substantial.



- Energy Savings [up to 50% less energy]
- Better Color Rendering
- Cooler and Quieter Operation
- Lightweight Design
- No Flicker during Start-up or Operation
- Dimming ballasts modulate light from 100% to 0%.

(FIG 6) T5 VS. T8 SYSTEM PERFORMANCE

	T5 ELECTRONIC	T5HO ELECTRONIC	T8 ELECTRONIC
LAMP DESIGNATION	F28T5 / 835	F54T5 / HO / 835	F32T8 / 735
SYSTEM EFFICIENCY	93LM / W	85LM / W	85 LM / W
INITIAL LAMP LUMENS [1-LAMP]	2,900 LM *	5,000 LM	2,800 LM
LAMP WATTS	28W	54W	32W
BALLAST FACTOR	1 0	1 0	0 88
BALLAST INPUT WATTS [2-LAMP]	62W	117W	58W
COLOR RENDERING INDEX	82	82	73-78
LAMP LUMEN DEPRECIATION	0 95	0 95	0 90
LAMP LIFE	25,000 HRS	25,000 HRS	25,000 HRS *
TOTAL SYSTEM LUMEN OUTPUT [2-LAMP]	5,510 LM	9,500 LM	4,435 LM

Note: Performance data based on F28T15/835 and F54T5HO lamp and industry standard electronic 2-lamp ballast
*at 35°C Based on 12 hour burning cycles

LED Technology

LEDs are quickly being adopted as an illumination solution for both indoor and outdoor products. High efficiency LED lighting systems capitalize on the longevity and convenience principals of solid state lighting and are now being offered as an alternative to traditional lamps.

What is an LED?

LEDs (Light Emitting Diodes) are composed of various semiconductor materials. When an electrical current passes through the diode the recombination of the positive and negative charges, within the different compositions, result in the emission of photons or light. LEDs are small non-carbon based materials such as indium, aluminum, and gallium.

LED Types

White LEDs are either an RGB system, which combine light from red, green, and blue LEDs or a Phosphor Converted system, where the light of a blue, violet or near-ultraviolet LED is radiated though a yellow phosphor coating emitting white light.

Energy Efficiency

LED luminaires that are engineered properly provide superior efficiency over most traditional lighting sources. Phosphor Converted LEDs can achieve up to 100 lumens per watt. The total Luminaire Efficacy should be considered when comparing energy savings and products. Total Luminaire efficacy should account for thermal, driver and optical losses (approximately 25% - 30%).

Reliability

Due to LEDs solid state principals (no filament to break), the light source is not susceptible to vibration reducing the risk of premature failure. A properly designed LED system which is driven at the proper current and voltage enables the average rated life to be 50,000 hours at 70% lumen output. The sustainability of the fixture dramatically reduces maintenance and service costs over traditional sources. An LED system should last five times longer than a traditional metal halide source potentially saving hundreds in service expense.

Quality of Light

LEDs allow for improved visibility over many traditional sources due to a cooler color temperature (a whiter light) and a higher color rendering index (CRI). CRI is a quantity describing how well a light source renders color realistically. CRI of 100 is the best possible score. Daylight and incandescent lamps are considered to have a score of 100. LEDs can achieve a CRI greater than 90. Color temperature and CRI of an LED can be adjusted by the manufacturer for different products and applications. A cooler LED may be chosen for an outdoor application and a warmer color temperature might be selected for an indoor application to resemble a traditional incandescent lamp.



Cooper Lighting's Energy Solutions Approach

Business Environment

In today's competitive environment, one clear economic theme has emerged—the need to lower costs and increase productivity. This has created a need to implement cost reduction and improved productivity strategies. Companies must use every tool at their disposal to meet this requirement, grow earnings, and increase return on investments. However, lighting, one of the most powerful tools, is often overlooked. Energy efficient lighting offers a large source of cost savings through energy reductions.



“Implementing innovative lighting solutions amid phenomenal growth within the healthcare environment”

Lighting, A New Competitive Weapon

Lighting is a necessity. Energy efficient lighting is a competitive tool! Implemented properly, the lighting or re-lighting of a facility can be used to outpace competition with lower costs from reduced energy consumption, lower scrap rates and higher productivity rates. Lighting is also key to total quality management by providing more accurate visibility that translates into fewer errors and defects. Most importantly, energy efficient lighting protects the most valuable asset in every business, its human resources. Energy efficient lighting promotes a pleasant and positive environment therefore reducing absenteeism and turnover.

Other Advantages

Increased Productivity Research proves that productivity is in direct proportion to environment and rises dramatically in well-lit surroundings.

Increased Quality Productivity increases and the quality of the finished product increases. Less time is lost through error and defects in material and workmanship are reduced.

Increased Safety Reducing accidents is a primary goal. By improving light levels potential hazards can be avoided.

Increased Employee Satisfaction Lighting directly impacts how people feel and interact. The impact can be dramatic and aesthetically pleasing.

Important Environmental Benefits Energy efficient lighting provides important environmental benefits. According to EPA conversion guidelines, emissions pollution reductions associated with replacing inefficient lighting in the commercial and industrial markets over ten years are estimated to be equivalent to: planting 320 million trees, removing 247 million cars, and saving 158 billion gallons of gasoline.



“Saving Energy is Good Business”

Energy Use and Savings Potential¹

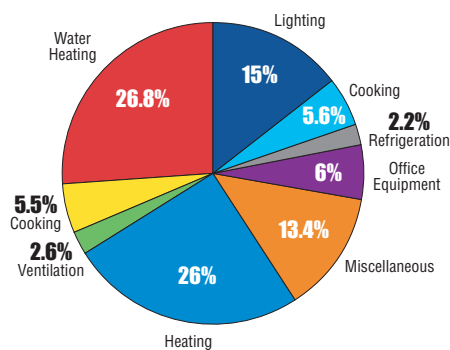
Hospitals have unique and intensive energy use requirements. In addition to the need for lighting and heating 24 hours a day, hospitals demand extensive energy for ventilation, equipment, sterilization, laundry and food preparation.

Every year, U.S. hospitals spend an average of \$1.67 per square foot in electricity costs, and another 48 cents per square foot on natural gas.

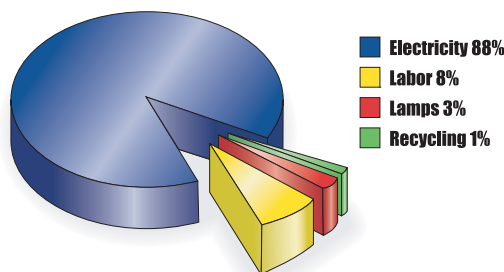
Lighting (15 percent) and HVAC (45 percent) are the largest parts of a typical hospital's energy bill. Both areas present opportunities for significant savings. For example, regular evaluations and tune-ups to the HVAC system (costing 4-20 cents per square foot) have been proven to cut those costs by 10-15 percent. This translates into roughly \$34,000/year in savings for a 100,000 square-foot facility.

Energy savings have the potential to dramatically impact a hospital's bottom line. The ENERGY STAR® Financial Value Calculator estimates that if hospitals reduce energy use by 5 percent, it is the equivalent of increasing the Earnings Per Share (EPS) by 1 cent. Similarly, each dollar of energy savings is equivalent to \$20 of increase in revenue.

Energy Use in Hospitals²
(averaged across climate zones)



Lighting Systems Operating Costs



*“Energy savings impact:
profits, productivity, quality,
customer and employee satisfaction
and environment.”*



Market Trends Potentially Affecting Energy Use

- Hospitals are increasingly part of multi-hospital networks (an increase from 30.8 percent in 1978 to 53.6 percent in 2001). Administrative decisions on energy use may have a wider impact.
- Tight hospital budgets often change intensity or duration of patient services (e.g., less in-patient surgery, increased use of the ER), which can lead to shifts in energy demands.
- In order to compete, hospitals are offering new or specialized services and equipment. Equipment availability impacts energy use.
- Studies indicate that newer hospitals use more energy than older hospitals.

Sources ¹Information provided by CEE.
²Managing Energy Costs in Hospitals: Energy Consumption Data. Platts, 2004

“Experience the Benefits of Quality, Energy Efficient Lighting”

Cooper Lighting Resources

Being the easiest to do business with, consistently, time-after-time, also means assisting our customers with the application of Cooper Lighting products. Either directly or through our network of Cooper Lighting manufacturers' representatives, we provide you with the answers and solutions you need to get your project done on-time and on-budget. Healthcare Solutions brings together the team approach and resources needed to help you achieve the best in lighting design on your next Healthcare Lighting project.

e-Tools...

- Web based applications allow for quick and easy development of design ideas.
- Photometric ToolBox® allows for the easy viewing and graphical interpretation of photometric information.
- Luxicon, and design application software package for the non-AutoCAD® user, performs calculations for both day lighting and electric lighting software.
- Downloadable bundles of IESNA format photometric files for use in any Lighting design software.
- AGI32® Instabase for Cooper Lighting products is also available for download.



Applications Department

Let the application experts at Cooper Lighting design your next lighting layout. Aided by the latest computer simulation software and a comprehensive lighting background, our Application Engineers can design, analyze, and provide statistical layouts for any lighting application. Whether the design criteria calls for Illuminance, Luminance, or Small Target Visibility (STV) compliance, Cooper Lighting can provide the fixture layout and supporting documentation necessary for your next project.



The Source

The Cooper Lighting SOURCE facility sets the benchmark for lighting industry learning. The SOURCE continues to provide the highest standard of professional lighting education in the industry, serving lighting professionals for over 14 years.

The SOURCE learning experience to date has hosted over 30,000 participants from these professional fields:

- Architects
- Builders
- Distributors
- Electrical Contractors
- End-Users
- Energy Conservation Companies
- Engineers
- Facility Managers
- Landscape Architects
- Lighting & Interior Designers
- Retail Planners
- University Students
- Utilities

The SOURCE provides classes and workshops on specific lighting needs for various applications including healthcare. Please visit www.cooperlighting.com for the latest class schedule.

































Awareness + Energy Issues (Current, Pending & Proposed)

An area of the Cooper Lighting Web Site is offered to foster an awareness of energy issues affecting the lighting industry. The information is presented as executive summaries and intended as a reference tool for further investigation. The following issues are featured:

- ASHRAE / IESNA 90.1
- LEED
- IECC
- 2002 ECCC of New York
- Ballast Legislation
- National Power Grid
- Dark-Sky
- Energy Star
- Energy Policy Act
- California Energy Commission Title 24
- NEMA
- ISO 14000
- Energy Independence & Security Act of 2007



Products Healthcare Lighting

	Accent/Flood 131, 161, 168, 176-178		Recessed Troffers/Parabolics 53-54, 56
	Area Luminaires 162-164, 166, 169		Recessed Architectural 55, 119-121, 124, 128
	Cleanroom and Specialty 37, 39, 40-42, 49-52		Recessed Downlights 57-64, 67-72
	Cove Lighting 107, 123, 132		Recessed Patient/Exam 27-30, 50-52
	Dark Room Safelights 45-47		Recessed Wall Wash 64
	Emergency Lighting 151-154		Step Lights 31, 171-173
	Exit Lights 147-150		Surface Luminaires 38, 79, 81, 101-102, 144-145
	Exterior Bollards 105-106, 160, 174-175		Surgical Troffers 36, 39-40
	Inground Luminaires 182		Suspended Luminaires 109-118, 127
	MRI Lighting 65, 79-83, 137-142		Track Lighting 76-78
	Night Lighting 31		Undercabinet 43, 44
	Parking Garage 170		Underwater 181
	Patient Bed Lights 32-34		Wall Luminaires, Exterior 48, 102-104, 157-159, 167, 180
	Pendant Luminaires 74-75, 83-90, 165		Wall Luminaires, Interior 41, 48-49, 91-100, 108, 112, 143, 146
	Perimeter Lighting 122, 132		Power Inverters 155

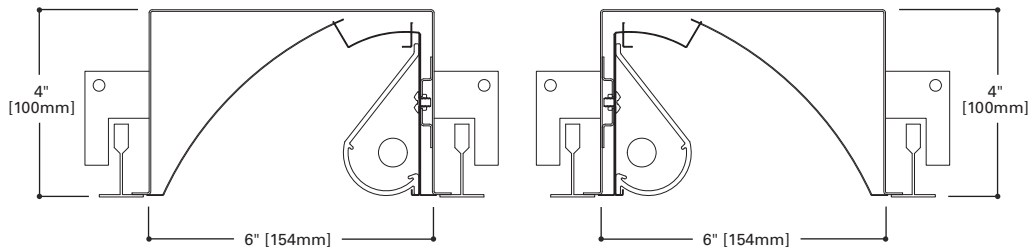


I-Lume Exam Luminaire

- Unique, optical design provides focused, glare-free illumination
- Two 4' fixtures direct light asymmetrically minimizing shadows and positioning light exactly where needed
- Sealed, acrylic lens allows for easy cleaning
- Optional door available for completely sealed fixture needs
- Reflector uses high grade specular material for optical control
- Energy efficient design uses T5HO fluorescent lamps
- UL listed, CSA certified

I-Lume Exam Luminaire

The I-Lume exam light provides high performance illumination in a compact, energy-efficient package. Designed around precision optics and T5HO lamp technology, the I-Lume offers powerful, focused light for examinations and procedures. Installed in pairs, its unique optical design directs light asymmetrically minimizing shadows and positioning light exactly where it is needed. The I-Lume is designed for use in healthcare facilities. Ideal for patient rooms, exam rooms and recovery areas.



Ordering Information

SAMPLE NUMBER: MNE-48-T5HO-120V-G-EB51

<p>Product Family MNE=Medical Narrow Exam (two fixtures)¹ MNE-S=Medical Narrow Exam Single Fixture</p>	<p>Mounting G=Grid 1" or 1-1/2" T-Grid F=Flange</p>	<p>Lamp Type T5 Fluorecents 254=(2) 54W Lamps 154=(1) 54W Lamp (MNE-S only)</p>	<p>Voltage 120=120V 277=277V 347=347V UNV=120V through 277V</p>	<p>Ballast EB51=T5HO EB52=T5HO D=Dimming Ballast</p>	<p>Options EBP=Emergency Battery Pack² GLR=Fuse and Holder RIF=Radio Interference Filter³ AM=Antimicrobial Finish</p>	<p>Accessories MNE-GGD-4C=Grid Mount Door with Cable⁴ MNE-GGD-4H=Grid Mount Door with Hinge⁴ MNE-GGD-F-4C=Flange Mount Door with Cable⁴ MNE-GGD-F-4H=Flange Mount Door with Hinge⁴ (GGD's sold in pairs unless specified - S)</p>
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Notes: For additional options, consult your Cooper Lighting Representative Specifications and dimensions subject to change without notice

¹ Fixture and doors sold in pairs unless specified ²When choosing emergency battery pack, dedicated voltage must be specified Battery pack installed in one of two fixtures ³ RIF option adds 3/4" to height of fixture ⁴When ordering GGDs specify Grid Mount fixture

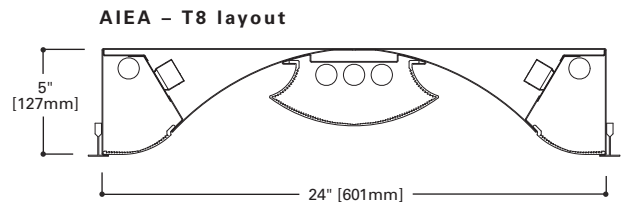
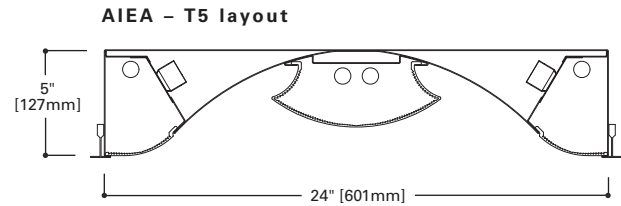
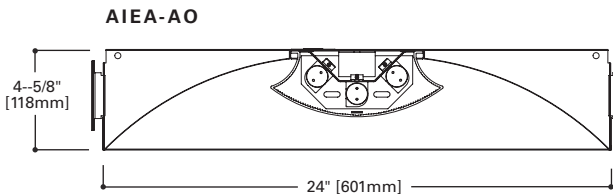


AIEA Ambient/Exam Luminaire

- Unique optical design provides focused, glare-free illumination
- Energy-efficient design uses (4)T5HO or (5)T8 fluorescent lamps; Ambient only up to (3) lamps
- Sealed acrylic lenses for easy cleaning and maintenance
- Independent controls for exam and ambient functions
- 20 gauge steel housing offered in both 2' x 2' and 2' x 4' configurations
- Optional door available for completely sealed fixture needs
- UL listed, CSA certified

AIEA Ambient/Exam Luminaire

This architectural, recessed patient room light offers both exam and ambient lighting in one streamlined fixture. The AIEA features innovative optical technology which provides powerful, focused illumination for examinations. It's unique design directs the light onto the bed and provides glare-free illumination for both the healthcare professional and patient. An architecturally styled design helps bring a relaxed, comfortable feel to any healthcare environment. Sealed lenses offer easy cleaning and maintenance.



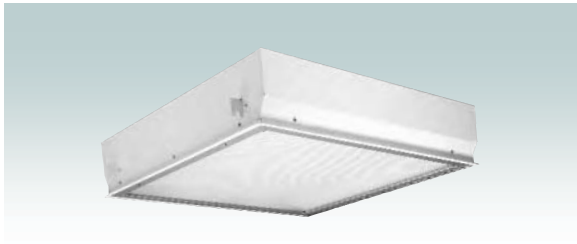
Ordering Information

SAMPLE NUMBER: MAE-24-G-T5HO-120V-PR-EB52

<p>Product Family MAE=Medical Ambient Exam Light</p>	<p>Lamp Type 2' x 2' Width 424=(4) 24W T5 Lamps 517=(5) 17W T8 Lamps 2' x 4' Width 454=(4) 54W T5 Lamps 532=(5) 32W T8 Lamps Biaxial Fluorescents 440BX=(4) 40W Lamps 450BX=(4) 50W Lamps 455BX=(4) 55W Lamps</p>	<p>Lamp Shield - Ambient Prismatic Acrylic Frost (Leave Blank) AC=Acrylic with Perforated Inlay</p>	<p>Options LVCF=Low Voltage Controller EBP=Emergency Battery Pack¹ GLR=Fuse and Holder RIF=Radio Interference Filter AO=Ambient only (no side exam sections) AM=Antimicrobial Finish</p>	<p>Accessories GGD-22H=Grid Mount 2' Hinged Door GGD-24H=Grid Mount 4' Hinged Door GGD-22C=Grid Mount 2' Cable Door GGD-24C=Grid Mount 4' Cable Door GGD-F-22H=Flange 2' Hinged Door GGD-F-24H=Flange 4' Hinged Door GGD-F-22C=Flange 2' Cable Door GGD-F-24C=Flange 4' Cable Door</p>
<p>Mounting G=Grid 1" or 1-1/2" T-Grid F=Flange</p>	<p>Voltage 120=120V 277=277V 347=347V UNV=120V through 277V</p>	<p>Ballast EB52=(2) T5 EB82=(2) T8 D=Dimming</p>		

Notes: For additional options, consult your Cooper Lighting Representative. Specifications and dimensions subject to change without notice.

¹When choosing emergency battery pack, dedicated voltage must be specified. Ambient lamp only. Not available in all configurations. Please consult factory. ²Please specify dimming ballast preference.



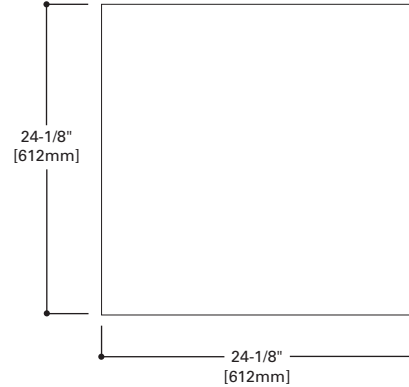
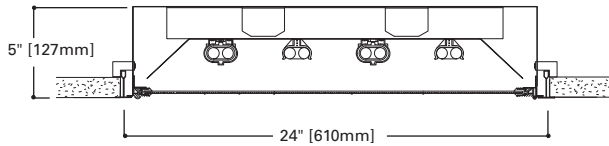
MEX Recessed Examination Luminaire

- Die-formed, 20 ga. CRS housing contains no holes. Standard white polyester powder coat finish
- Fully gasketed, extruded aluminum, inset door
- Stainless steel screws
- Standard Class P CBM/ETL ballast
- Acrylic K-12 pattern with smooth side out for ease of cleaning
- UL listed, CSA certified

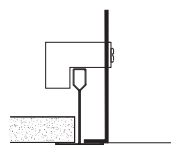
MEX Recessed Examination Luminaire

The MEX examination luminaire offers precision focused illumination to the torso and extremities for accurate patient evaluation. It is the companion healthcare fixture to the MOR Series. Utilizing four 50 watt biaxial lamps and electronic ballasts, the MEX Series saves 20% of the energy produced by comparable 250 watt quartz units, offers safer and cooler operation without the need for timers, and provides six times longer lamp life.

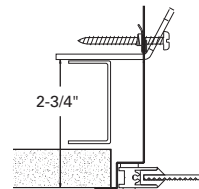
LUMINAIRE CUT-OUT SECTION FOR MEX FLANGE FIXTURE



DOOR FRAME



GRID
(LAY-IN)



FLANGE
(BK WET PLASTER OR SHEET ROCK)

Ordering Information

SAMPLE NUMBER: MEX-G-440BX-120-EBX2

Product Family
MEX=Medical Examination Recessed Fluorescent Luminaire

Ceiling Type
G=Grid
F=Flange

Lamp Type
Biaxial Fluorecents
440BX=(4) 40W Biaxial Lamps
450BX=(4) 50W Biaxial Lamps

Voltage
120=120V
277=277V
347=347V

Ballast
EBX2=(2) Ballasts for use with biaxial lamps

Options
EBP=Emergency Battery Pack
FNL=Fluorescent Night Light (Lamp by others)
LNL=LED Night Light (50,000 hrs) provided by Cooper
GLR=Fuse and Holder
RIF=Radio Interference Filter

Notes: For additional options, consult your Cooper Lighting Representative Specifications and Dimensions subject to change without notice Electronic ballast may cause interference with other electronic devices If interference occurs, move the device away from the product or plug/connect into a different circuit/outlet



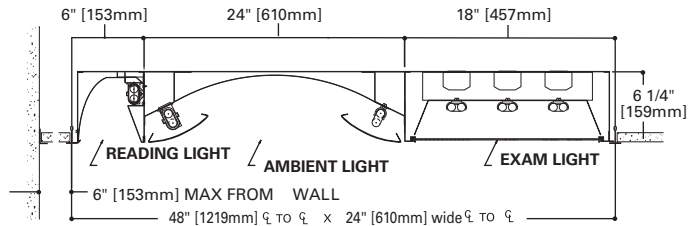
MPR Patient Room Recessed Luminaire

- Recessed Grid or Flange, Ceiling Mount (supported from above)
- Standard, Class P, CBM/ETL Ballast, (3) circuit wiring
- Housing is Die-formed, 20 ga. cold rolled steel
- 20 gauge CRS housing formed fabricated for maximum strength and stability
- Each compartment is designed to provide a specific illumination function while allowing for commonality of branch circuit feeding
- High efficiency biaxial lamps provide excellent color rendering ability and high lumen output for nominal wattage draw
- Low gloss, electrostatically applied, baked white powder polyester finish
- UL listed, CSA certified

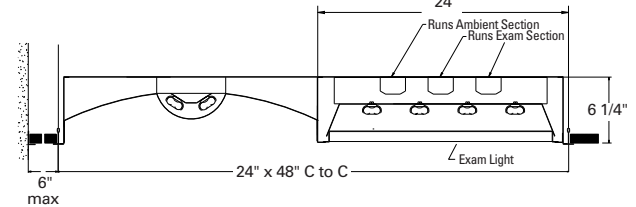
MPR Patient Room Recessed Luminaire

The MPR removes all lighting elements from the walls, and incorporates them into a single 2 or 3 compartment patient room ceiling fixture. The sections provide independent task illumination: a patient reading light using (1) 40W biaxial lamp puts the light at the head of the bed for patient use; an ambient room light using (2) 40W biaxial lamps provides soft illumination via perforated wings while shielding direct source glare; and the examination light uses (3) 40W biaxial lamps and focuses high intensity illumination to the torso for maximum patient appraisal with minimal wattage consumption. The system is designed for one, two, or three feeds potentially reducing the overall installed cost. Also available for use with 50W biaxial lamps.

3 COMPARTMENT DIMENSIONS



2 COMPARTMENT DIMENSIONS



Ordering Information

SAMPLE NUMBER: MPR2-G-640BX-120-EBX3

<p>Product Family MPR2= 2 Compartment Medical Patient Room Recessed Luminaire Exam & Ambient Section MPR= Standard 3 Compartment Medical Patient Room Recessed Luminaire Reading, Exam & Ambient Section</p>	<p>Lamp Type Biaxial Fluorescents 640BX=(6) 40W Lamps 650BX=(6) 50W Lamps</p>	<p>Voltage 120=120V 277=277V 347=347V UNV=120V through 277V</p>	<p>Ambient Options If no option is chosen, then Standard 2 Basket Ambient will be provided SCP=Single Perf Basket Centered SSCB=Single Sealed Lamp</p>	<p>Options EBP=Emergency Battery Pack FNL=Fluorescent Night Light (Lamp by others) LNL=LED Nightlight LVER=Louver 36 Cell Specular with Prismatic Acrylic Overlay (Exam section only) PBR=Parabolic 2-1/2" sq x 1-1/2" Deep Aluminum GLR=Fuse and Holder RIF=Radio Interference Filter LVRELAY=Low Voltage Relay</p>	<p>Accessories (order separately) MPR-GGD-1=Full Clear Poly Lens Door No Acrylic Over Exam Hinged Door² MPR-GGD-2=Two Compartment MPR (Lens Poly and Acrylic)² MPR-GGD-3=Three Compartment MPR Hinged Door (Lens Poly and Acrylic)²</p>
<p>Ceiling Type G=Grid F=Flange S=Surface</p>	<p>Ballast EBX3=(3) Ballasts for use with biaxial lamps EBX4=(4) Ballasts for use with biaxial lamps¹</p>				

Notes: For additional options, consult your Cooper Lighting Representative Specifications and dimensions subject to change without notice
¹ Required for 50BX lamps ² Doors come with Phillips fasteners This option will add 1-1/16" to the height of the fixture Hinge is continuous piano hinge



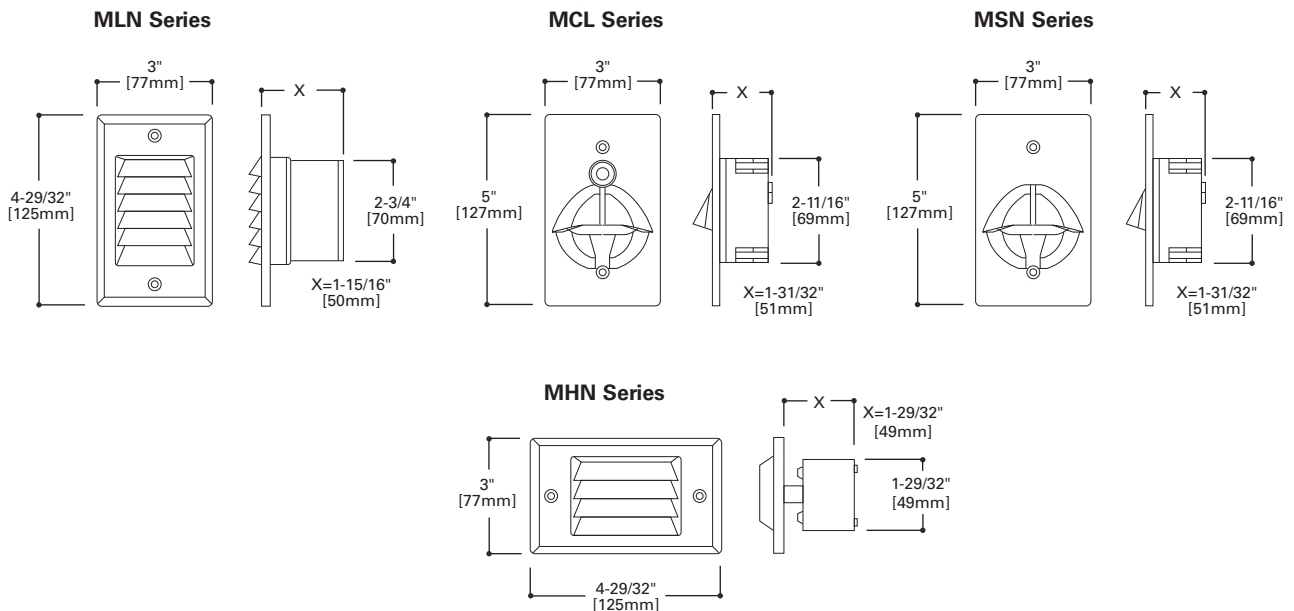
Circadian Series Nightlights

- Energy-efficient LED light in white, amber and red colors
- Fits into standard 1900 junction box with 1-gang plaster ring for easy installation; runs on 120V*
- Unique faceplate design distributes light evenly
- Aluminum louvered or scoop faceplates available; chart light available in scoop only
- Powerful illumination; 30 lumens for MSN and MCL models, 15 lumens for MLN model
- White painted faceplate is standard; black and brushed nickel paint options available
- Wet location and low voltage models available
- UL listed, CSA certified

Circadian Series Nightlights

This series of LED nightlights and chart lights bring soft, low level illumination to any healthcare environment. Fitting into a standard junction box for easy installation, the Circadian™ Series runs on 120V and offers up to 30 lumens of illumination. The MCL Chart Light has an illuminated, push button switch that can be used without disturbing the patient. Ideal for use in areas such as patient rooms, exam rooms, and corridors.

* For retrofit applications, check width, height and depth of existing box.

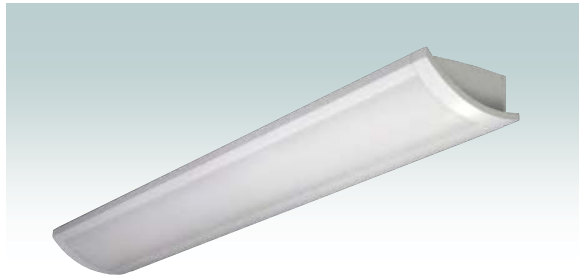


Ordering Information

SAMPLE NUMBER: MSN-W-120-W

<p>Product Family MSN= Medical Scoop Nightlight MLN= Medical Louver Nightlight¹ MCL= Medical Chart Light² MHN= Medical Horizontal Louver</p>	<p>LED Colors W=White WW=Warm White³ A=Amber R=Red</p>	<p>Voltage 120=120V* LV=12V-24V³ *120V standard (product ships with this voltage if not specified)</p>	<p>Faceplate Finish W=White² B=Black BN=Brushed Nickel Custom Colors are available (specify or supply sample, requires a flat fee, consult customer service)</p>	<p>Options WL=Wet Location PHC=Photocell (replaces on/off switch) MCL only</p>
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Notes: ¹Wet location standard on MLN series ²MCL available in white LED and faceplate color only ³Please allow 6-8 weeks for LV and warm white models
 Specifications and dimensions subject to change without notice

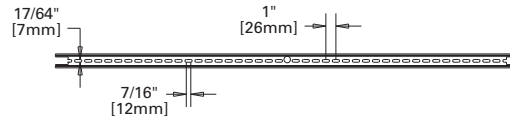
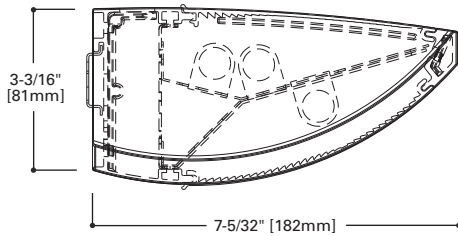


Meditrine Series Bed Light

This architecturally styled wall mounted luminaire meets the demands of today's healthcare facilities. The Meditrine provides optimal reading and ambient light with specially designed optics. Its sleek, low profile design uses minimal wall space and helps enhance the look of any healthcare environment. A unique mounting system offers easy "no tool" installation and maintenance. The Meditrine is designed for use in healthcare facilities, specifically for use in patient rooms over beds to facilitate all tasks required by both patient and medical professional.

Meditrine Series Bed Light

- Provides optimal reading and ambient light
- Low profile design uses minimal wall space
- Multi-position switching option for patient or facility control
- Unique "no-tool" mounting system for easy installation and maintenance
- High quality construction extruded aluminum housing with die cast aluminum end caps
- Both top and bottom smooth, prismatic acrylic lenses snap into place no tools required
- Designed for use with T5HO or T8 lamps
- UL listed, CSA certified



Din Rail used for Mounting Fixture Supplied by Cooper

Ordering Information

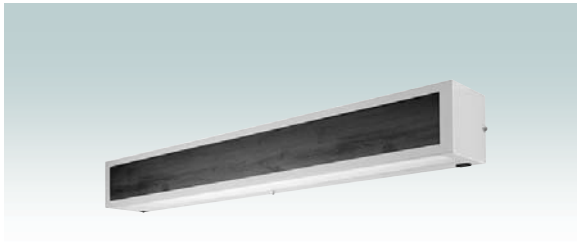
SAMPLE NUMBER: MPBL-2/139-120-EB82-LVCP-MW

<p>Series MPBL=Medical Patient Bed Light</p>	<p>Lamp Type 36" Nom Length T5HO Fluorescents 2/139=(3) 39W Lamps 2 Up, 1 Down 1/139=(2) 39W Lamps 1 Up, 1 Down</p> <p>48" Nom Length T5HO Fluorescents 2/154=(3) 54W Lamps 2 Up, 1 Down 1/154=(2) 54W Lamps 1 Up, 1 Down</p> <p>T8 Fluorescents 1/132=(2) 32W Lamps 1 Up, 1 Down 1/125=(2) 25W Lamps 1 Up, 1 Down</p>	<p>Voltage 120=120V 277=277V UNV=120V through 277V</p>	<p>Ballast (2 Electronic Ballasts are standard) EB52=T5² EB82=T8² D=Dimming Ballast²</p>	<p>Options LVCP=Low Voltage Controller¹ AM=Antimicrobial Paint GLR=Fuse and Holder PS4=Pull Chain³ NRLR=White LED Nurse Chart Light - Left Side Mounted NRLR=White LED Nurse Chart Light - Right Side Mounted</p>	<p>Finish Options Matte White standard (if not specified, fixture ships with this color) IH=Almond Finish DP=Dark Platinum Custom Colors are available (specify or supply sample, requires a flat fee, consult customer service)</p>
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Special Claims: When mounting, installer must verify fixture weight in selecting proper anchoring; when not anchoring directly to stud Refer to installation instructions

The depicted luminaire is not rated for hazardous locations or adverse environments. Illustrations and photographs depicted in this literature are representative examples only. Consult the appropriate certified and licensed lighting engineering and installation professionals for site-specific applications of products and codes

Notes: ¹ LVCP option only works with certain ballasts. Please consult factory if specific ballast is required. Not available with all options. ² Maximum ballast dimensions are 1" height and 2" width. ³ 120V only. Specifications and dimensions subject to change without notice.



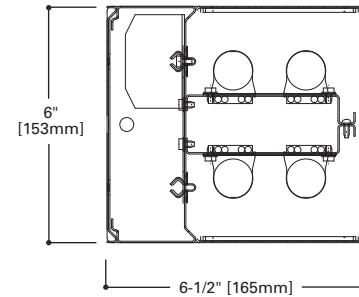
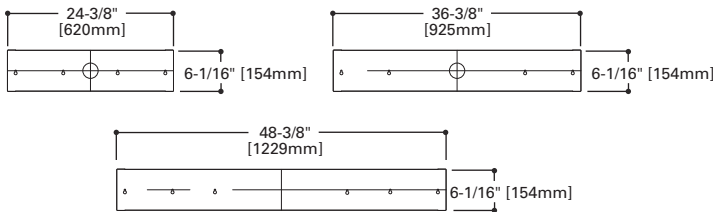
MPWC Series Wall Mounted Luminaire

- Lens is .125" thick, prismatic K12 pattern, acrylic lens is standard
- Nickel-plated thumbscrews are standard (requires no tools to remove lens assembly)
- Housing is 18 gauge, die-formed, cold rolled steel with seam-welded ends
- MPWA uses T8 Linear Fluorescent and T5 HO Linear Fluorescent
- Ballast options include T8 Electronic Instant Start, T5 Electronic Programmed Start and T8 Magnetic-HPF
- High gloss white polyester powder coat finish is standard on exterior housing; interior reflector is high reflectance white
- UL/CUL listed for damp locations

MPWC Series Wall Mounted Luminaire

The MPWC series combines a multi-function, wall mounted fixture with contemporary styling. Through innovative features, the MPWC accommodates for multiple applications throughout the healthcare environment. One fixture supplies the patient room with task lighting for the room and offers practical solutions to the patient and medical staff for everyday tasks.

MOUNTING



Ordering Information

SAMPLE NUMBER: MPWC-2/232-120-EB82-PS4-GCO-NRLL

<p>Series MPWC= Medical Patient Wall Contemporary</p>	<p>Voltage 120=120V 277=277V 347=347V UNV=120V-277V</p>	<p>Ballast 2 Electronic Ballasts are Standard EB82=T8 EB52=T5 LEOC8=Magnetic energy savings ballast (T8 only, min 2 per fixture)¹</p>	<p>Switching Control Options PICK ONE BELOW or (if no switching option is specified, fixture ships with leads left unwired for switch wiring completed in field) PS4=4 position pull chain² PS1D=2 position pull chain (controls bottom lamp only, upper lamps on separate circuit)² LVCP=Low voltage controller, patient controlled (patient controls all lamps)² LVCF=Low voltage controller, facility controlled as needed¹</p>	<p>Options EBP=Emergency battery pack¹ (no red, yellow, or green charge light will be provided) FNL=Fluorescent Night Light, 2-pin (G23 Base), 7 or 9W twin tube (Lamps by others) LNL=LED Night Light (50,000 hrs) provided by Cooper GCO=Grounded Convenience Outlet, right side mounted facing unit² (Non Hospital Grade Only) GCOL=Grounded Convenience Outlet, left side mounted facing unit² GLR=Fuse and holder NRLR=White LED Nurse Chart Reading Light, right side mounted facing unit² NRLL=White LED Nurse Chart Reading Light, left side mounted facing unit² RIF=Radio Interference Filter For use with T8 magnetic ballast only (1 per ballast)¹ SFP=Machine Screws, Philips Head Natural Stainless Steel SF1=Tamper-proof Torx™ -Head Fasteners DTP=Decorative Trim Panel (specify from choices available below or supply sample) Example: DTPBO=Decorative Trim Panel Bannister Oak BO=Bannister Oak WC=Wild Cherry LM=Limber Maple WM=Windsor Mahogany NT=Nepal Teak</p>	<p>Finish Options (If not specified, fixture ships with standard high gloss white finish) MF=Metallic Finish DP=Dark Platinum IH=Almond Finish Custom Colors are available (specify or supply sample, requires a flat fee, consult customer service) SSN=Stainless Steel Natural (brushed finish) SSP=Stainless Steel Painted (Standard high gloss white or specify finish) (i.e SSP-DP)</p>
<p>Lamp Type 24" Nom Length T8 Fluorescents 1/117=(2) 17W Lamps 1 Up, 1 Down 1/217=(3) 17W Lamps 1 Up, 2 Down 2/117=(3) 17W Lamps 2 Up, 1 Down 2/217=(4) 17W Lamps 2 Up, 2 Down T5HO Fluorescents 1/124=(2) 24W Lamps 1 Up, 1 Down 1/224=(3) 24W Lamps 1 Up, 2 Down 2/124=(3) 24W Lamps 2 Up, 1 Down 2/224=(4) 24W Lamps 2 Up, 2 Down</p>		<p>36" Nom Length T8 Fluorescents 1/125=(2) 25W Lamps 1 Up, 1 Down 1/225=(3) 25W Lamps 1 Up, 2 Down 2/125=(3) 25W Lamps 2 Up, 1 Down 2/225=(4) 25W Lamps 2 Up, 2 Down T5HO Fluorescents 1/139=(2) 39W Lamps 1 Up, 1 Down 1/239=(3) 39W Lamps 1 Up, 2 Down 2/139=(3) 39W Lamps 2 Up, 1 Down 2/239=(4) 39W Lamps 2 Up, 2 Down</p>			
		<p>48" Nom Length T8 Fluorescents 1/132=(2) 32W Lamps 1 Up, 1 Down 1/232=(3) 32W Lamps 1 Up, 2 Down 2/132=(3) 32W Lamps 2 Up, 1 Down 2/232=(4) 32W Lamps 2 Up, 2 Down T5HO Fluorescents 1/154=(2) 54W Lamps 1 Up, 1 Down 1/254=(3) 54W Lamps 1 Up, 2 Down 2/154=(3) 54W Lamps 2 Up, 1 Down 2/254=(4) 54W Lamps 2 Up, 2 Down</p>			

Notes: For additional options, consult your Cooper Lighting Representative
Special Claims: When mounting, installer must verify fixture weight in selecting proper anchoring; when not anchoring directly to stud Refer to installation instructions
 The depicted luminaire is not rated for hazardous locations or adverse environments Illustrations and photographs depicted in this literature are representative examples only Consult the appropriate certified and licensed lighting engineering and installation professionals for site-specific applications of products and codes
 Specifications and dimensions subject to change without notice
¹ Due to internal size limitations, some configurations and options are not available with other options Consult customer service ² 120V only

Accessories
(Order Separately)
MBC=Momentary button cord switch May be used with LVCP or LVCF options to control lamps (See Switching Controls)
VRSD=Tamper-proof TORX® -Head Screwdriver



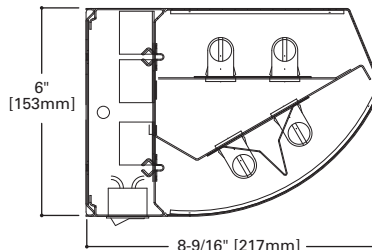
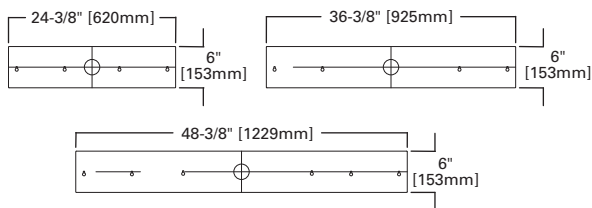
MPWA Series Wall Mounted Luminaire

The MPWA series combines a multi-function, wall mounted luminaire with the architectural styling of today's healthcare environment. Through innovative features, the MPWA accommodates for multiple applications throughout the healthcare environment while offering an appealing design for all architectural tastes. The MPWA luminaire has been designed with the patient and healthcare professional in mind.

MPWA Series Wall Mounted Luminaire

- Up light: .125" thick, prismatic K12 pattern, acrylic lens is standard; Down light: .125" thick, contoured drape formed, prismatic K12 pattern, acrylic lens is standard
- Nickel-plated thumbscrews are standard (requires no tools to remove lens assembly)
- Housing is 18 gauge, die-formed, cold rolled steel with seam-welded ends
- MPWA uses T8 Linear Fluorescent or T5 HO Linear Fluorescent
- Ballast options include T8 Electronic Instant Start, T5 Electronic Programmed Start and T8 Magnetic-HPF
- High gloss white polyester powder coat finish is standard on exterior housing; interior reflector is high reflectance white
- UL/CUL listed for damp locations

MOUNTING



Ordering Information

SAMPLE NUMBER: MPWA-2/232-120-EB83-EXLL-PS4

<p>Series MPWA = Medical Patient Wall Architectural</p> <p>Lamp Type 24" Nom Length T8 Fluorescents 1/217=(3) 17W Lamps 1 Up, 2 Down 2/217=(4) 17W Lamps 2 Up, 2 Down</p> <p>T5HO Fluorescents 1/224=(3) 24W Lamps 1 Up, 2 Down 2/224=(4) 24W Lamps 2 Up, 2 Down</p> <p>36" Nom Length T8 Fluorescents 1/225=(3) 25W Lamps 1 Up, 2 Down 2/225=(4) 25W Lamps 2 Up, 2 Down</p> <p>T5HO Fluorescents 1/239=(3) 39W Lamps 1 Up, 2 Down 2/239=(4) 39W Lamps 2 Up, 2 Down</p> <p>48" Nom Length T8 Fluorescents 1/232=(3) 32W Lamps 1 Up, 2 Down 2/232=(4) 32W Lamps 2 Up, 2 Down</p> <p>T5HO Fluorescents 1/254=(3) 54W Lamps 1 Up, 2 Down 2/254=(4) 54W Lamps 2 Up, 2 Down</p>	<p>Voltage 120=120V 277=277V 347=347V UNV=120V-277V</p>	<p>Ballast 3 Electronic Ballasts are Standard</p> <p>EB83=T8 EB53=T5</p> <p>LEOC8=Magnetic energy savings ballast (T8 only, min 3 per fixture)¹</p> <p>Exam Light EXLR=Exam Light, Switch Right Side Mounted Facing Unit EXLL=Exam Light, Switch Left Side Mounted Facing Unit</p>	<p>Switching Control Options PICK ONE BELOW or (if no switching option is specified, fixture ships with leads left unwired for switch wiring completed in field)</p> <p>PS4=4 position pull chain²</p> <p>PS1D=2 position pull chain (controls bottom lamp only, upper lamps on separate circuit)²</p> <p>LVCP=Low voltage controller, patient controlled (patient controls all lamps)¹</p> <p>LVCF=Low voltage controller, facility controlled as needed¹</p>	<p>Options EBP=Emergency battery pack¹ (no red, yellow, or green charge light will be provided)</p> <p>FNL=Fluorescent Night Light, 2-pin (G23 Base), 7 or 9w twin tube (Lamps by others)</p> <p>LNL=LED Night Light (50,000 hrs) provided by Cooper</p> <p>GCO=Grounded Convenience Outlet, right side mounted facing unit² (Non Hospital Grade Only)</p> <p>GCOL=Grounded Convenience Outlet, left side mounted facing unit²</p> <p>GRL=Fuse and holder</p> <p>NRLR=White LED Nurse Chart Reading Light, right side mounted facing unit²</p> <p>NRL=White LED Nurse Chart Reading Light, left side mounted facing unit²</p> <p>RIF=Radio Interference Filter For use with T8 magnetic ballast only (1 per ballast)¹</p> <p>SFP=Machine Screws, Philips Head Natural Stainless Steel</p> <p>SF1=Tamper-proof Torx™ -Head Fasteners</p> <p>AM=Antimicrobial Paint</p>	<p>Finish Options (If not specified, fixture ships with standard white finish)</p> <p>MF=Metallic Finish DP=Dark Platinum IH=Almond Finish Custom Colors are available (specify or supply sample, requires a flat fee, consult customer service)</p> <p>SSN=Stainless Steel Natural (brushed finish) SSP=Stainless Steel Painted (Standard high gloss white or specify finish) (i.e SSP-DP)</p>
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Notes: For additional options, consult your Cooper Lighting Representative
Special Claims: When mounting, installer must verify fixture weight in selecting proper anchoring; when not anchoring directly to stud Refer to installation instructions
 The depicted luminaire is not rated for hazardous locations or adverse environments. Illustrations and photographs depicted in this literature are representative examples only. Consult the appropriate certified and licensed lighting engineering and installation professionals for site-specific applications of products and codes
 Specifications and dimensions subject to change without notice
¹ Due to internal size limitations, some configurations and options are not available with other options. Consult customer service ² 120V only

Accessories
(Order Separately)
 MBC=Momentary button cord switch May be used with LVCP or LVCF options to control lamps (See Switching Controls)
 VRSD=Tamper-proof TORX® -Head Screwdriver

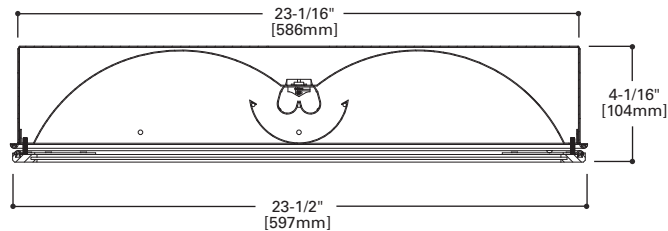


SGI Series Sealed Indirect Fluorescent

- Architectural design with perforated center basket provides soft indirect illumination
- Enclosed housing and door protect against infiltration of airborne bacteria
- Completely sealed luminaire is IP65 rated
- Designed for easy cleaning
- Manufactured in accordance with U.S.D.A., F.D.A., N.S.F. and Federal Standard 209E is standard
- UL listed, CSA certified

SGI Series Sealed Indirect Fluorescent

The SGI Series meets the requirements for an architecturally styled, completely sealed indirect luminaire. For use in horizontal applications, the enclosed and gasketed housing, and one-piece door protects against infiltration of airborne bacteria. The die formed edges on the door frame, and the single stamped housing together prevent airborne bacteria from entering the fixture and plenum. Applications include patient rooms, hallways, exam and critical care areas.



Ordering Information

SAMPLE NUMBER: SGI-G-254-277-CA12-EB51-GLR

<p>Series SGI=Indirect Fluorescent</p>	<p>Ceiling G=Grid F=Flange</p>	<p>Lamp Type 2' Fixture Length T5 Fluorecents 214=(2) 14W Lamps 314=(3) 14W Lamps 217=(2) 17W Lamps 317=(3) 17W Lamps T5HO Fluorecents 224=(2) 24W Lamps 324=(3) 24W Lamps T8 Fluorecents 217=(2) 17W Lamps 4' Fixture Length T5 Fluorecents 228=(2) 28W Lamps 328=(3) 28W Lamps T5 Fluorecents 254=(2) 54W Lamps 354=(3) 54W Lamps T8 Fluorecents 232=(2) 32W Lamps</p>	<p>Voltage 120=120V 277=277V UNV=120V-277V</p> <p>Lens Type CA08=Clear Acrylic 085 CP08=Clear Polycarbonate 085</p>	<p>Electronic Ballast EB51=(1) Ballast for use with T5 Lamp EB52=(2) Ballasts for use with T5 Lamp EB81=(1) Ballast for use with T8 Lamp EB82=(2) Ballasts for use with T8 Lamp</p>	<p>Options EBP=Emergency Battery Pack³ GLR=Fuse and Holder RIF=Radio Frequency Interference Filter AM=Antimicrobial Finish</p>
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Notes: For additional options please consult Cooper Lighting Representative. Specifications and Dimensions are subject to change without notice. Electronic ballast may cause interference with other electronic devices. If interference occurs, move the device away from the product or plug/connect into a different circuit/outlet. ¹For specific electronic ballast, specify brand and catalog number. ²Consult your Cooper Lighting Representative for dimensional details. ³When choosing EBP option, dedicated voltage must be specified. Not available in all configurations. Please consult factory.

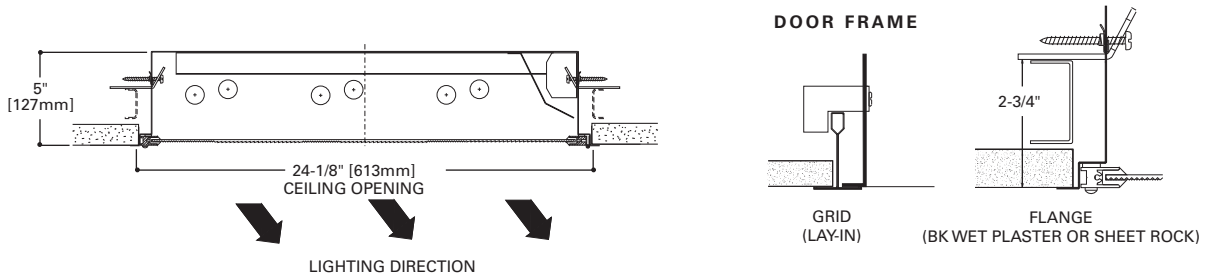


MOR Series Surgical Luminaires

Fail-Safe's development of the asymmetric/symmetric MOR Series represents the latest technology in precise control of light to the surgical task and to the surrounding area, and allows multi-level lighting without changing the character of the lighting distribution. The MOR's high efficiency and precise lighting distribution delivers higher illumination to the surgical task area than similar luminaires, thus requiring less energy to achieve comparable illumination results. Quality and value are maintained to provide the best performance and the most cost effective solution for your design needs.

MOR Series Surgical Luminaires

- Surgical luminaire provides task and perimeter lighting for operating rooms
- .130" min. one piece injection molded UV stabilized polycarbonate lens
- Four recessed stainless steel TORX® screws with center pin reject
- 16 ga. CRS reflector with white high reflectance polyester powder coat finish
- Optional cast aluminum SCE Housing with black polyester powder coat finish available
- One piece die-cut closed cell EPDM mounting gaskets seal entire lens and housing
- Meets MIL-STD 461E for control of radiated and conducted EMI
- UL listed, CSA certified



Ordering Information

SAMPLE NUMBER: MOR-F-632-120-EB82

<p>Product Family MOR=Medical Operating Room Recessed Luminaire</p>	<p>Ceiling Type G=Grid F=Flange</p>	<p>Lamp Type 432=(4) 32W Lamps 632=(6) 32W Lamps 440BX=(4) 40W Biax Lamps</p>	<p>Voltage 120=120V 277=277V 347=347V UNV=120V-277V</p>	<p>Lens ASY/SYM=Standard Asymmetric/Symmetric Lens (Leave Blank) ASY/SYM/RFI=Asymmetric/Symmetric Lens with RFI Grid</p>	<p>Ballast LEOC8=Energy Saving Ballast for use with T8 Lamp</p> <p>Electronic Ballast EB82=(2) Ballasts for use with T8 lamps EB83=(3) Ballasts for use with T8 lamps</p>	<p>Options EBP=Emergency Battery Pack² GLR=Fuse and Holder RIF=Radio Interference Filter AM=Antimicrobial Finish ALXP=Extruded Aluminum/Polyester Powder Coat Finish</p>
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Notes: For additional options, consult your Cooper Lighting Representative Specifications and Dimensions subject to change without notice ¹ Drawing of layout must be provided to Cooper for proper flange configuration ²When choosing EBP option, dedicated voltage must be specified Not available in all configurations Please consult factory

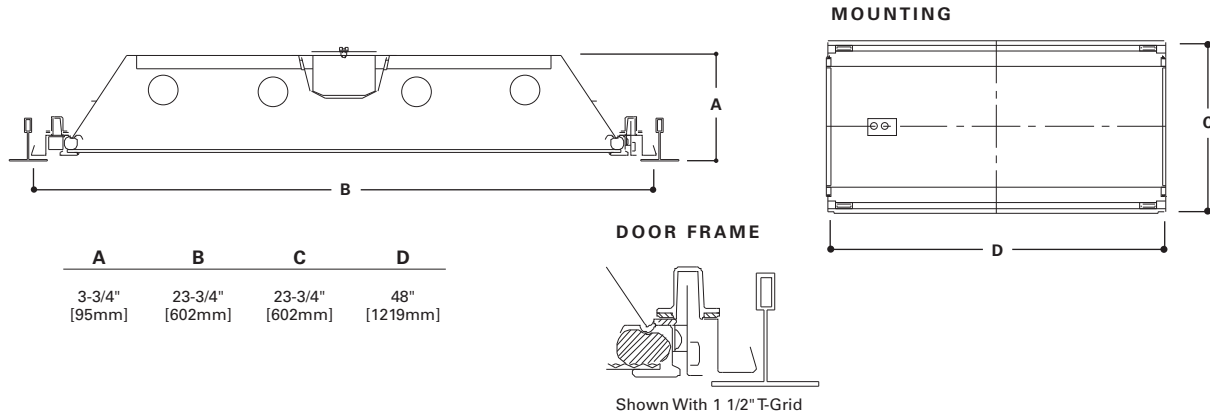


CFD Series Cleanroom Troffers

The Fail-Safe CFD Series Cleanroom Troffer is enclosed and gasketed to maintain ceiling integrity and protect against infiltration of particles and airborne bacteria. The housing and door are designed to work with 1" and 1-1/2" inverted T-Grid ceilings. The sealed, hole-free housing prevents air exchange between the fixture and plenum and allows relamping without contamination of clean areas. Dedicated to today's T8 lamp technology, these luminaires are U.L. listed and C.S.A. certified for wet locations for covered ceiling applications and are manufactured in accordance with U.S.D.A., F.D.A., and Federal Standard 209E. Suitable for use in I.E.S. Class 1,000, 10,000 and 100,000 clean room environments.

CFD Series Cleanroom Troffers

- Nominal 3-3/4" deep recessed housing consists of one-piece, code gauge, prime cold rolled steel. The hole-free embossed housing has full length die formed stiffeners for added strength. End plates are securely attached and completely sealed housing also has full length die formed stiffeners.
- Standard Class P, CBM/ETL ballast
- Electrostatically applied baked white polyester powder enamel finish. Minimum reflectance 90%. Multistage cleaning cycle, iron phosphate coating with rust inhibitor
- Die formed, heavy gauge, extruded aluminum door with reinforced corners and baked white enamel finish
- Lens retained by one piece continuous gasket secured into door frame-creating an environmental seal
- Positive cam action spring loaded, self-locking, black steel latches. Safety-lock hinges allow hinging and latching on either side
- One piece continuous gasket surrounds perimeter of lens and seal lens to door frame. Additional gasketing seals door to housing
- UL listed, CSA certified



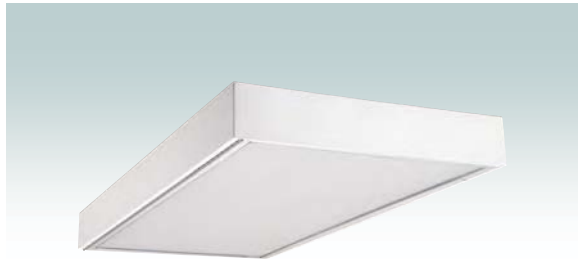
Ordering Information

SAMPLE NUMBER: CFDSF-432A-120-EB81-EL4-U

<p>Series CFD= Fluorescent Grid (Additional Models on the web)</p>	<p>Lamp Type A=#12 Pattern Acrylic A125=#12 Pattern Acrylic (125" Thick) A19/156=#19 Pattern Acrylic (156" Thick) KSH25¹=Bat Wing Distribution POLY12/125=#12 Pattern Polycarbonate (125" Thick)</p>	<p>Ballast Type LEOC8= Energy Saving Ballast (T-8 Lamp Only) EB81= (1) Generic Electronic Ballast EB82= (2) Generic Electronic Ballast</p>	<p>Options (add as suffix) GL=Internal Single Element Fusing EL4=Emergency Lighting (Self-Contained) RIF1=Radio Interference Suppressor EQ=T-BAR Safety Earthquake Clips PSI=200 PSI Hose Down Rating</p>	<p>Accessories (Order Separately) EQ-Clip-U= Safety Earthquake Clips</p>
<p>Door Frame FA=Flat White Extruded Aluminum Door</p>	<p>Voltage 120=120V 277=277V 347=347V UNV=120V-277V</p>	<p>(For Specific Electronic Ballast Specify Brand and Catalog Number)</p>		
<p>Number of Lamps 2, 3 or 4 Lamps (Not included)</p>				
<p>Wattage (Length) 32=32WT8 (48")</p>				

Notes: For additional options, consult your Cooper Lighting Representative. Specifications and Dimensions subject to change without notice. Electronic ballast may cause interference with other electronic devices. If interference occurs, move the device away from the product or plug/connect into a different circuit/outlet.

¹ The KSH25 provides improved visual performance and wide angle distribution. This lens has an integral prism pattern designed so that prisms face the lamp cavity and still supply superior photometrics. Highly recommended for all high tech manufacturing environments.

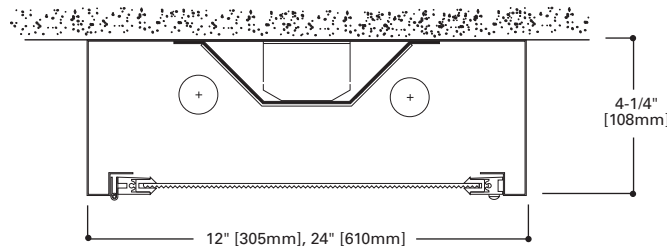


MSM Series Medical Surface Mount

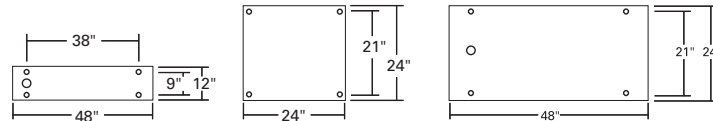
- Standard Class P, CBM/ETL ballast
- Housing is constructed of 20 ga. cold rolled steel
- Baked on low gloss white powder coated polyester-epoxy
- Lamps by Others
- Shielding options available include IK12 lexan prismatic lens, 93 tempered glass lens, and KSH25 acrylic prismatic lens
- UL listed, CSA certified

MSM Series Medical Surface Mount

Enclosed and gasketed, rugged construction and three especially selected shielding elements make this fixture ideally suited for use in various types of public areas. The housing is a completely, enclosed steel chamber. The door is heavy gauge extruded aluminum with mitered corners. The door has a continuous aluminum piano hinge and tamper proof fasteners. The door and shielding are completely gasketed for minimum maintenance. Fixtures are installed as individual or continuous runs.



MOUNTING



LEGEND

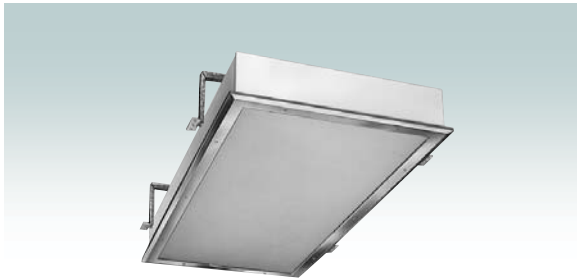
- 7/8" DIA. K.O.
- 3/8" DIA. K.O.
- 11/16" x 2" K.O.
- ≡ TRIPLE 11/16" x 2" K.O.

Ordering Information

SAMPLE NUMBER: MSM-24-228-277-93-EB82-RIF

Series MSM = Medical Surface Mount	Width 12 =1' width (2 Lamps Max) 24 =2' width	Number of Lamps 2 = 2 Lamps 4 = 4 Lamps	Wattage 2' Length 14 =14W T5 Lamp 17 =17W T8 Lamp 24 =24W T5HO Lamp (2 Max for 1' width) 3 Max for 2' width 4' Length 28 =28W T5 Lamp 32 =32W T8 Lamp 54 =54W T5HO Lamp	Voltage 120 =120V 277 =277V 347 =347V UNV =120V-277V	Lens Type IK12 =K-12 Prismatic Acrylic IP12 =K-12 Prismatic Polycarbonate KSH25 =Bat Wing Distribution 93 =Prismatic Tempered Glass	Ballast EB81 =(1) Ballast for use with T8 Lamp EB82 =(2) Ballasts for use with T8 Lamp EB51 =(1) Ballast for use with T5 Lamp EB52 =(2) Ballasts for use with T5 Lamp	Options EBP =Emergency Battery Pack ¹ GLR =Fuse and Holder RIF =Radio Frequency Interference Filter FNL =Fluorescent Night Light, 2 pin (G23 Base), 7 or 9W twin tube (Lamps by others) LNL =LED Night Light (50,000 hrs) provided by Cooper
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Notes: ¹When choosing EBP option, dedicated voltage must be specified Not available in all configurations Please consult factory For additional options, consult your Cooper Lighting Representative Specifications and dimensions subject to change without notice

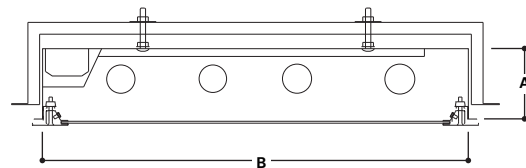


MAF Series Fluorescent Flange

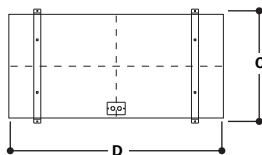
The Fail-Safe MAF Series is designed for use in horizontal or non-laminar air flow clean rooms. The enclosed and gasketed housing and one-piece, outside flanged door protect against infiltration of airborne bacteria. The die formed edges on the door frame and the hole-free design of the housing prevent air exchange between the fixture and plenum, allowing relamping without contamination of the clean areas. These luminaires are U.L. listed and C.S.A. certified for wet locations and are manufactured in accordance with U.S.D.A., F.D.A., N.S.F. and Federal Standard 209E. The MAF Series is suitable for use in I.E.S. Class 100, 1,000, 10,000 and 100,000 clean room environments.

MAF Series Fluorescent Flange

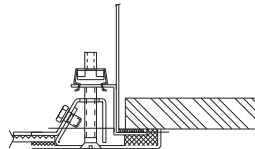
- Rated for high pressure hose down at 200 PSI
- Flush mounted, stainless steel machine screws
- Die-formed, 20 ga. CRS housing with tightly butted and seam welded, sealed end caps. Contains no holes that would allow air passage. Standard white high reflectance polyester powder coat finish
- Unique, Particulock™ lens retention system utilizes continuous, 18 ga. media clampdowns
- Two braided, stainless steel cables on one side of door provide hinging
- One-piece, 18 ga., fully gasketed, outside flanged door
- Standard Class P, CBM/ETL ballast
- White, closed cell, Flexiseal™ gasketing system
- Gasketed access plate with two flattened, 7/8" diameter knockouts
- UL listed, CSA certified



CEILING OPENING



DOOR FRAME



	A	B	C	D
MAF 1' x 4'	4" (102mm)	10 3/4" (273mm)	11 1/16" (281mm)	48 5/16" (1227mm)
MAF 2' x 2'	3 3/4" (95mm)	22 11/16" (576mm)	23 1/16" (586mm)	24 5/16" (617mm)
MAF 2' x 4'	3 3/4" (95mm)	22 11/16" (576mm)	23 1/16" (586mm)	48 5/16" (617mm)

Ordering Information

SAMPLE NUMBER: MAF-24-632-277-ASY/SYM-EB82-GLR

Product Family

MAF=Medical Asymmetric/Symmetric Fluorescent Flange

Width

12=12"
24=24"

Lamp Type

**2' Fixture Length
T8 Fluorescents**
117=(1) 17W Lamp
217=(2) 17W Lamps
317=(3) 17W Lamps
417=(4) 17W Lamps

T12 Fluorescents
120=(1) 20W Lamp
220=(2) 20W Lamps
320=(3) 20W Lamps
420=(4) 20W Lamps

U Lamps

2U 1 5/8=(2) 31WT8 Lamps
3U 1 5/8=(3) 31WT8 Lamps
2U6T8=(2) 32WT8 Lamps
2U6=(2) 40WT12Lamps

Biaxial Fluorescents
140BX=(1) 40W Lamp
240BX=(2) 40W Lamps
340BX=(3) 40W Lamps

Voltage²

120=120V
277=277V
347=347V
UNV=120V-277V

Lens Type

IK12=K-12 Prismatic Acrylic
IP12=K-12 Prismatic Polycarbonate
KSH25¹=Bat Wing Distribution
ASY/SYM=Asymmetric / Symmetric Lens
ASY/SYM/RFI=Asymmetric / Symmetric Lens with RFI grid

**4' Fixture Length
T8 Fluorescents**
132=(1) 32W Lamp
232=(2) 32W Lamps
332=(3) 32W Lamps
432=(4) 32W Lamps
632=(6) 32W Lamps

T12 Fluorescents
140=(1) 40W Lamp
240=(2) 40W Lamps
340=(3) 40W Lamps
440=(4) 40W Lamps

Ballast

LE3=Energy Saving Ballast for use with T12 Lamp

Electronic Ballast^{2,4}

EB81=(1) Ballast for use with T8 Lamp
EB82=(2) Ballasts for use with T8 Lamp
EB21=(1) Ballast for use with T12 Lamp
EB22=(2) Ballasts for use with T12Lamp
EBX1=(1) Ballast for use with Biaxial Lamp
EBX2=(2) Ballasts for use with Biaxial Lamp

NOTE:
Electronic ballast not recommended for surgical suites. Electronic ballast will nullify all RFI shielding. Please specify LE3 or LEOC8 ballast option

Door/Finish Options

Blank=Standard, CRS with baked white finish
SSN=Stainless Steel Door/Brushed 304 Finish
SSP=Stainless Steel Door/Polyester Powder Coat Finish
ALXP=Extruded Aluminum/Polyester Powder Coat Finish
ALP=Formed Aluminum/Polyester Powder Coat Finish
ALX=Extruded Aluminum/Anodized

Options

EBP=Emergency Battery Pack⁵
GLR=Fuse and Holder
RIF=Radio Frequency Interference Filter

Housing Options

SHN=Stainless Steel, Brushed 304 Finish
SHP=Stainless Steel, Polyester Powder Finish
ALH=Aluminum, Polyester Powder Finish

Notes: For additional options, consult your Cooper Lighting Representative. Specifications and Dimensions subject to change without notice. Electronic ballast may cause interference with other electronic devices. If interference occurs move the device away from the product or plug/connect into a different circuit/outlet.

¹The KSH25 provides improved visual performance and wide angle distribution. This lens has an integral prism pattern designed so that prisms face the lamp cavity and still supply superior photometrics. Highly recommended for all high tech manufacturing environments. ²For specific electronic ballast, specify brand and catalog number. ³Products available in non-US voltages and 50 Hz for international markets. Consult your Cooper Lighting Representative for availability and ordering information. ⁴Electronic ballast not available with 20W lamps. ⁵When choosing EBP option, dedicated voltage must be specified. Not available in all configurations. Please consult factory.

Accessories

(Order Separately)
MFCF12-2FT=2FT Mounting Frame
MFCF12-4FT=4FT Mounting Frame
MFCF24-2FT=2FT Mounting Frame
MFCF24-4FT=4FT Mounting Frame



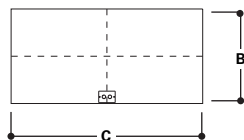
MAG Series Fluorescent Grid

The Fail-Safe MAG Series is designed for use in horizontal or non-laminar air flow clean rooms. The enclosed and gasketed housing and one-piece, outside door frame protect against infiltration of particles and airborne bacteria. The housing and door are designed to work with standard 1" and 1/2" T-grid ceilings and most 2" T-grid ceilings. Door frames feature a gasket design which eliminates ledge or crevice exposure preventing the harboring of contaminants. The MAG Series sealed, hole-free housing prevents air exchange between the fixture and plenum and allows relamping without contamination of clean areas. These luminaires are U.L. listed and C.S.A. certified for wet locations and are manufactured in accordance with U.S.D.A., F.D.A., N.S.F. and Federal Standard 209E.

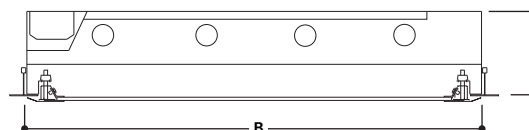
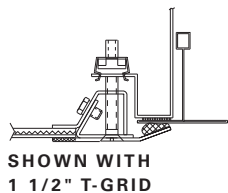
MAG Series Fluorescent Grid

- Rated for high pressure hose down at 200 PSI
- Flush mounted, stainless steel machine screws
- Die-formed, 20 ga. CRS housing contains no holes. Standard white high reflectance polyester powder coat finish
- Unique, Particulock™ lens retention system utilizes continuous, 18 ga. media clampdowns
- Two braided, stainless steel cables on one side of door provide hinging.
- One-piece, 18 ga., fully gasketed, outside door with die-formed and beveled edges
- Standard Class P, CBM/ETL ballast
- White, closed cell, Flexiseal™ gasketing system
- UL listed, CSA certified

CEILING OPENING



DOOR FRAME



	A	B	C
MAG 1' x 4'	4 3/8" (135mm)	11 11/16" (297mm)	48" (1219mm)
MAG 2' x 2'	4 5/16" (110mm)	23 11/16" (602mm)	24" (602mm)
MAG 2' x 4'	4 5/16" (110mm)	23 11/16" (602mm)	48" (1219mm)

Ordering Information

SAMPLE NUMBER: MAG-24-632-277-ASY/SYM-EB82-GLR

Product Family

MAG=Medical
Asymmetric/
Symmetric
Fluorescent Grid

Width

12=12"
24=24"

Lamp Type

24" Fixture Length
T8 Fluorescents
117=(1) 17W Lamp
217=(2) 17W Lamps
317=(3) 17W Lamps
417=(4) 17W Lamps

T12 Fluorescents

120=(1) 20W Lamp
220=(2) 20W Lamps
320=(3) 20W Lamps
420=(4) 20W Lamps

U Lamps

2U 1 5/8=(2) 31WT8 Lamps
3U 1 5/8=(3) 31WT8 Lamps
2U6T8=(2) 32WT8 Lamps
2U6=(2) 40WT12Lamps

Biaxial Fluorescents

140BX=(1) 40W Lamp
240BX=(2) 40W Lamps
340BX=(3) 40W Lamps

48" Fixture Length

T8 Fluorescents
132=(1) 32W Lamp
232=(2) 32W Lamps
332=(3) 32W Lamps
432=(4) 32W Lamps
632=(6) 32W Lamps

T12 Fluorescents

140=(1) 40W Lamp
240=(2) 40W Lamps
340=(3) 40W Lamps
440=(4) 40W Lamps

Lens Type

IK12=K-12 Prismatic
Acrylic
IP12=K-12 Prismatic
Polycarbonate
KSH25¹=Bat Wing
Distribution)
ASY/SYM=
Asymmetric/sym
metric lens
ASY/SYM/RFI=
Asymmetric/sym
metric lens with
RFI grid

Ballast

LE3=Energy Saving
Ballast for use with
T12 lamp

Electronic Ballast^{2,4}

EB81=(1) Ballast for use
with T8 Lamp
EB82=(2) Ballasts for use
with T8 Lamp
EB21=(1) Ballast for use
with T12 Lamp
EB22=(2) Ballasts for use
with T12Lamp
EBX1=(1) Ballast for use
with Biaxial Lamp
EBX2=(2) Ballasts for use
with Biaxial Lamp

NOTE:

Electronic ballast not recommended for surgical suites. Electronic ballast will nullify all RFI shielding. Please specify LE3 or LEOC8 ballast option

Door/Finish Options

Blank=Standard, CRS with
baked white finish
SSN=Stainless Steel Door/
Brushed 304 Finish
SSP=Stainless Steel Door/
Polyester Powder Coat
Finish
ALXP=Extruded
Aluminum/Polyester
Powder Coat Finish
ALP=Formed
Aluminum/Polyester
Powder Coat Finish
ALX=Extruded
Aluminum/Anodized

Options

EBP=Emergency
Battery Pack⁵
GLR=Fuse and
Holder
RIF=Radio Frequency
Interference Filter

Housing Options

SHN=Stainless Steel,
Brushed 304
Finish
SHP=Stainless Steel,
Polyester Powder
Finish
ALH= Aluminum,
Polyester Powder
Finish

Notes: For additional options, consult your Cooper Lighting Representative. Specifications and Dimensions subject to change without notice. Electronic ballast may cause interference with other electronic devices. If interference occurs, move the device away from the product or plug/connect into a different circuit/outlet.

¹The KSH25 provides improved visual performance and wide angle distribution. This lens has an integral prism pattern designed so that prisms face the lamp cavity and still supply superior photometrics. Highly recommended for all high tech manufacturing environments.
²For specific electronic ballast, specify brand and catalog number. ³Products available in non-US voltages and 50 Hz for international markets. Consult your Cooper Lighting Representative for availability and ordering information. ⁴Electronic ballast not available with 20W lamps. ⁵When choosing EBP option, dedicated voltage must be specified. Not available in all configurations. Please consult factory.

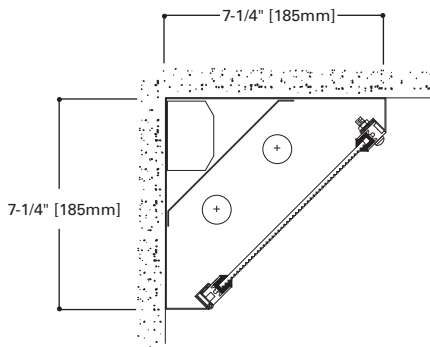


MCM Medical Task/Luminaire

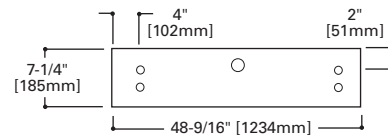
- (1) or (2) T8, 3' or 4' rapid start lamps
- Standard Class P, CBM/ETL ballast
- Housing is 20 ga cold rolled steel
- Baked on low gloss white powder coated polyester-epoxy finish
- Shielding options available are IK12 lexan prismatic lens, 93 tempered glass lens, and KSH25 acrylic prismatic lens
- UL listed, CSA certified

MCM Medical Task/Luminaire

Rugged construction and three especially selected shielding elements make this fixture ideally suited for use in various types of security areas including psychiatric wards and public corridors. The housing is a completely, enclosed steel chamber. The door is heavy gauge extruded aluminum with mitered corners. The door has a continuous aluminum piano hinge and tamper proof fasteners. Fixtures are installed individually or in continuous runs.



MOUNTING



LEGEND

- 7/8" DIA. K.O.
- 3/8" DIA. K.O.

Ordering Information

SAMPLE NUMBER: MCM-232-120-IP12-EB82-SSP-EBP

<p>Series MCM= Medical Corner Mount</p>	<p>Lamp Type 132=(1) 32W T8 Lamp 232=(2) 32W T8 Lamps 128=(1) 28W T5 Lamp 228=(2) 28W T5 Lamps 154=(1) 54W T5HO Lamp 254=(2) 54W T5HO Lamps</p> <p>Voltage 120=120V 277=277V 347=347V UNV=120V-277V</p>	<p>Lens Type IK12=K-12 Prismatic Acrylic IP12=K-12 Prismatic Polycarbonate KSH25=Bat Wing Distribution 93=Prismatic Tempered Glass</p>	<p>Ballast EB81=(1) Ballast for use with T8 Lamp EB82=(2) Ballasts for use with T8 Lamp EB51=(1) Ballast for use with T5 Lamp EB52=(2) Ballasts for use with T5 Lamp</p>	<p>Door Finish Options SSN=Stainless Steel Door & Trim / Brushed 304 Finish SSP=Stainless Steel Door & Trim / Polyester Powder Coat Finish</p>	<p>Options EBP=Emergency Battery Pack¹ GLR=Fuse and Holder RIF=Radio Frequency Interference Filter FNL=Fluorescent Night Light, 2 pin (G23 Base), 7 or 9W twin tube (Lamps by others) LNL=LED Night Light (50,000 hrs) provided by Cooper</p>
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Notes: ¹When choosing EBP option, dedicated voltage must be specified. Not available in all configurations. Please consult factory. For additional options, consult your Cooper Lighting Representative. Specifications and dimensions subject to change without notice.

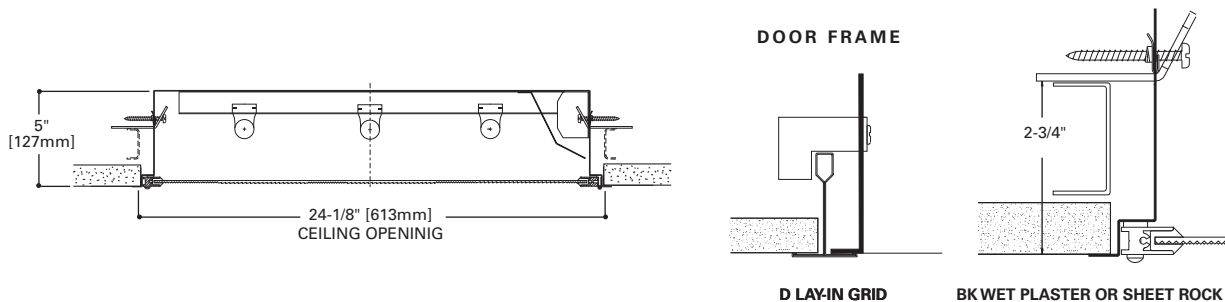


MRM Series Medical Recessed Luminaire

- Recessed, 1/2" liquid tight connector
- Lamps by Others
- Housing is 20 ga cold rolled steel
- Baked on low gloss white powder coated polyester-epoxy finish
- Gasketed door for wet location
- Shielding options available are IK12 lexan prismatic lens, 93 tempered glass lens, and KSH25 acrylic prismatic lens
- UL listed, CSA certified

MRM Series Medical Recessed Luminaire

Enclosed and gasketed, rugged construction and three especially selected shielding elements make this fixture ideally suited for use in various types of medical applications. The door is constructed of heavy gauge aluminum and has mitered corners. The doors have a continuous aluminum piano hinge and tamper proof fasteners. The trim, door, and shielding are completely gasketed to minimize maintenance. Flange or lay-in trim styles interface with plaster or mechanical ceilings. Fixtures are installed as individual or in continuous runs.

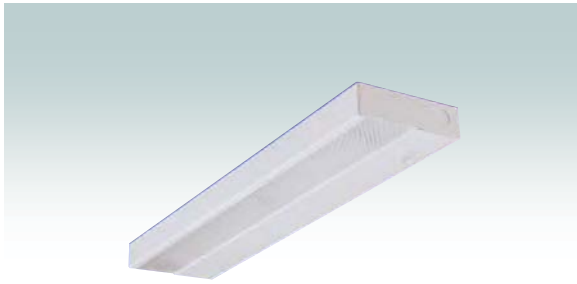


Ordering Information

SAMPLE NUMBER: MRM-G-12-217-120-IP12-EB81-EBP

<p>Series MRM= Medical Recessed (wet location standard)</p>	<p>Mounting G=Grid F=Flange</p>	<p>Width 12=1' width (2 Lamps Max) 24=2' width</p>	<p>Number of Lamps 1=1 Lamp 2=2 Lamps 3=3 Lamps 4=4 Lamps</p>	<p>Voltage 120=120V 277=277V 347=347V UNV=120V-277V</p>	<p>Lens Type IK12=K-12 Prismatic Acrylic IP12=K-12 Prismatic Polycarbonate KSH25=Bat Wing Distribution 93=Prismatic Tempered Glass</p>	<p>Ballast EB81=(1) Ballast for use with T8 Lamp EB82=(2) Ballasts for use with T8 Lamp EB51=(1) Ballast for use with T5 Lamp EB52=(2) Ballasts for use with T5 Lamp</p>	<p>Options EBP=Emergency Battery Pack¹ GLR=Fuse and Holder RIF=Radio Frequency Interference Filter FNL=Fluorescent Night Light, 2-pin (G23 Base), 7 or 9W twin tube (Lamps by others) LNL=LED Nightlight (50,000 hrs) provided by Cooper</p>
			<p>Wattage 2' Length 17W=17W T8 Lamp 40BW=40W Biax Lamp (2 Max for 1' width) (3 Max for 2' width) 4' Length 28W=28W T5 Lamp 32W=32W T8 Lamp 54W=54W T5HO Lamp</p>				

Notes: ¹When choosing EBP option, dedicated voltage must be specified. Not available in all configurations. Please consult factory. For additional options, consult your Cooper Lighting Representative. Specifications and dimensions subject to change without notice.

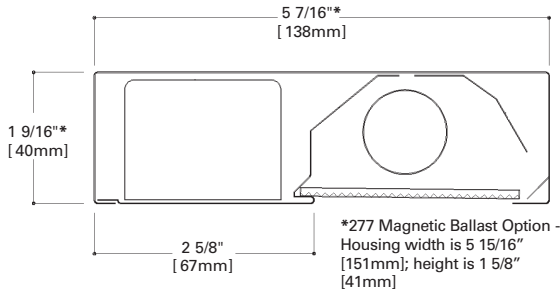


MCS Series Undercabinet

The Fail-Safe Medical/Task Undercabinet Custom Length series provides effective task and enhancement lighting solutions for any application. This solid front specification grade fluorescent undercabinet series incorporates the latest energy efficient technology with fluorescent lamps and electronic or magnetic ballasts to efficiently improve the appearance and productivity of the illuminated environment. Custom lengths in 1/4" increments.

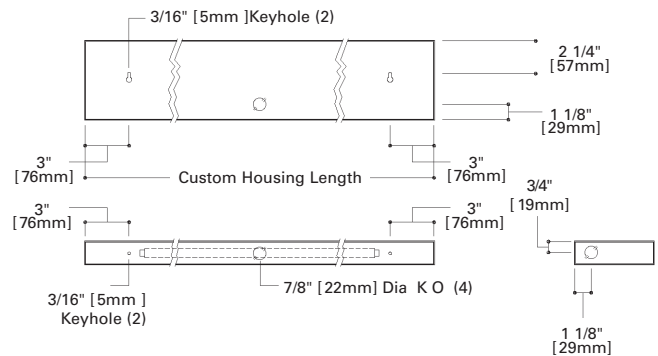
MCS Series Undercabinet

- Choice of clear K12 prismatic acrylic diffuser or batwing symmetric
- Standard integral reflector for improved efficiency
- Internal front reflector optional
- Available in 1-9/16" deep, heavy gauge CRS or optional stainless steel housing construction
- Lamps by others
- Standard white high reflectance, polyester powder coat finish
- Standard, Class P, CBM/ETL ballast
- UL listed, CSA certified, standard damp label



Custom Length Range	Lamp
24-1/4" [616mm] to 59-3/4" [1518mm]	17WT-8/14WT5
36-1/4" [921mm] to 59-3/4" [1518mm]	25WT-8/21WT5
48-1/4" [1225mm] to 59-3/4" [1518mm]	32WT-8/28WT5

MOUNTING



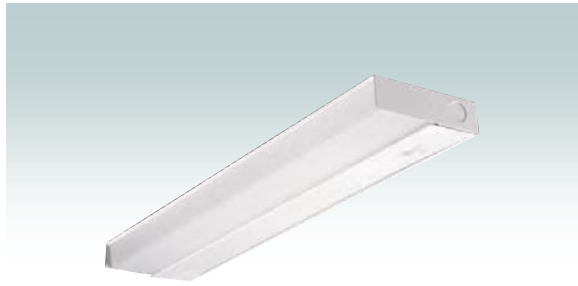
Ordering Information

SAMPLE NUMBER: MCS-25-120-38 25-IK12-EB81

Product Family	Lamp Type	Voltage	Custom Length	Lens Type	Ballasts	Options
MCS=Medical Custom Length Solid Front	T8 Fluorescents 17=(1) 17W Lamp 25=(1) 25W Lamp 32=(1) 32W Lamp T5 Fluorescents 14=(1) 14W Lamp 21=(1) 21W Lamp 28=(1) 28W Lamp 35=(1) 35W Lamp 24=(1) 24W HO Lamp 39=(1) 39W HO Lamp 54=(1) 54W HO Lamp 49=(1) 49W HO Lamp 80=(1) 80W HO Lamp	120=120V 277=277V ¹ 347=347V UNV=120V-277V	24 25" to 59 75" for 17WT8 & 14, 24WT5 36 25" to 59 75" for 25WT8 & 21, 39WT5 48 25" to 59 75" for 32WT8 & 28, 35, 49, 54, 80WT5 Specify in decimal inches as required Factory tolerances ± 1/16"	IK12=K12 Acrylic KSH25=Bat Wing Distribution ⁴ LVR=Hex-Cell Metal Louver	LEOC8=Energy Saving Ballast for use with T8 Lamp Electronic Ballast ³ EB81=(1) Ballast for use with T8 Lamp EB51=(1) Ballast for use with T5 Lamp	(add as suffix) 6CP=Six-foot Cord with Grounded Plug ² GCO=Grounded Convenience Outlet (White) ² GFI=Ground-Fault Outlet (Duplex) ² GLR=GLR Fuseholder with Fuse IFR=Internal Front Reflector RSW=Rocker Switch (White) Stainless Steel Housings SSN=Natural Brushed Finish SSP=White Polyester Powder Coat Finish

Notes: For additional options, consult your Cooper Lighting Representative. Specifications and Dimensions subject to change without notice. Electronic ballast may cause interference with other electronic devices. If interference occurs, move the device away from the product or plug/connect into a different circuit/outlet.

¹ 277V requires 1-5/8" x 5-15/16" housing for magnetic ballast. ² For use with 120V only. ³ For specific electronic ballast, specify brand and catalog number. ⁴ The KSH25 provides improved visual performance and wide angle distribution. This lens has an integral prism pattern designed so that prisms face the lamp cavity and still supply superior photometrics. Highly recommended for all important visual task areas.

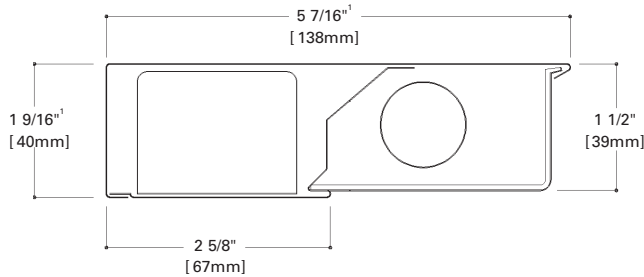


MCT Series Medical/Task Undercabinet

The Fail-Safe Medical/Task Undercabinet series provides effective task and enhancement lighting solutions for any application. This wraparound, specification grade fluorescent series incorporates the latest energy efficient technology with fluorescent lamps and electronic or magnetic ballasts to efficiently improve the appearance and productivity of the illuminated environment. Custom lengths in 1/4" increments.

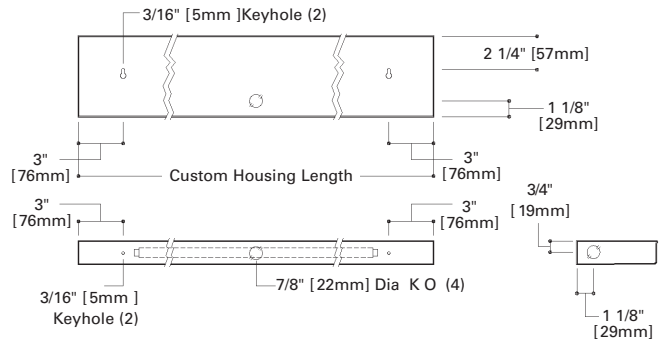
MCT Series Medical/Task Undercabinet

- Choice of extruded 100% acrylic, linear ribbed diffuser with 50% DR additive, or co-extruded lens with opaque white front
- Standard integral reflector for improved efficiency
- Available in 1-9/16" deep, heavy gauge CRS or optional stainless steel housing construction
- Standard white high reflectance, polyester powder coat finish
- Lamps by others
- Standard, Class P, CBM/ETL ballast
- UL listed, CSA certified, standard damp label



Custom Length Range	Lamp
24 1/4" [616mm] to 59 3/4" [1518mm]	17W T-8/14WT5
36 1/4" [921mm] to 59 3/4" [1518mm]	25W T-8/21WT5
48 1/4" [1225mm] to 59 3/4" [1518mm]	32W T-8/28WT5

MOUNTING



Ordering Information

SAMPLE NUMBER: MCT-25-120-38 25-OPL-EB81

<p>Product Family MCT=Medical Custom Length Wraparound Lens</p>	<p>Lamp Type T8 Fluorescents 17=(1) 17W Lamp 25=(1) 25W Lamp 32=(1) 32W Lamp T5 Fluorescents 14=(1) 14W Lamp 21=(1) 21W Lamp 28=(1) 28W Lamp 35=(1) 35W Lamp 24=(1) 24W HO Lamp 39=(1) 39W HO Lamp 54=(1) 54W HO Lamp 49=(1) 49W HO Lamp 80=(1) 80W HO Lamp</p>	<p>Voltage 120=120V 277=277V¹ 347=347V UNV=120V-277V</p>	<p>Custom Length 24 25" to 59 75" for 17WT8 & 14, 24WT5 36 25" to 59 75" for 25WT8 & 21, 39WT5 48 25" to 59 75" for 32WT8 & 28, 35, 49, 54, 80WT5 Specify in decimal inches as required Factory tolerances ± 1/16"</p>	<p>Lens Type OPL= Opal Linear Prism CEX=Co-Extruded (Clear Linear Prism with Opaque White Front)</p>	<p>Ballasts LEOC8=Energy Saving Ballast for use with T8 Lamp Electronic Ballast³ EB81=(1) Ballast for use with T8 Lamp EB51=(1) Ballast for use with T5 Lamp</p>	<p>Options (add as suffix) 6CP=Six-foot Cord with Grounded Plug² GCO=Grounded Convenience Outlet (White)² GF I=Ground-Fault Outlet (Duplex)² GLR=GLR Fuseholder with Fuse RSW=Rocker Switch (White) Stainless Steel Housings SSN=Natural Brushed Finish SSP=White Polyester Powder Coat Finish</p>
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Notes: For additional options, consult your Cooper Lighting Representative. Specifications and Dimensions subject to change without notice. Electronic ballast may cause interference with other electronic devices. If interference occurs, move the device away from the product or plug/connect into a different circuit/outlet.

¹ 277V requires 1-5/8" x 5-15/16" housing for magnetic ballast. ² For use with 120V only. ³ For specific electronic ballast, specify brand and catalog number.

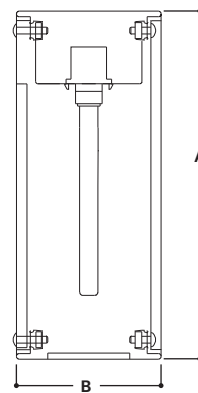


DRX Medical/Task Signage

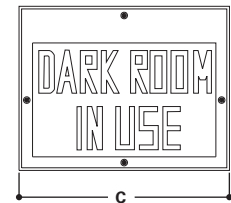
The sleek design of Fail-Safe's DRX Series dark room signage withstands the extreme abuses of hostile environments. Its 18 ga., die-formed, CRS housing utilizes a polycarbonate sign panel which is locked in place with heavy duty thru-studs. The door attaches to the housing with four tamper-resistant fasteners. Incandescent or fluorescent lamps power the unit for energy efficient, even illumination. Many other sign options available including "Open," "Closed," "Do Not Enter," "Caution," "X-Ray In Use", and the physically challenged symbol. UL listed, CSA certified, standard damp label.

DRX Medical/Task Signage

- Die-formed, 14 ga. CRS housing and door frame. All spot welded construction with weld bands at stress points for added strength. Black polyester powder coat finish
- Four captive, stainless steel tamper-resistant TORX® -head screws prevent unauthorized access
- Lamps by others
- One-piece, .125", polycarbonate sign panel secured between door frame and housing bulkhead by flush head thru studs. Lettering is silkscreened in optional letter/panel color combinations
- UL listed, CSA certified

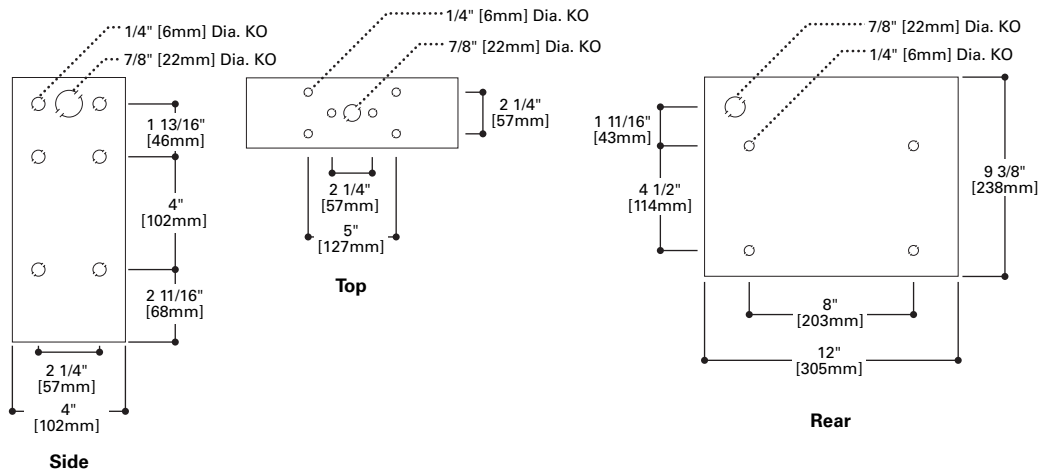


FRONT VIEW



A	B	C
9 3/8"	4"	12"
(238mm)	(102mm)	(305mm)

MOUNTING



Ordering Information

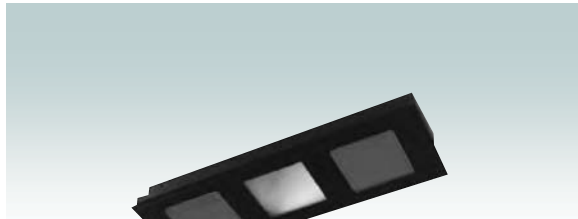
SAMPLE NUMBER: DRX-F-2-RW-120

Series DR=Dark Room	Product Family X=Signage	Lamp Type F=(2) 7-9W Twin Tube I=(2) 20W T6 Lamps	Face options 1=Single Face 2=Double Face	Panel Colors RW=Red Letters on White Face WR=White Letters on Red Face GW=Green Letters on White Face WG=White Letters on Green Face	Voltage ¹ 120=120V 277=277V ²	Options HPF=High Power Factor Capacitor Correction Housing Finishes Blank=Black (Standard) BRZ=Bronze Finish WHT=White Finish	Accessories VRSD=TORX®-Head Vandal Resistant Screwdriver 5460=End and Ceiling Mount Pedestal for "J" Box Mounting
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Note: Other signage available, consult Cooper Lighting Representative

Notes: For additional options, consult your Cooper Lighting Representative Specifications and Dimensions subject to change without notice

¹ Products also available in non-US voltages and 50Hz for international markets Consult your Cooper Lighting Representative for availability and ordering information ² Incandescent 277V comes with stepdown transformer

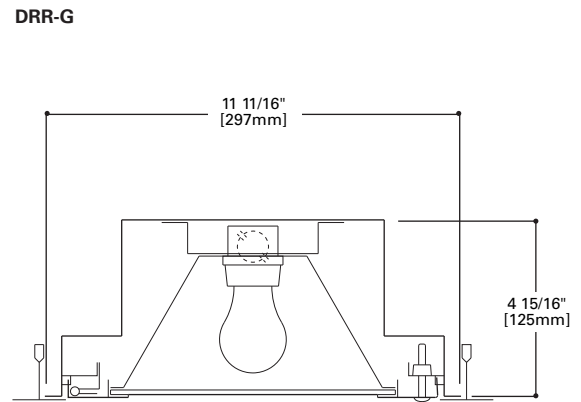
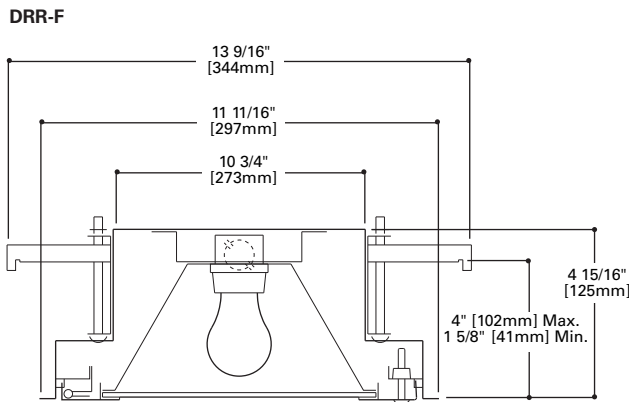


DRR-F/DRR-G Dark Room Safelights

Fail-Safe's DRR-F and DRR-G Series are part of the Dark Room Safelights product line. These energy efficient, durable luminaires feature a die formed 20 gauge housing and door with integral lens/filter retainers, prismatic tempered glass lamp diffuser with up to (2) Kodak® dark room safelight filters, and a smooth black polyester powder coat finish. Gasketing surrounds the door frame and filter reflector(s) to prevent light leaks. Adjustable swing hangers are used for mounting for DRR-F. DRR-G mounts to 1" or 1-1/2" inverted "T" ceiling grids. UL listed, CSA certified, standard damp label.

DRR-F/DRR-G Dark Room Safelights

- Crystal 73 pattern prismatic tempered glass or glass fresnel task lamp diffuser. Choice of up to two (2) Kodak® dark room safelight filters
- Two captive Phillips-head screws standard
- Concealed continuous piano hinge
- Die-formed 20 ga. CRS housing. All spot welded construction. Satin black polyester powder coat finish
- One-piece die formed 20 ga. CRS door with integral lens/filter retainer brackets. Stainless steel door optional
- Lamps by others
- Porcelain socket(s), copper screwshell, silicone braid, 150°C wiring
- Die formed 20 ga. CRS reflector. All spot welded construction. (Filter reflector features one-piece seam welding.)
- Door frame and filter reflector(s) are surrounded by gasketing to prevent light leaks
- Four adjustable swing hangers secure fixture to ceiling
- UL listed, CSA certified



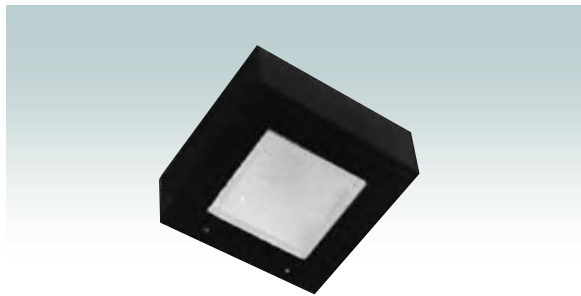
Ordering Information

SAMPLE NUMBER: DRR-F-2/15I-200I-120-2/10-93-SSN

Series DR=Dark Room	Product Family R=Recessed Safelight	Ceiling F=Flange G-Grid	Lamp Type² 1/15I=(1) 15WA15 Filter Lamp 1/15I-200I=(1) 15WA15 Filter Lamp & (1) 200W A21 Task Lamp 2/15I-200I=(2) ³ 15WA15 Filter Lamps & (1) 200W A21 Task Lamp	Voltage 120=120V 277=277V (comes with stepdown transformer)	Filter¹ 2=Dark Red 1=Red 1A=Light Red 3=Dark Green 13=Deep Amber OC=Light Amber	Task Lens 93=Prismatic Tempered Glass GF=Glass Fresnel Lens	Options SSN=Stainless Steel Door/Natural Brushed Finish SF1=Tamperproof Fasteners
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Notes: For additional options, consult your Cooper Lighting Representative. Specifications and Dimensions subject to change without notice.

¹ Kodak recommends frequent filter replacement ² Kodak recommends no more than 15 watts for maximum filter effectiveness ³ For DRR-F-2/15I-200I and DRR-G-2/15I-200I order (2) Filters

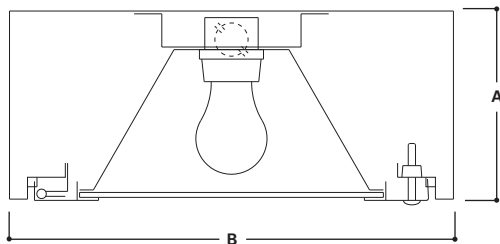


DRS Series Dark Room Safe Lights

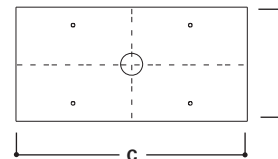
Fail-Safe's DRS Series is part of the Dark Room Safelights product line. These energy efficient, durable luminaires feature a die formed 20 gauge housing and door with integral lens/filter retainers, prismatic tempered glass lamp diffuser with up to (2) Kodak® dark room safelight filters, and a smooth black polyester powder coat finish. Gasketing surrounds the door frame and filter reflector(s) to prevent light leaks. UL listed, CSA certified, standard damp label.

DRS Series Dark Room Safe Lights

- Crystal 73 pattern prismatic tempered glass or glass fresnel task lamp diffuser. Choice of up to two (2) Kodak® dark room safelight filters
- Two captive Phillips-head screws standard. Tamper-resistant TORX® screws are optional
- Concealed continuous piano hinge
- Die-formed 20 ga. CRS housing. Continuous seam welded construction. Satin black polyester powder coat finish
- One-piece die formed 20 ga. CRS door with integral lens/filter retainer brackets. Stainless steel door optional
- Lamps by others
- Porcelain socket(s), copper screwshell, silicone braid, 150°C wiring
- Die formed 20 ga. CRS reflector. All spot welded construction. (Filter reflector features one-piece seam welding.)
- Door frame and filter reflector(s) are surrounded by gasketing to prevent light leaks
- UL listed, CSA certified



MOUNTING



	A	B	C
DRS 1'	5" (127mm)	11 11/16" (297mm)	11 11/16" (297mm)
DRS 2'	5" (127mm)	11 11/16" (297mm)	23 11/16" (602mm)
DRS 3'	5" (127mm)	11 11/16" (297mm)	35 11/16" (906mm)

Ordering Information

SAMPLE NUMBER: DRS-2/15I-200I-120-2/10-93-SSN

Series	Product Family	Lamp Type ²	Voltage ⁴	Filter ^{1,3}	Task Lens	Options
DR =Dark Room	S =Surface Safelight	1/15I =(1) 15WA15 Filter Lamp 1/15I-200I =(1) 15WA15 Filter Lamp & (1) 200W A21 Task Lamp 2/15I-200I =(2) ³ 15WA15 Filter Lamps & (1) 200W A21 Task Lamp	120 =120V 277 =277V (comes with stepdown transformer)	2 =Dark Red 1 =Red 1A =Light Red 3 =Dark Green OC =Light Amber 13 =Deep Amber	93 =Prismatic Tempered Glass GF =Glass Fresnel Lens	SSN =Stainless Steel Door/Natural Brushed Finish SF1 =Tamperproof Fasteners

Notes: For additional options, consult your Cooper Lighting Representative Specifications and Dimensions subject to change without notice

¹ Kodak recommends frequent filter replacement ² Kodak recommends no more than 15W for maximum filter effectiveness ³ For DRS-2/15I-200I order (2) Filters ⁴ Products also available in non-US voltages and 50Hz for international markets Consult your Cooper Lighting Representative for availability and ordering information



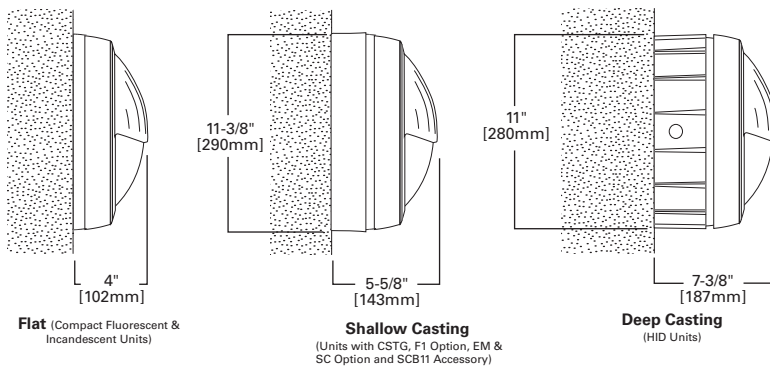
Decorative and Custom Faces shown

Round Series 11" Harmony VR

The Fail-Safe Terrapin Series provides exceptional aesthetics with remarkable strength. The wide variety of products allow an interior and exterior architectural theme throughout an entire facility. ADA compliant, the series is available up to 42W. Cast, extra-heavy aluminum walls of the housings offer rugged durability and afford efficient heat dissipation. AccUVView UV-Guard coating protects the inside and outside of all UV stabilized polycarbonate lenses. The combination of narrow prismatic blondels on the interior and a prescription texture on the exterior of the lens provides exceptional lamp masking. Lifetime warranty against breakage.

Round Series 11" Harmony VR

- Lens is one piece injection molded polycarbonate, .125" thick. In clear prismatic, opal, red, blue, green or yellow, the lens is scientifically designed to obscure lamp image while maintaining efficiency. All lenses are provided with AccUVView UV guard on interior and exterior surfaces.
- Precision cast aluminum housing. Extra-heavy thickness, minimum .125" thick, promotes durability and efficient heat dissipation. Marine-grade low-copper alloy aluminum resists corrosion.
- Faceplate designs consist of high-impact, injection molded, .125" minimum thickness, polycarbonate overlay attached to lens with two recessed stainless steel TORX fasteners. Provide true 360° backlit halo effect. Custom faces available-consult Cooper Lighting Representative.
- HID and Incandescent sockets are Porcelain medium base sockets with nickel-plated brass screw shell. Compact Fluorescent sockets are polycarbonate.
- HID Ballasts are standard HPF with minimum starting temperatures of 40°C (-40°F) for HPS and -30°C (-20°F) for MH. Compact Fluorescent ballasts are electronic, universal voltage 120-277V, with minimum starting temperatures of -17°C (0°F).
- Available in various configurations see 5th Edition Buyer's Guide pgs. 1409-1412.
- UL listed, CSA certified



Ordering Information

SAMPLE NUMBER: TRE11-C-126CT-DT-BK-L

<p>Product T=Terrapin</p> <p>Shape R=Round</p> <p>Style B=Border Paint S=Single Band E=Eyelid F=Four Quadrant O=Open Face R=Ring G=Mogul Q=Marquee T=Tri-Band M=Meridian K=Spoke C=Custom Dome^{8 9 10}</p>	<p>Size 11=11"¹¹</p> <p>Lens C=Clear prismatic O=Opal RD=Red BL=Blue GN=Green YL=Yellow</p>	<p>Lamp Qty / Type Compact Fluorescent 1/26CT 1/32CT 1/42CT² 1/57CT^{4 5 6} HID 1/50MH 1/70MH³ 1/100MH³ 1/50HPS 1/70HPS 1/100HPS³ Incandescent 1/50IN 1/60IN³ 1/75IN³</p>	<p>Voltage Compact Fluorescent: DT=Universal 120-277V Ballast 347V=347V Ballast HID: DT=Dual-tap 120/277V Ballast (Wired 277) 347V=347V Ballast Incandescent: 120V=120V Fixture</p> <p>Color BK=Black WH=White</p>	<p>Options EM=Emergency Battery Pack (Fluorescent Only)⁴ F1=Single Fuse 120, 277, or 347V (with HID specify single voltage only)⁴ L=With lamp⁷ SC=Surface conduit taps w/plugs (standard with HID units) CSTG=Shallow Casting</p>	<p>Accessories (Order Separately) VRSD=TORX[®] screwdriver VRSB=TORX screwdriver bit SCB11=Surface conduit box, 11"</p>
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Notes: For additional options, consult your Cooper Lighting Representative. Specifications and dimensions subject to change without notice. Products also available in non-US voltages and 50Hz for international markets.

¹ Ceiling mount only ² Ceiling mount requires CSTG Option Shallow Casting, TRO11-C-142CT-DT-BK-CSTG ³ Not available with eyelid style ⁴ Supplied standard with shallow casting (CSTG) ⁵ Wall Mount Only ⁶ For use with compact triple fluorescent lamps (Sylvania Dulux T/E IN, 57W recommended); shipped standard with Terrapin 11" 57W CFL fixtures ⁷ Standard on all MH fixtures ⁸ Maximum wattage is 100 watts ⁹ Special handling required - consult your Cooper Lighting Representative ¹⁰ Please prefix with the letters PDR (Product Deviation Request) TORX[®] is a registered trademark of Camcar Division of Textron Inc.

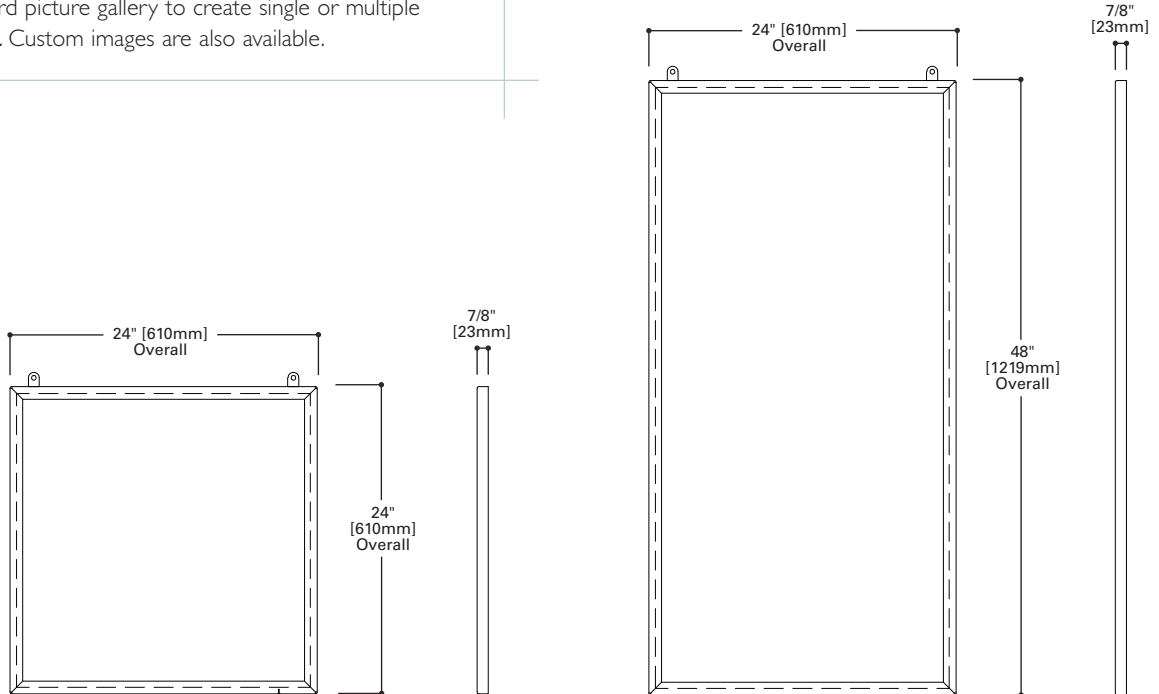


CV-LEL Changing Views LED Wall

The Fail-Safe Changing Views Series is a new series of visual therapy luminaires by Cooper Lighting. Designed to bring warmth, ambience, and positive energy into a variety of environments, these luminaires help create a calming influence throughout any facility. The CV Series is designed with an extremely thin profile and is ADA compliant. Choose from a variety of images in the standard picture gallery to create single or multiple murals. Custom images are also available.

CV-LEL Changing Views LED Wall Luminaire

- Extremely thin profile
- Unique, LED edge lit design provides up to 100,000 hours of illumination
- Snap face frame for tool-free, quick and easy graphic change out
- 1/8" acrylic high quality photographic lens
- High quality, durable and lightweight construction
- Energy efficient
- ADA compliant
- Non-ferrous version available for MRI applications



Ordering Information

SAMPLE NUMBER: CV-LEL-W-120-244-SCNPR613

<p>Product Family CV=Changing Views</p> <p>LEL=LED Edge Lit</p> <p>Mounting W=Wall</p>	<p>Voltage 120=120V (Transformer will be supplied with a cord) 277=277V (Transformer will be supplied with a cord)</p>	<p>Configuration Wall 22=22" x 28" 24=24" x 24" 243=24" x 36" 244=24" x 48" 30=30" x 40" 36=36" x 48" (Custom sizes available up to 48" x 96" for wall mount Consult Cooper Lighting for additional information)</p>	<p>Frame Anodized silver finish standard (leave blank) (Custom powder coat finishes available Consult Cooper Lighting for additional information)</p> <p>Image Reference www.cooperhealthcaresolutions.com for image selection and part numbers</p>	<p>Options MRI=Non-ferrous version</p>
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Notes: For additional options please consult Cooper Lighting Representative Specifications and Dimensions subject to change without notice



CV-LEL LED Recessed Grid Luminaire

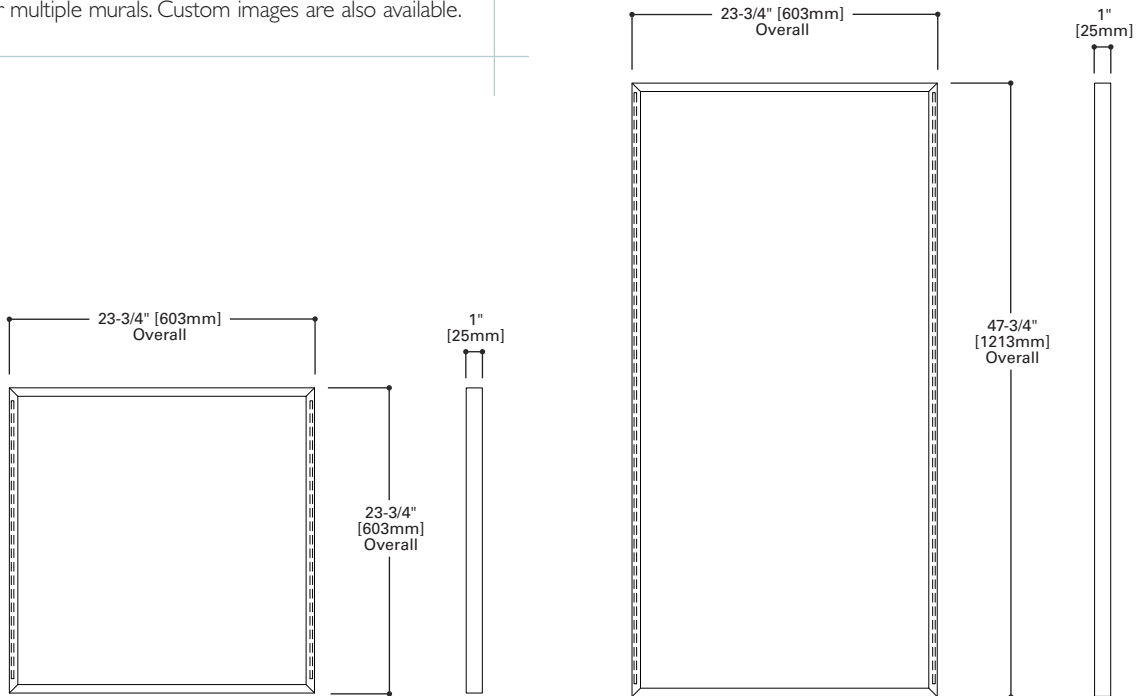
- Extremely thin profile
- Unique, LED edge lit design provides up to 100,000 hours of illumination
- 1/8" acrylic high quality photographic lens
- High quality, durable and lightweight construction
- Energy efficient
- ADA compliant
- Non-ferrous version available for MRI applications

CV-LEL LED Recessed Grid

The Fail-Safe Changing Views Series is a new series of visual therapy luminaires by Cooper Lighting. Designed to bring warmth, ambience, and positive energy into a variety of environments, these luminaires help create a calming influence throughout any facility. The CV Series is designed with an extremely thin profile. Choose from a variety of images in the standard picture gallery to create single or multiple murals. Custom images are also available.

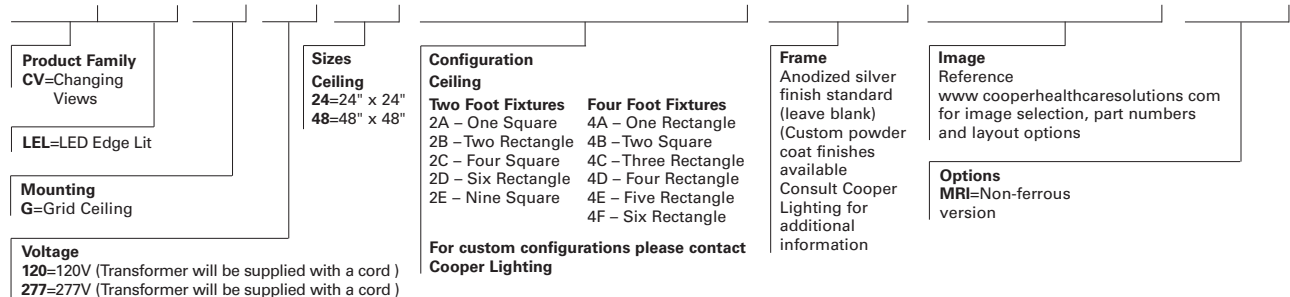
CONFIGURATION EXAMPLES

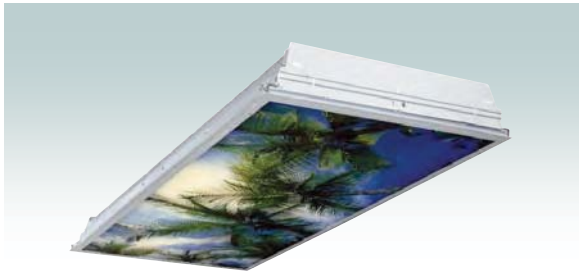
- Select desired imagery from the gallery (visit our web site at www.cooperhealthcaresolutions.com)
- Select a configuration and corresponding luminaire layout
- Indicate all the above information when placing an order



Ordering Information

SAMPLE NUMBER: CV-LEL-G-120-244-SCNPR613



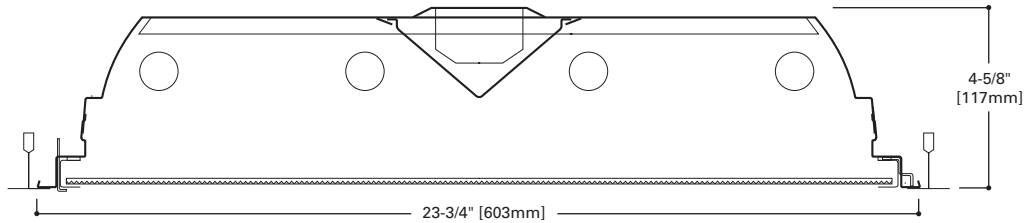


CV-2VRGC Changing Views Fluorescent Recessed

- Available in 2' x 2' and 2' x 4' configurations
- Choice of (3) or (4) T8 fluorescent lamps
- High quality photographic lens depicting nature imagery
- Dimming option available
- Includes four torx screws to ensure lens security
- UL and cUL listed
- Ideal for areas throughout the healthcare facility

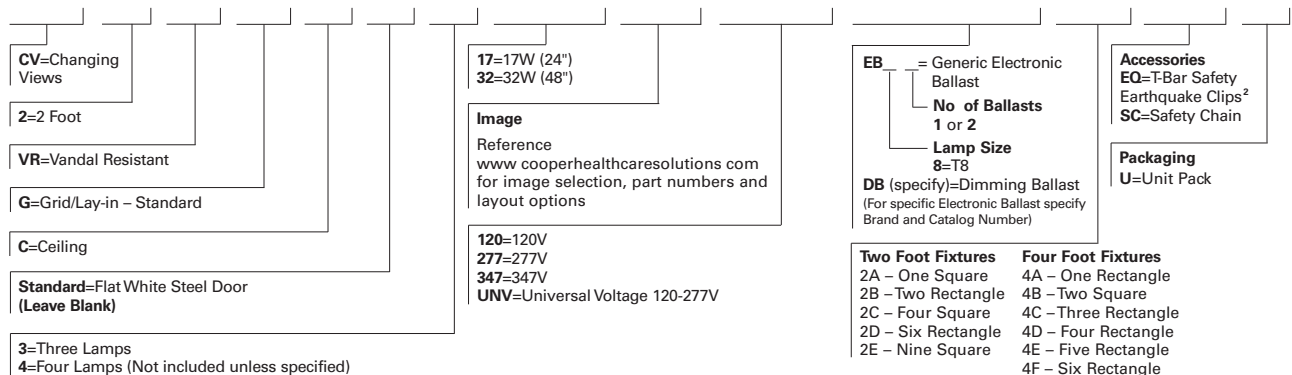
CV-2VRGC Fluorescent Recessed Grid

The Changing Views Series is a new series of visual therapy luminaires incorporating the 2VRGC by Fail-Safe. Designed to bring warmth, ambience, and positive energy into a variety of environments, these luminaires help create a calming influence throughout any facility. Choose from a variety of images in the standard picture gallery to create single or multiple murals.



Ordering Information

SAMPLE NUMBER: CV-2VRGC-432-ARISP3940-UNV-PAF-EB81-4A-U



Notes: For additional options please consult Cooper Lighting Representative Specifications and Dimensions subject to change without notice ¹Two ballast in 2 or 4 lamp require LAO (less access opening) ²EQ Grid Clip is recommended for all 9/16" ceiling systems ⁴Consult Pre Sales Technical Support

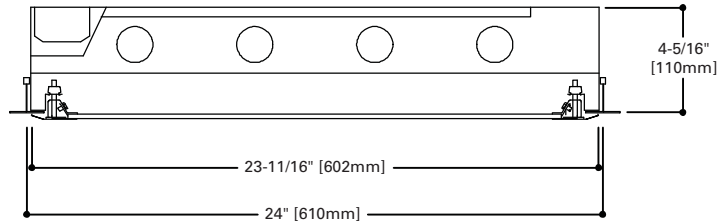


CV-CFG Fluorescent Recessed Grid

The Changing Views Series is a new series of visual therapy luminaires incorporating the CFG by Fail-Safe. Designed to bring warmth, ambience, and positive energy into a variety of environments, these luminaires help create a calming influence throughout any facility. Choose from a variety of images in the standard picture gallery to create single or multiple murals. The CFG Series is designed for use in horizontal or non-laminar air flow clean rooms. The enclosed and gasketed housing and one-piece, outside door frame protect against infiltration of particles and airborne bacteria.

CV-CFG Changing Views Recessed Luminaire

- Sealed, recessed fluorescent; clean room rated
- Available in 2' x 2' and 2' x 4' configurations
- High quality photographic lens depicting nature imagery
- Choice of (3) or (4) T8 or T5 lamps
- Enclosed and gasketed housing protects against airborne bacteria
- One piece, outside doorframe for added fixture protection
- Designed for 1" or 1-1/2" T-grid ceilings
- Dimming option available
- UL and CSA certified for wet locations



Ordering Information

SAMPLE NUMBER: CV-CFG-24-417-UNV-ARINO3999-EB81-2C

<p>CV=Changing Views</p> <p>CFG=Fluorescent Grid Type</p> <p>24=24"</p>	<p>120=120V 277=277V UNV=Universal Voltage 120-277V</p> <p>Image Reference www.cooperhealthcaresolutions.com for image selection, part numbers and layout options</p>	<p>EB81=(1) Ballast for use with T8 Lamp EB82=(2) Ballasts for use with T8 Lamp EB51=(1) Ballast for use with T5 Lamp EB52=(2) Ballasts for use with T5 Lamp D=Dimming Ballast (specify)</p>	<p>Door/Finish Options Blank=Standard CRS with Baked White Finish SSN=Stainless Steel Door/Brushed 304 Finish ALP=Aluminum Door/Polyester Powder Finish</p>																											
<table border="0"> <tr> <td>2' Fixture Length</td> <td>4' Fixture Length</td> </tr> <tr> <td>T8 Fluorescents</td> <td>T8 Fluorescents</td> </tr> <tr> <td>317=(3) 17W Lamps</td> <td>332=(3) 32W Lamps</td> </tr> <tr> <td>417=(4) 17W Lamps</td> <td>432=(4) 32W Lamps</td> </tr> <tr> <td></td> <td>T5 Fluorescents</td> </tr> <tr> <td></td> <td>328=(3) 28W Lamps</td> </tr> <tr> <td></td> <td>428=(4) 28W Lamps</td> </tr> </table>	2' Fixture Length	4' Fixture Length	T8 Fluorescents	T8 Fluorescents	317 =(3) 17W Lamps	332 =(3) 32W Lamps	417 =(4) 17W Lamps	432 =(4) 32W Lamps		T5 Fluorescents		328 =(3) 28W Lamps		428 =(4) 28W Lamps	<p>Blank=Standard, CRS with baked white finish SSN=Stainless Steel Door/Brushed 304 Finish SSP=Stainless Steel Door/Polyester Powder Coat Finish ALP=Aluminum Door/Polyester Powder Coat Finish ALX=Extruded Aluminum Door/Clear Anodized Finish ALXP=Extruded Aluminum Door/Polyester Powder Coat Finish</p>	<table border="0"> <tr> <td>Two Foot Fixtures</td> <td>Four Foot Fixtures</td> </tr> <tr> <td>2A – One Square</td> <td>4A – One Rectangle</td> </tr> <tr> <td>2B – Two Rectangle</td> <td>4B – Two Square</td> </tr> <tr> <td>2C – Four Square</td> <td>4C – Three Rectangle</td> </tr> <tr> <td>2D – Six Rectangle</td> <td>4D – Four Rectangle</td> </tr> <tr> <td>2E – Nine Square</td> <td>4E – Five Rectangle</td> </tr> <tr> <td></td> <td>4F – Six Rectangle</td> </tr> </table>	Two Foot Fixtures	Four Foot Fixtures	2A – One Square	4A – One Rectangle	2B – Two Rectangle	4B – Two Square	2C – Four Square	4C – Three Rectangle	2D – Six Rectangle	4D – Four Rectangle	2E – Nine Square	4E – Five Rectangle		4F – Six Rectangle
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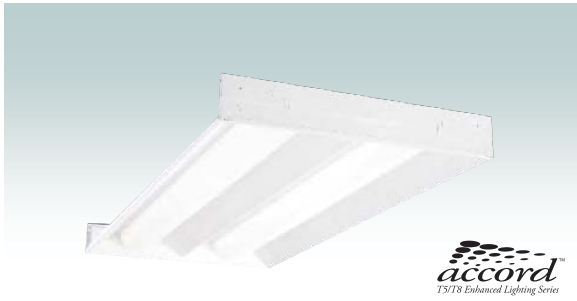
*Lamps not included unless specified

Notes:
For additional options please consult Cooper Lighting Representative. Specifications and Dimensions subject to change without notice. Electronic ballast may cause interference with other electronic devices. If interference occurs, move the device away from the product or plug/connect into a different circuit/outlet.

¹ For specific electronic ballast, specify brand and catalog number



Offices/Conference Rooms

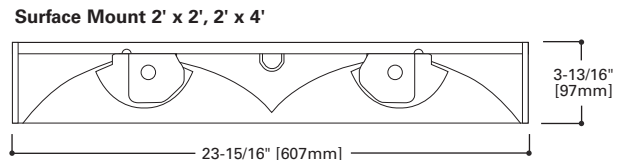
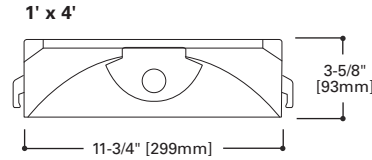
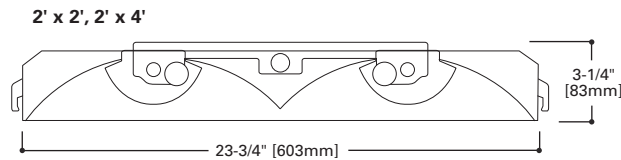


accord Series Recessed Troffer

The accord redefines fluorescent lighting by improving on aesthetics, comfort and energy savings. The accord provides the right amount of light while eliminating surface shadows commonly found in parabolics and increases the comfort level while providing significant energy savings. Ideal for use throughout the entire healthcare facility.

accord Series Recessed Troffer

- Improved visual perception
- Enhanced space
- Dark spots (cave effect) associated with parabolics are eliminated
- Attractive contemporary design
- Significant energy savings
- Concealed air return available in recessed, 2' x 2' and 2' x 4' sizes
- Diffuser options available in smooth, round perf and square perf
- Available in 1' x 4', 2' x 2' and 2' x 4' sizes. Surface mount available in 2' x 2' and 2' x 4' sizes (T5 only)
- Shallow depth (3-1/4") and structural integrity makes for a quick and easy installation
- Lamp maintenance is as simple as removing the refractors



Ordering Information

SAMPLE NUMBER: 2AC-228T5-UNV-L5541-EBT1NDIM-U

<p>Rating Blank= Standard NY=New York Rated ATW-SW4= Chicago Rated</p>	<p>Number of Lamps (Not included) 1=1 Lamp (1' x 4' only) 2=2 Lamp (2' x 2', 2' x 4' only)</p>	<p>Shielding Blank=Frosted Acrylic (standard) SQP=Lens with Square Pattern Insert⁴ RDP=Lens with Round Pattern Insert⁴</p>	<p>Lamps T5 Lamps L5835=T5 Lamp, 3500K L5841=T5 Lamp, 4100K L5835HL=T5 Lamp, 28W, 3500K, 2770 Lumens L5841HL=T5 Lamp, 28W, 4100K, 2770 Lumens T8 Lamps L8835=T8 Lamp, 17W, 28W and 32W, 3500K⁵ L8841=T8 Lamp, 17W, 28W and 32W, 4100K⁵ L8835HL=T8 Lamp, 32W, 3500K, 3100 Lumens L8841HL=T8 Lamp, 32W, 4100K, 3100 Lumens</p>	<p>Ballast Type EB5 =T5 Biax Electronic Instant Start Total Harmonic Distortion < 20% No of Ballast 1 or 2 EBT =T5 Linear Electronic Program Rapid Start Total Harmonic Distortion < 10% No of Ballast 1 or 2 Ballast Factor/Type (For 14WT5 and 28WT5 Lamp Only) N=Normal Light Output 95 BF² H=High Light Output 115 BF² NDIM=Normal 95-10 BF Step Dimming³ HDIM=High 115 BF Step Dimming³ EB8 =T8 Electronic Instant Start Total Harmonic Distortion < 10% No of Ballast 1 or 2 EB8_/PLUS= T8 Electronic Instant Start High Ballast Factor >113 Total Harmonic Distortion < 20% No of Ballast 1 or 2 ER8 =T8 Electronic Program Start Total Harmonic Distortion < 10% No of Ballast 1 or 2 HPT8 Ballast</p>	<p>Packaging U=Unit Pack PALC=Job Pack, in carton</p>
<p>Width 2=2' Width Blank=1' Width</p>	<p>Wattage (Length) 28T5=28W T5 (48") 54T5=54W T5HO (48") 14T5=14W T5 (24") 24T5=24W T5HO (24") BX40=40W Compact Fluorescent (24") 32=32W T8 (48") 28T8=28W T8 (48")⁵ 17=17W T8 (24")</p>	<p>Voltage¹ UNV=Universal Voltage 120-277</p>	<p>Options GL=Single Element Fuse GM=Double Element Fuse Flex=Flex installed EL=Emergency Installed</p>	<p>EB8_/PLUS= T8 Electronic Instant Start High Ballast Factor >113 Total Harmonic Distortion < 20% No of Ballast 1 or 2 ER8 =T8 Electronic Program Start Total Harmonic Distortion < 10% No of Ballast 1 or 2 HPT8 Ballast</p>	

Notes: ¹ Products also available in non-US voltages and frequencies for international markets ² 95 and 115 ballast factor available for 14WT5 and 28WT5 lamps only ³ Step Dimming Ballast available for 14WT5 and 28WT5 lamps only ⁴ 2' x 2' and 2' x 4' only ⁵ When utilizing 28WT8 lamps, HPT8 ballast must be specified Other ballast restrictions may apply For complete product data, reference the Fluorescent Specification binder Specifications & dimensions subject to change without notice Consult your Cooper Lighting Representative for availability and ordering information



Offices/Conference Rooms |

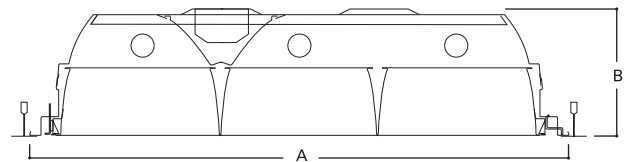


2EP3 Series Parabolic

The Parallax III series features recessed aesthetics and the latest in energy efficient technology. The luminaire incorporates a 3" precision cell louver into a nominal 5-1/2" deep para-contoured fixture housing. This combination creates a total high performance parabolic optical assembly for optimum performance. The Parallax III series offers balanced illumination with reduced glare, increased VCP's and excellent shielding. The series is compatible with all of today's popular ceiling systems.

Parallax III Parabolic

- Equipped with energy saving ballasts/complies with federal energy efficiency standards
- Computer designed, precision cell louver technology
- Field convertible feature
- Self locking spring loaded cam latches/T hinges
- Four auxiliary fixture end suspension points provided
- Interlocking tabs and screws secure end plates
- End plate grid-lock feature⁽¹⁾
- Efficient air handling options
- DLS Dimming Ballasts are available
- Floating louver/black reveal
- UL/cUL Listed. Suitable for damp locations



Nominal Size	A	B
1' x 4'	11-3/4" (298mm)	6-5/8" (168mm)
1' x 4' (OU)	11-3/4" (298mm)	8-1/4" (210mm)
2' x 2'	23-3/4" (603mm)	5-5/8" (143mm)
2' x 4'	23-3/4" (603mm)	5-5/8" (143mm)
20" x 24"	19-3/4" (502mm)	5-5/8" (143mm)
20" x 48"	19-3/4" (502mm)	5-5/8" (143mm)

Louver Options for Parallax III

Housing Size	Louver Cell Configuration*	Number of Cells
1' x 2'	13, 14, 23, 24	3, 4, 6, 8
1' x 4'	16, 18, 26, 28	6, 8, 12, 16
2' x 2'	23, 33, 34, 44	6, 9, 12, 16
20" x 24"	23, 24, 33, 34	6, 8, 9, 12
20" x 48"	26, 36, 38	12, 18, 24
2' x 4'	26, 28, 36, 38, 46, 48	12, 16, 18, 24, 24, 32

*Example: 36= 3 rows of 6 (18 cells)

Ordering Information

SAMPLE NUMBER: 2EP3GAX-332S36I-120V-EB81-U

<p>Width 2'=2' width Blank=1' width or 20" width</p> <p>EP=Parallax Louver</p> <p>3=3" Louver Depth</p> <p>Trim Type G=Grid/Lay-in (Standard) G or T=Concealed T G or T=Slot Grid² F=Flange Trim MZ=Modular Trim Convertible Fixture³ Standard G (Grid) Type-Fixtures can be field converted to T-option or vice-versa. Fixture also adaptable with flanged or modular trims</p> <p>AX=Air Supply Floating Louver X=Blank Side/Floating Louver - Non-Air Supply (Omit A) AVX=Air Supply Floating Louver with Directional Air Vane (Add V)</p> <p>2048=20" Width x 48" Length 2024=20" Width x 24" Length</p>	<p>Number of Lamps⁴ 1, 2, 3 or 4 lamps (Not included)</p> <p>Wattage (Length) U6T8=31W T8 (24") 17=17W T8 (24") U15/8=31W T8 (24") BX40=40W BiAx (24") 32=32W T8 (48") 28T8=28W T8 (48")⁷</p> <p>Louver Color S=Silver W=White</p> <p>Cell Configuration* (See below for Louver Options)</p> <p>Louver Finish H=Semi-Specular/Haze (Gold only) I=Semi-Specular/Haze (Low Iridescent) Standard (Silver Only) MI=Specular/Mirrored (Low Iridescent) (Silver Only) P=Painted (White only)</p>	<p>Voltage⁵ 120V=120 Volt 277V=277 Volt 347V=347 Volt UNV=Universal Voltage 120-277⁶</p> <p>Options GL=Single Element Fuse GM=Double Element Fuse WTR=White Reveal Lamps - for lamps installed Flex - for flex installed EL=Emergency Installed</p>	<p>Lamps T5 Lamps L5835=T5 Lamp, 3500K L5841=T5 Lamp, 4100K L5835HL=T5 Lamp, 28W, 3500K, 2770 Lumens L5841HL=T5 Lamp, 28W, 4100K, 2770 Lumens T8 Lamps L8835=T8 Lamp, 17W, 28W and 32W, 3500K⁷ L8841=T8 Lamp, 17W, 28W and 32W, 4100K⁷ L8835HL=T8 Lamp, 32W, 3500K, 3100 Lumens L8841HL=T8 Lamp, 32W, 4100K, 3100 Lumens</p>	<p>Ballast Type Blank=Standard Magnetic Ballast (40W BiAx only) EB5 =T5 BiAx Electronic Instant Start Total Harmonic Distortion < 20% No. of Ballast 1 or 2 EBT =T5 Linear Electronic Program Rapid Start Total Harmonic Distortion < 10% No. of Ballast 1 or 2 Ballast Factor/Type (For 14W T5 and 28W T5 Lamp Only) N=Normal Light Output 95 BF² H=High Light Output 115 BF² NDIM=Normal 95-10 BF Step Dimming⁸ HDIM=High 115 BF Step Dimming⁸ EB8 =T8 Electronic Instant Start Total Harmonic Distortion < 10% No. of Ballast 1 or 2 EB8 /PLUS= T8 Electronic Instant Start High Ballast Factor >113 Total Harmonic Distortion < 20% 1 or 2 ER8 =T8 Electronic Program Start Total Harmonic Distortion < 10% No. of Ballast 1 or 2</p> <p>HPT8 Ballast HB8_L=T8 Electronic Instant Start Low Ballast Factor 77 HB8 =T8 Electronic Instant Start Ballast Factor 88 HB8_N=T8 Electronic Instant Start Normal Ballast Factor 10 HB8_H=T8 Electronic Instant Start High Ballast Factor 115-12 HR8_DIM=T8 Electronic Program Start Step Dimming Ballast Factor 88 HR8_L=T8 Electronic Program Start Low Ballast Factor 77 HR8 =T8 Electronic Program Start Ballast Factor 88 HR8_H=T8 Electronic Program Start High Ballast Factor 115-12</p>	<p>Options</p> <p>Packaging U=Unit Pack PAL=Job Pack, out of carton PALC=Job Pack, in carton</p>
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Notes: ¹ Integral end plate grid lock feature not available in heat removal ² An EQ Grid Clip is recommended for all 9/16" ceiling systems ³ Convertibility applies to housing only, appropriate shielding media assemblies must be utilized ⁴ Standard off-center ballast on 3-lamp fixtures ⁵ Products also available in non-US voltages and frequencies for international markets ⁶ Not available when specifying emergencies, voltage must be specific ⁷ When utilizing 28W T8 lamps, HPT8 ballast must be specified ⁸ Other ballast restrictions may apply For complete product data, reference the Fluorescent Specification binder Specifications & dimensions subject to change without notice Consult your Cooper Lighting Representative for availability and ordering information



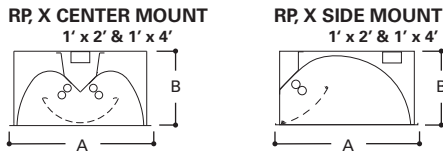
Offices/Conference Rooms |



Ovation

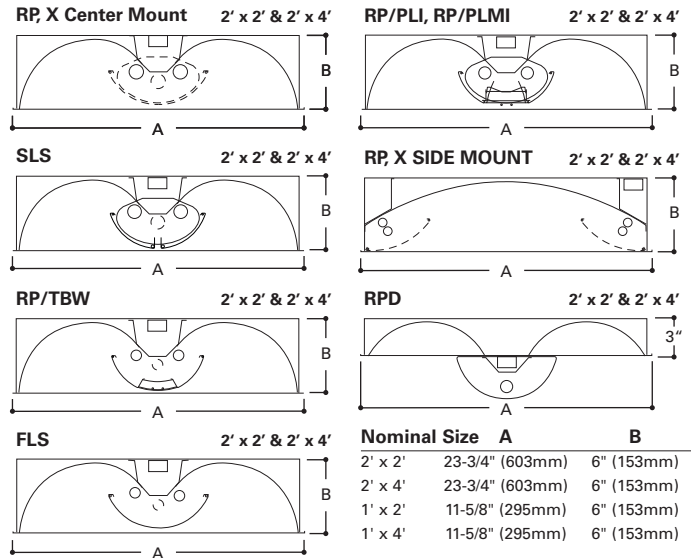
RDI Series Recessed Direct/Indirect

The Ovation RDI Series is a complete family of recessed direct/indirect luminaires featuring pleasant, modern architectural styling, computer-designed optics and the latest energy efficient lamp and ballast technology. The luminaire combines matte white components and perforated direct lamp shields to provide optimum brightness control. Ovation provides a clean architectural appearance in the finished space. Carefully balanced design elements combine to provide an efficient and exciting alternative to traditional general lighting.



Ovation Recessed Direct/Indirect

- Available with Biaxial, T8, T5 and T5HO lamps
- Lamps and all hardware are completely shielded from view
- Available in center mount and side mount lamp shield configurations
- Available in 1, 2, 3 and 4 lamp modules
- High reflectance matte white finish provides optimum uniformity, efficiency and glare control
- UL/cUL Listed. Suitable for damp locations
- Can be used in drywall applications with drywall frame kit



Ordering Information

SAMPLE NUMBER: 2RDI-2BX40RP-120V-EB51-U

<p>Width Blank= 1' Width² 2= 2' Width</p> <p>Series RDI=Ovation Series (Recessed Direct/Indirect)</p> <p>Trim Type Leave Blank=Grid/Lay-in (Standard)</p> <p>Lamp Position Leave Blank=Center mounted Lamps (standard) S=Side Mounted Lamps ASY=Asymmetric</p>	<p>Number of Lamps (Not included) 1= 1 Lamp 2= 2 Lamp 3= 3 Lamp 4= 4 Lamp T1=2'x4' Fixture with One Biax Lamp at Each End T2=2'x4' Fixture with Two Biax Lamps at Each End T3=2'x4' Fixture with Three Biax Lamps at Each End</p>	<p>Lamp Shield X=Solid Matte White RP=Round Perforated White Steel RP/TBW=Round Perforated White Steel w/Thin Blade White Baffle¹ RP/PLI=Round Perforated White Steel w/Semi-Specular Parabolic Baffle¹ RP/PLMI=Round Perforated White Steel w/Specular Parabolic Baffle¹ RPD=Round Perforated Steel Below Ceiling Lamp Shield⁴ RPD/TBW=Round Perforated Below Ceiling Lamp Shield with Thin Blade White Baffle⁴ FLS=Frosted Lamp Shield¹ SLS=Split Lamp Shield¹</p>	<p>Lamps T5 Lamps L5835=T5 Lamp, 3500K L5841=T5 Lamp, 4100K L5835HL=T5 Lamp, 28W, 3500K, 2770 Lumens L5841HL=T5 Lamp, 28W, 4100K, 2770 Lumens T8 Lamps L8835=T8 Lamp, 17W, 28W and 32W, 3500K⁴ L8841=T8 Lamp, 17W, 28W and 32W, 4100K⁴ L8835HL=T8 Lamp, 32W, 3500K, 3100 Lumens L8841HL=T8 Lamp, 32W, 4100K, 3100 Lumens</p>	<p>Ballast Type³ Blank=Standard Magnetic Ballast (40W Biax only) EB5_=T5 Biax Electronic Instant Start Total Harmonic Distortion < 20% No of Ballast 1 or 2 EBT_=T5 Linear Electronic Program Rapid Start Total Harmonic Distortion < 10% No of Ballast 1 or 2 Ballast Factor/Type (For 14WT5 and 28WT5 Lamp Only) N=Normal Light Output 95 BF² H=High Light Output 115 BF² NDIM=Normal 95-10 BF Step Dimming² HDIM=High 115 BF Step Dimming² EB8_=T8 Electronic Instant Start Total Harmonic Distortion < 10% No of Ballast 1 or 2 EB8_/PLUS= T8 Electronic Instant Start High Ballast Factor >1.13 Total Harmonic Distortion < 20% No of Ballast 1 or 2 ER8_=T8 Electronic Program Start Total Harmonic Distortion < 10% No of Ballast 1 or 2 HPT8 Ballast HB8_L=T8 Electronic Instant Start Low Ballast Factor 77 HB8_=T8 Electronic Instant Start Ballast Factor 88 HB8_N=T8 Electronic Instant Start Normal Ballast Factor 10 HB8_H=T8 Electronic Instant Start High Ballast Factor 115-12 HR8_DIM=T8 Electronic Program Start Step Dimming Ballast Factor 88 HR8_L=T8 Electronic Program Start Low Ballast Factor 77 HR8_=T8 Electronic Program Start Ballast Factor 88 HR8_H=T8 Electronic Program Start High Ballast Factor 115-12</p>	<p>Options Packaging U=Unit Pack PALC=Job Pack, in carton</p>
	<p>Wattage 17=17WT8 (24") 28T8=28WT8 (48")⁴ 32=32WT8 (48") BX40=40W Biax (24") BX50=50W Biax (24")¹ BX55=55W Biax (24")¹ 14T5=14WT5 (24")¹ * 24T5=24WT5HO (24")¹ * 28T5=28WT5 (48")¹ * 54T5=54WT5HO (48")¹ *</p>	<p>Voltage² 120V=120 Volt 277V=277 Volt 347V=347 Volt UNV=Universal Voltage 120-277</p> <p>Options GL=Single Element Fuse GM=Double Element Fuse Lamps - for lamps installed Flex - for flex installed EM=Emergency Installed</p>			

Notes: ¹2' x 2' and 2' x 4' Center Lamp Shield models only ²Products also available in non-US voltages and frequencies for international markets ³Not available when specifying emergencies, voltage must be specific ⁴When utilizing 28WT8 lamps, HPT8 ballast must be specified Other ballast restrictions may apply For complete product data, reference the Fluorescent Specification binder Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Representative for availability and ordering information



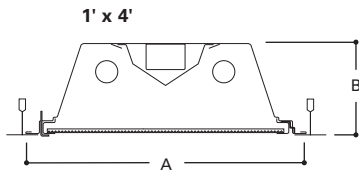
GC8
THE DEDICATED LENSED LUMINAIRE

GC8 Series Recessed Static Troffer

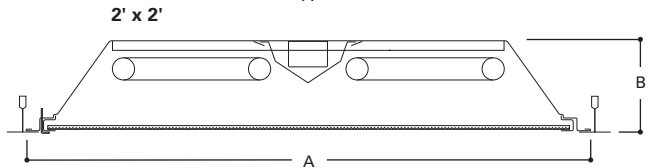
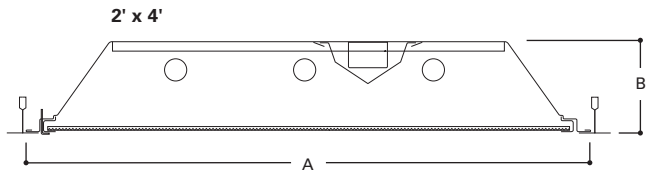
The GC8 series is a premium grade specification lensed troffer. This luminaire is dedicated to the latest T8 lamp and micro electronic ballast technology for optimal performance and energy efficiency. The GC8 is compatible with all of today's popular ceiling systems and is available with a number of options and accessories for application versatility. The GC8 Series features efficiency, quality and performance in a low profile luminaire.

GC8 Recessed Static Troffer

- Equipped with energy saving ballasts/complies with federal energy efficiency standards
- Innovative design provides superior lens brightness uniformity and visual comfort
- Standard reinforced flat white steel door and optional flat or regressed aluminum doors with mitered corners
- Spring loaded latch
- Min. 90% reflective white enamel finish for superior performance
- Optional "PAF" finish
- Positive light seal
- Die embossed housing
- Four auxiliary fixture end suspension points provided
- Endplate grid-lock feature
- UL/cUL Listed. Suitable for damp locations



Nominal Size	A	B
1' x 4'	11-3/4" (298mm)	3-3/4" (95mm)
2' x 2'	23-3/4" (603mm)	3-3/4" (95mm)
2' x 4'	23-3/4" (603mm)	3-3/4" (95mm)

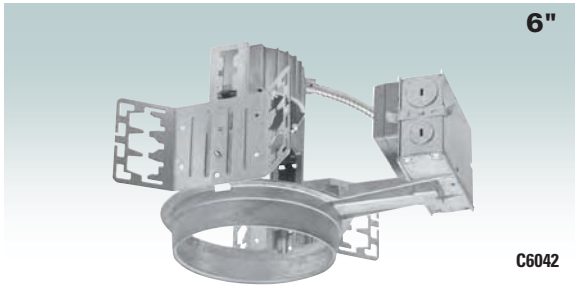


Ordering Information

SAMPLE NUMBER: 2GC8-332-120V-EB81-U

<p>2=2' Width Blank=1' Width</p> <p>Trim Type G=Grid/Lay-in - Standard G=Concealed T G=Slot Grid⁽¹⁾ F=Flange Trim</p> <p>Series C8=Specification T8 Troffer</p> <p>Standard=Flat White Steel Door (Leave Blank) FA=Flat White Extruded Aluminum Door RA=3/8" Regressed White Extruded Aluminum Door FAN=Flat Natural Extruded Aluminum Door RAN=3/8" Regressed Natural Extruded Aluminum Door FAB=Flat Black Extruded Aluminum Door RAB=3/8" Regressed Black Extruded Aluminum Door</p>	<p>Number of Lamps² 2, 3, or 4 Lamps (Not included)</p> <p>Wattage (Length) U6T8=32W (24") 17=17WT8 (24") 28T8=28W T8 (48")³ U1-5/8=31WT8 (24") 32=32WT8 (48") BX40=40W Biaxial (24")</p> <p>A=#12 Pattern Acrylic</p> <p>Voltage³ 120V=120 Volt 277V=277 Volt 347V=347 Volt UNV=Universal Voltage 120-277⁴</p> <p>Options GL=Single Element Fuse GM=Double Element Fuse Lamps - for lamps installed Flex - for flex installed EM=Emergency Installed</p>	<p>Lamps T8 Lamps L8835=T8 Lamp, 17W, 28W and 32W, 3500K⁵ L8841=T8 Lamp, 17W, 28W and 32W, 4100K⁵ L8835HL=T8 Lamp, 32W, 3500K, 3100 Lumens L8841HL=T8 Lamp, 32W, 4100K, 3100 Lumens</p>	<p>Ballast Type³ Blank=Standard Magnetic Ballast (40W Biax only) EB8 =T8 Electronic Instant Start Total Harmonic Distortion < 10% No of Ballast 1 or 2 EB8 /PLUS= T8 Electronic Instant Start High Ballast Factor >113 Total Harmonic Distortion < 20% No of Ballast 1 or 2 ER8 =T8 Electronic Program Start Total Harmonic Distortion < 10% No of Ballast 1 or 2</p> <p>HPT8 Ballast HB8_L=T8 Electronic Instant Start Low Ballast Factor 77 HB8 =T8 Electronic Instant Start Ballast Factor 88 HB8_N=T8 Electronic Instant Start Normal Ballast Factor 10 HB8_H=T8 Electronic Instant Start High Ballast Factor 115-12 HR8_DIM=T8 Electronic Program Start Step Dimming Ballast Factor 88 HR8_L=T8 Electronic Program Start Low Ballast Factor 77 HR8 =T8 Electronic Program Start Ballast Factor 88 HR8_H=T8 Electronic Program Start High Ballast Factor 115-12</p>	<p>Options</p>	<p>Packaging U=Unit Pack PAL=Job Pack, out of carton PALC=Job Pack, in carton</p>
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Notes: ¹ An EQ Grid Clip is recommended for all 9/16" ceiling systems ² Standard off-center ballast compartment on 3-lamp fixtures ³ Products also available in non-US voltages and frequencies for international markets ⁴ Not available when specifying emergencies, voltage must be specific ⁵ When utilizing 28W T8 lamps, HPT8 ballast must be specified. Other ballast restrictions may apply. For complete product data, reference the Fluorescent Specification binder. Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Representative for availability and ordering information.



C6042 Vertical CFL 6"

Medium and wide beam distribution for general lighting from a single vertically mounted compact fluorescent lamp. Adjustable socket position maintains focus for varied reflector types.

Dimensions	Length	Width	Height	Cutout
Standard Housing	12"	11-1/2"	H	6-3/8"
Emergency	15-5/8"	16"	H	
Chicago Plenum	12"	11-1/2"	H	

Height varies with socket position; see reflector line drawing below for overall fixture height. Add 1/2" height for Chicago Plenum option

HOUSING

C6042 (1) 26/32/42W TTT Lamp

BALLAST

E 120V - 277V 50/60 Hz Electronic
3E 347V 50/60 Hz Electronic
1D26 26W 120V Dimming, Lutron® Compact SE
1D32 32W 120V Dimming, Lutron® Compact SE
1D42 42W 120V Dimming, Lutron® Compact SE
2D26 26W 277V Dimming, Lutron® Compact SE
2D32 32W 277V Dimming, Lutron® Compact SE
2D42 42W 277V Dimming, Lutron® Compact SE
EDR26 DeRated Wattage Label, 26W
EDR32 DeRated Wattage Label, 32W

C6042 Vertical CFL 6"

- One piece Alzak® reflector with spun parabolic contour provides 45° cutoff to lamp and lamp image
- All finishes are low iridescent to eliminate rainbowing
- Positive reflector mounting via keyed holes and screws
- Integral reflector vents. One piece vented die cast aluminum cap
- Die-cast aluminum 1-1/2" deep collar
- Exclusive universal mounting bracket adjusts 5" vertically
- Junction box with 1/2" and 3/4" pryouts, listed for eight #12 AWG 90°C conductors
- Electronic ballast have integral fuse, >99% power factor and 10% THD Electronic ballasts have current controlled preheat starting and End of Life protection standard.
- UL and cUL listed, feed through junction box, UL/cUL damp location

OPTIONS

CP Chicago Plenum
EM Emergency module with remote test switch
IEM Emergency module with integral test switch (must add "E" to Reflector)

ACCESSORIES

HB26 C Channel Bar Hanger, 26" Long, Pair
HB50 C Channel Bar Hanger, 50" Long, Pair
RMB22 Wood Joist Bar Hanger, 22" Long, Pair
HSA6 Slope Adapter for 6" Aperture Housings, Specify Slope
TRM6 Metal Trim Ring, Specify Finish*
TRR6 Rimless Trim Ring, White*
FK5 Field Installed Fuse Kit, 5 Amp
DT6 DecoTrims™*

*Not compatible with Self Flange

TRIMS

Open Downlight

1-26/32 TTT Medium Beam



TRIM

6001 Self Flanged
6000 Molded Trim Ring, White
6001E Self Flanged, use with IEM option
6000E Molded Trim Ring, White, use with IEM option

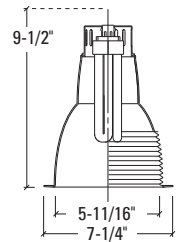
FINISH

LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
W Gloss White
GP Graphite
GPH Graphite Haze
K Cognac
KH Cognac Haze

BB Black Baffle (6000 only)
WB White Baffle (6000 only)

OPTIONS

WF White Painted Flange (Self Flanged only)



Open Downlight

1-26/32 TTT Wide Beam



TRIM

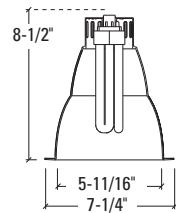
6051 Self Flanged
6050 Molded Trim Ring, White
6051E Self Flanged, use with IEM option
6050E Molded Trim Ring, White, use with IEM option

FINISH

LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
W Gloss White
GP Graphite
GPH Graphite Haze
K Cognac
KH Cognac Haze

OPTIONS

WF White Painted Flange (Self Flanged only)



Open Downlight

1-42 TTT



TRIM

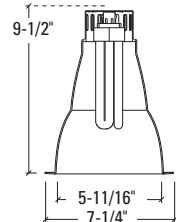
6451 Self Flanged
6450 Molded Trim Ring, White
6451E Self Flanged, use with IEM option
6450E Molded Trim Ring, White, use with IEM option

FINISH

LI Low Iridescent Clear
H Haze
G Gold
WH Wheat
WMH Warm Haze
W Gloss White
GP Graphite
GPH Graphite Haze
K Cognac
KH Cognac Haze

OPTIONS

WF White Painted Flange (Self Flanged only)



TRIMS (CONTINUED)

Open Wall Wash

Gradient Kicker
1-26/32 TTT

**TRIM**

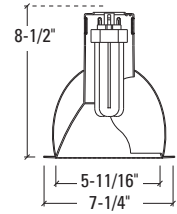
60111 Single Wall Wash, Self Flanged
60121 Double Wall Wash, Self Flanged
60131 Corner Wall Wash, Self Flanged

FINISH

LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
W Gloss White
GP Graphite
GPH Graphite Haze
K Cognac
KH Cognac Haze

OPTIONS

WF White
Painted Flange



Open Wall Wash

Gradient Kicker
1-42 TTT

**TRIM**

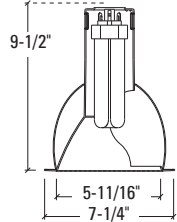
64111 Single Wall Wash, Self Flanged
64121 Double Wall Wash, Self Flanged
64131 Corner Wall Wash, Self Flanged

FINISH

LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
W Gloss White
GP Graphite
GPH Graphite Haze
K Cognac
KH Cognac Haze

OPTIONS

WF White
Painted Flange



Open Wall Wash

GRUVI
1-26/32 TTT

**TRIM**

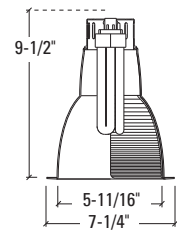
6011 Single Wall Wash, Self Flanged
6010 Single Wall Wash,
Molded Trim Ring, White
6021 Double Wall Wash, Self Flanged
6020 Double Wall Wash,
Molded Trim Ring, White
6031 Corner Wall Wash, Self Flanged
6030 Corner Wall Wash,
Molded Trim Ring, White

FINISH

LI Low Iridescent Clear
H Haze
G Gold
WH Wheat
WMH Warm Haze
W Gloss White
GP Graphite
GPH Graphite Haze
K Cognac
KH Cognac Haze

OPTIONS

WF White
Painted Flange
(Self Flanged
only)



Lens Downlight

1-26/32/42 TTT

**TRIM**

6081 Self Flanged
6080 Molded Trim Ring,
White

FINISH

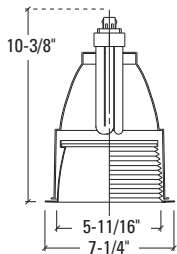
LI Low Iridescent Clear
H Haze
G Gold
WH Wheat
WMH Warm Haze
W Gloss White
GP Graphite
GPH Graphite Haze
K Cognac
KH Cognac Haze
BB Black Baffle (6080 only)
WB White Baffle (6080 only)

LENS

1 Prismatic Acrylic
2 Diffuse Acrylic
3 Clear Polycarbonate
1G Prismatic Glass
2G Diffuse Glass
3G Clear Glass
4G Fresnel Glass

OPTIONS

WF White
Painted Flange
(Self Flanged
only)



Ordering Example

Housing, Trim, Accessories and Lamps ordered as separate line items

Housing

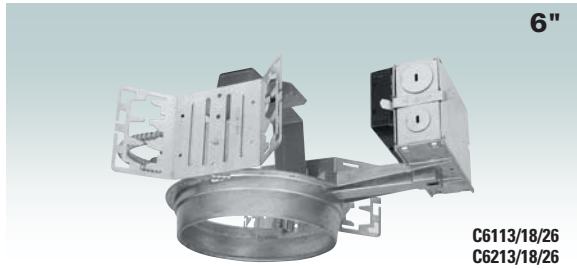
C6042E

Trim

60111LI

Accessories

HB26



6"

C6113/18/26
C6213/18/26

C6113, C6213 6" CFL Horizontal

Wide beam distribution for general and task lighting from one or two horizontally mounted compact fluorescent lamp. Accommodates various reflector types.

C6113, C6213 6" CFL Horizontal

- One piece Alzak® reflector with spun parabolic contour provides 55° cutoff to lamp and lamp image
- Available in a broad range of low iridescent reflector finishes
- Die-cast aluminum socket housing provides venting for proper thermal performance
- Die-cast aluminum plaster frame with 1-1/2" deep collar accommodates ceiling up to 2" thick
- Junction box with 1/2" and 3/4" pryouts, listed for eight #12 AWG 90°C conductors
- Universal input 120-277V electronic ballast provides full light and rated lamp life. Provides flicker-free and noise-free starting and operation
- UL and cUL Listed for damp locations

Dimensions	Length	Width	Height	Cutout
Standard Housing	13"	11-1/2"	6-1/2"	6-3/8"
Emergency	15-5/8"	16"	6-1/2"	
Chicago Plenum	13"	11-1/2"	6-1/2"	

HOUSING

C6113 (1) 13W TTT Lamp
C6118 (1) 18W TTT Lamp
C6126 (1) 26W TTT Lamp

C6213 (2) 13W DTT Lamp
C6218 (2) 18W DTT Lamp
C6226 (2) 26W DTT Lamp

*For (2) lamp housing only

BALLAST

E 120V - 277V 50/60 Hz Electronic
3E 347V 50/60 Hz Electronic
1D 120V Dimming, Lutron® Compact SE (18W TTT, 26W TTT only)
2D 277V Dimming, Lutron® Compact SE (18W TTT, 26W TTT only)

OPTIONS

CP Chicago Plenum
2C (2) Ballasts for Hi-Low Switching*
2CMS 2 Circuit Master Satellite (2 housings, order 2 trims)*
EM Emergency module with remote test switch
IEM Emergency module with integral test switch (must add "E" to Reflector)

ACCESSORIES

HB26 C Channel Bar Hanger, 26" Long, Pair
HB50 C Channel Bar Hanger, 50" Long, Pair
RMB22 Wood Joist Bar Hanger, 22" Long, Pair
HSAG Slope Adapter for 6" Aperture Housings, Specify Slope (not recommended for wall wash)
TRM6 Metal Trim Ring, Specify Finish*
TRR6 Rimless Trim Ring, White*
FK5 Field Installed Fuse Kit, 5 Amp
DT6 DecoTrims™**
**Not compatible with Self Flange

TRIMS

Open Downlight



TRIM

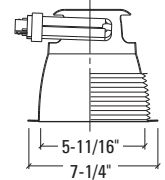
6251 Self Flanged
6250 Molded Trim Ring, White
6251E Self Flanged, use with IEM option
6250E Molded Trim Ring, White, use with IEM option

FINISH

LI Low Iridescent Clear
H Haze
G Gold
WH Wheat
WMH Warm Haze
W Gloss White
GP Graphite
GPH Graphite Haze
KH Cognac
KB Black Baffle (6250 only)
WB White Baffle (6250 only)

OPTIONS

WF White Painted Flange (Self Flanged only)



Open Wall Wash

GRUVI



TRIM

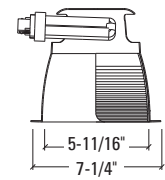
6211 Single Wall Wash, Self Flanged
6210 Single Wall Wash, Molded Trim Ring, White
6221 Double Wall Wash, Self Flanged
6220 Double Wall Wash, Molded Trim Ring, White

FINISH

LI Low Iridescent Clear
H Haze
G Gold
WH Wheat
WMH Warm Haze
W Gloss White
GP Graphite
GPH Graphite Haze
KH Cognac Haze

OPTIONS

WF White Painted Flange (Self Flanged only)



Cross Blade Downlight



TRIM

6281 Self Flanged
6281E Self Flanged, use with IEM option

FINISH

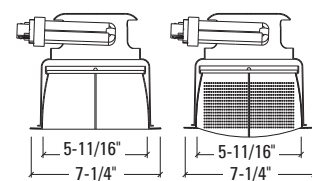
LI Low Iridescent Clear
W Gloss White

LOUVER

5 Blade (LI or W Matching Blade Finish)
6 Perforated Blade (Lt Grey Blades, W Finish only)

OPTIONS

WF White Painted Flange (Self Flanged only)



Lens Downlight



TRIM

6281 Self Flanged
6281E Self Flanged, use with IEM option

FINISH

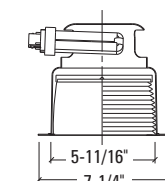
LI Low Iridescent Clear
H Haze
G Gold
WH Wheat
WMH Warm Haze
W Gloss White
GP Graphite
GPH Graphite Haze
K Cognac
KH Cognac Haze
BB Black Baffle (6280 only)
WB White Baffle (6280 only)

LENS

1 Prismatic Acrylic
2 Diffuse Acrylic
3 Clear Polycarbonate
1G Prismatic Glass
2G Diffuse Glass
3G Clear Glass
4G Fresnel Glass

OPTIONS

WF White Painted Flange (Self Flanged only)



Ordering Example

Housing, Trim, Accessories and Lamps ordered as separate line items

Housing

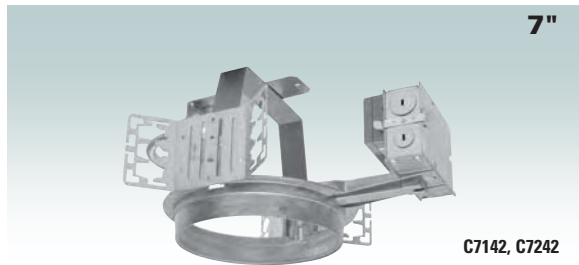
C6113E

Trim

6250LI

Accessories

HB26



7"

C7142, C7242

C7142, C7242 7" CFL Horizontal

Wide beam distribution for general and task lighting from one or two horizontally mounted compact fluorescent lamps. Accommodates various reflector types. Adjustable socket bracket maintains proper lamp position.

C7142, C7242 7" CFL Horizontal

- One piece Alzak® reflector with spun parabolic contour provides 55° cutoff to lamp and lamp image
- Available in a broad range of low iridescent reflector finishes
- Die-cast aluminum socket housing provides venting for proper thermal performance
- Die-cast aluminum plaster frame with 1-1/2" deep collar accommodates ceiling up to 2" thick
- Junction box with 1/2" and 3/4" pryouts, listed for eight #12 AWG 90°C conductors
- Universal input 120-277V electronic ballast provides full light and rated lamp life. Provides flicker-free and noise-free starting and operation
- UL and cUL Listed for damp locations

Dimensions	Length	Width	Height	Cutout
Standard Housing	14"	13-5/16"	8"	8-1/8"
Emergency	17-5/8"	20"	8"	
Chicago Plenum	14"	13-5/16"	8"	

HOUSING

- C7142** (1) 26W TTT Lamp
(1) 32W TTT Lamp
(1) 42W TTT Lamp
- C7242** (2) 26W TTT Lamp
(2) 32W TTT Lamp
(2) 42W TTT Lamp

BALLAST

- E** 120V - 277V 50/60 Hz Electronic
3E 347V 50/60 Hz Electronic
1D26 26W 120V Dimming, Lutron® Compact SE
1D32 32W 120V Dimming, Lutron® Compact SE
1D42 42W 120V Dimming, Lutron® Compact SE
2D26 26W 277V Dimming, Lutron® Compact SE
2D32 32W 277V Dimming, Lutron® Compact SE
2D42 42W 277V Dimming, Lutron® Compact SE
EDR26 DeRated Wattage Label, 26W
EDR32 DeRated Wattage Label, 32W

OPTIONS

- CP** Chicago Plenum
2C (2) Ballasts for Hi-Low Switching
2CMS 2 Circuit Master Satellite (2 housings, order 2 trims)
EM Emergency module with remote test switch
IEM Emergency module with integral test switch (must add "E" to Reflector)

ACCESSORIES

- HB26** C Channel Bar Hanger, 26" Long, Pair
HB50 C Channel Bar Hanger, 50" Long, Pair
RMB22 Wood Joist Bar Hanger, 22" Long, Pair
FK5 Field Installed Fuse Kit, 5 Amp
HTA7 Slope Adapter for 7" Aperture Housings, Specify Slope (not recommended for wall wash)
TRM7 Metal Trim Ring, Specify Finish*
TRR7 Rimless Trim Ring, White*
FK5 Field Installed Fuse Kit, 5 Amp
DT7 DecoTrims™**
*Not compatible with Self Flange

TRIMS

Open Downlight

1 or 2 26/32/42W TTT Wide Beam



TRIM

- 1 Lamp**
7151 Self Flanged
7150 Molded Trim Ring, White
7151E Self Flanged, use with IEM option
7150E Molded Trim Ring, White, use with IEM option

- 2 Lamp**
7351 Self Flanged
7350 Molded Trim Ring, White
7351E Self Flanged, use with IEM option
7350E Molded Trim Ring, White, use with IEM option

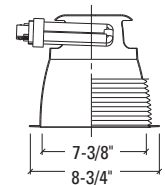
FINISH

- LI** Low Iridescent Clear
H Haze
G Gold
WH Wheat
WMH Warm Haze
W Gloss White
GP Graphite

- GPH** Graphite Haze
K Cognac
KH Cognac Haze
BB Black Baffle (7150 only)
WB White Baffle (7150/7350 only)

OPTIONS

- WF** White Painted Flange (Self Flanged only)



Open Wall Wash

GRUVI 1 or 2 26/32/42W TTT



TRIM

- 1 Lamp**
7111 Single Wall Wash, Self Flanged
7110 Single Wall Wash, Molded Trim Ring, White
7121 Double Wall Wash, Self Flanged
7120 Double Wall Wash, Molded Trim Ring, White

- 2 Lamp**
7311 Single Wall Wash, Self Flanged
7310 Single Wall Wash, Molded Trim Ring, White
7321 Double Wall Wash, Self Flanged
7320 Double Wall Wash, Molded Trim Ring, White

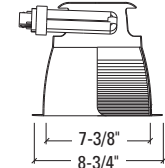
FINISH

- LI** Low Iridescent Clear
H Haze
G Gold
WH Wheat
WMH Warm Haze
W Gloss White
GP Graphite

- GPH** Graphite Haze
K Cognac
KH Cognac Haze

OPTIONS

- WF** White Painted Flange (Self Flanged only)



Cross Blade Downlight

1 or 2 26/32/42W TTT



TRIM

- 1 Lamp**
7181 Self Flanged
- 2 Lamp**
7381 Self Flanged

FINISH

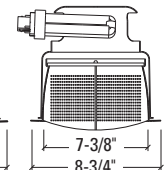
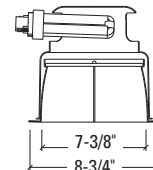
- LI** Low Iridescent Clear
W Gloss White

LOUVER

- 5** Blade (LI or W Matching Blade Finish)
6 Perforated Blade (Lt Grey Blades, W Finish only)

OPTIONS

- WF** White Painted Flange (Self Flanged only)



Lens Downlight

1 or 2 26/32/42W TTT



TRIM

- 1 Lamp**
7181 Self Flanged
7180 Molded Trim Ring, White
- 2 Lamp**
7381 Self Flanged
7380 Molded Trim Ring, White

FINISH

- LI** Low Iridescent Clear
H Haze
G Gold
WH Wheat
WMH Warm Haze
W Gloss White
GP Graphite

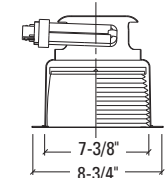
- GPH** Graphite Haze
K Cognac
KH Cognac Haze
BB Black Baffle (7180 and 7380 only)
WB White Baffle (7180 and 7380 only)

LENS

- 1** Prismatic Acrylic
2 Diffuse Acrylic
3 Clear Polycarbonate
1G Prismatic Glass
2G Diffuse Glass
3G Clear Glass
4G Fresnel Glass

OPTIONS

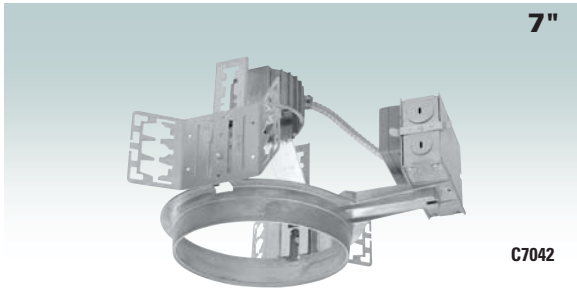
- WF** White Painted Flange (Self Flanged only)



Ordering Example

Housing, Trim, Accessories and Lamps ordered as separate line items

Housing	Trim	Accessories
C7142E	7150LI	HB26



7"

C7042

C7042 CFL Vertical

Medium and wide beam distribution for general lighting from a single vertically mounted compact fluorescent lamp. Adjustable socket position maintains focus for varied reflector types.

Dimensions	Length	Width	Height	Cutout
Standard Housing	13-7/8"	13-5/16"	H	8-1/8"
Emergency	17-5/8"	17"	H	
Chicago Plenum	13-7/8"	13-5/16"	H	

Height varies with socket position; see reflector line drawing below for overall fixture height Add 1/2" height for Chicago Plenum option

C7042 CFL Vertical

- Geometric reflector for uniform vertical illumination (GRUVI)
- One piece Alzak® reflector with spun parabolic contour provides 45° cutoff to lamp and lamp image
- Available in single, double and corner wall wash
- All finishes are low iridescent to eliminate rainbowing
- Integral reflector vents. Positive reflector mounting via keyed holes and screws
- One piece vented die cast aluminum cap
- Die-cast aluminum 1-1/2" deep collar
- Exclusive universal mounting bracket adjusts 5" vertically
- Junction box with 1/2" and 3/4" pryouts, listed for eight #12 AWG 90°C conductors
- Electronic ballasts have integral fuse, >99% power factor and <10% THD Electronic ballasts have current controlled preheat starting and End of Life protection standard
- UL and cUL listed, feed through junction box, UL/cUL wet location

HOUSING

C7042 (1) 26W DTT Lamp
(1) 26/32/42W TTT Lamp

BALLAST

E 120V - 277V 50/60 Hz Electronic
3E 347V 50/60 Hz Electronic
1D26 26W 120V Dimming, Lutron® Compact SE
1D32 32W 120V Dimming, Lutron® Compact SE
1D42 42W 120V Dimming, Lutron® Compact SE
2D26 26W 277V Dimming, Lutron® Compact SE
2D32 32W 277V Dimming, Lutron® Compact SE
2D42 42W 277V Dimming, Lutron® Compact SE
EDR26 DeRated Wattage Label, 26W
EDR32 DeRated Wattage Label, 32W

OPTIONS

CP Chicago Plenum
EM Emergency module with remote test switch
IEM Emergency module with integral test switch (must add "E" to Reflector)

ACCESSORIES

HB26 C Channel Bar Hanger, 26" Long, Pair
HB50 C Channel Bar Hanger, 50" Long, Pair
RMB22 Wood Joist Bar Hanger, 22" Long, Pair
HSA7 Slope Adapter for 7" Aperture Housings, Specify Slope
TRM7 Metal Trim Ring, Specify Finish*
TRR7 Rimless Trim Ring, White*
FK5 Field Installed Fuse Kit, 5 Amp
DT7 DecoTrims™*
*Not compatible with Self Flange

TRIMS

Open Downlight

1-26/32 TTT
Medium Beam



TRIM

7001 Self Flanged
7000 Molded Trim Ring, White
7001E Self Flanged, use with IEM option
7000E Molded Trim Ring, White, use with IEM option

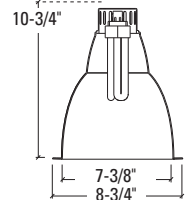
FINISH

LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
W Gloss White

GP Graphite
GPH Graphite Haze
K Cognac
KH Cognac Haze

OPTIONS

WF White Painted Flange (Self Flanged only)



Open Downlight

1-26/32 TTT
Wide Beam



TRIM

7051 Self Flanged
7050 Molded Trim Ring, White
7051E Self Flanged, use with IEM option
7050E Molded Trim Ring, White, use with IEM option

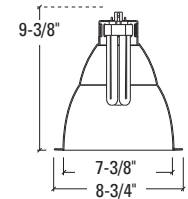
FINISH

LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
W Gloss White

GP Graphite
GPH Graphite Haze
K Cognac
KH Cognac Haze

OPTIONS

WF White Painted Flange (Self Flanged only)



Open Downlight

1-42 TTT Medium Beam



TRIM

7401 Self Flanged
7400 Molded Trim Ring, White
7401E Self Flanged, use with IEM option
7400E Molded Trim Ring, White, use with IEM option

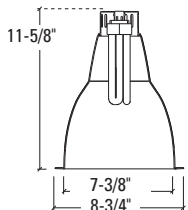
FINISH

LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
W Gloss White

GP Graphite
GPH Graphite Haze
K Cognac
KH Cognac Haze

OPTIONS

WF White Painted Flange (Self Flanged only)



TRIMS (CONTINUED)

Open Downlight

1-42 TTT Wide Beam



TRIM

7451 Self Flanged
7450 Molded Trim Ring, White
7451E Self Flanged, use with IEM option
7450E Molded Trim Ring, White, use with IEM option

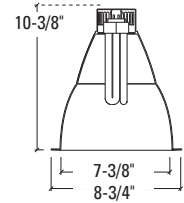
FINISH

LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
W Gloss White

GP Graphite
GPH Graphite Haze
K Cognac
KH Cognac Haze

OPTIONS

WF White Painted Flange (Self Flanged only)



Lens Downlight

1-26 DTT, 1-26/32/42 TTT



TRIM

7081 Self Flanged
7080 Molded Trim Ring, White

FINISH

LI Low Iridescent Clear
H Haze
G Gold
WH Wheat
WMH Warm Haze
W Gloss White

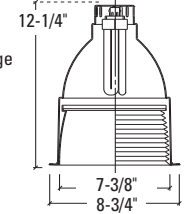
GP Graphite
GPH Graphite Haze
K Cognac
KH Cognac Haze
BB Black Baffle (7080 only)
WB White Baffle (7080 only)

LENS

1 Prismatic Acrylic
2 Diffuse Acrylic
3 Clear Polycarbonate
1G Prismatic Glass
2G Diffuse Glass
3G Clear Glass
4G Fresnel Glass

OPTIONS

WF White Painted Flange (Self Flanged only)



Open Wall Wash

Gradient Kicker
1-26/32 TTT

TRIM

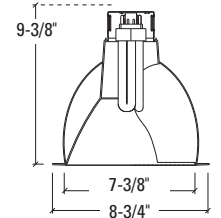
70111 Single Wall Wash, Self Flanged
70121 Double Wall Wash, Self Flanged
70131 Corner Wall Wash, Self Flanged

FINISH

LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
W Gloss White
GP Graphite
GPH Graphite Haze
K Cognac
KH Cognac Haze

OPTIONS

WF White Painted Flange



Open Wall Wash

Gradient Kicker
1-26 DTT
1-42 TTT

TRIM

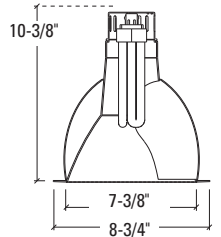
74111 Single Wall Wash, Self Flanged
74121 Double Wall Wash, Self Flanged
74131 Corner Wall Wash, Self Flanged

FINISH

LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
W Gloss White
GP Graphite
GPH Graphite Haze
K Cognac
KH Cognac Haze

OPTIONS

WF White Painted Flange



Open Wall Wash

GRUVI
1-26/32 TTT

TRIM

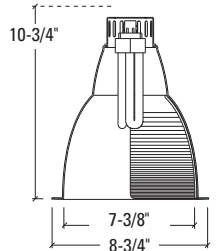
7011 Single Wall Wash, Self Flanged
7010 Single Wall Wash, Molded Trim Ring, White
7021 Double Wall Wash, Self Flanged
7020 Double Wall Wash, Molded Trim Ring, White
7031 Corner Wall Wash, Self Flanged
7030 Corner Wall Wash, Molded Trim Ring, White

FINISH

LI Low Iridescent Clear
H Haze
G Gold
WH Wheat
WMH Warm Haze
W Gloss White
GP Graphite
GPH Graphite Haze
K Cognac
KH Cognac Haze

OPTIONS

WF White Painted Flange (Self Flanged only)



Open Wall Wash

GRUVI
1-42 TTT

TRIM

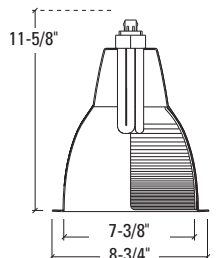
7411 Single Wall Wash, Self Flanged
7410 Single Wall Wash, Molded Trim Ring, White
7421 Double Wall Wash, Self Flanged
7420 Double Wall Wash, Molded Trim Ring, White
7431 Corner Wall Wash, Self Flanged
7430 Corner Wall Wash, Molded Trim Ring, White

FINISH

LI Low Iridescent Clear
H Haze
G Gold
WH Wheat
WMH Warm Haze
W Gloss White
GP Graphite
GPH Graphite Haze
K Cognac
KH Cognac Haze

OPTIONS

WF White Painted Flange (Self Flanged only)



Ordering Example

Housing, Trim, Accessories and Lamps ordered as separate line items

Housing

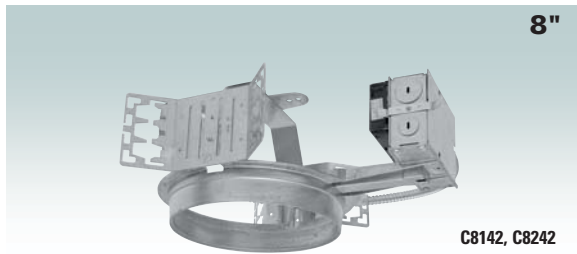
C7042E

Trim

70111LI

Accessories

HB26



8"

C8142, C8242

C8142, C8242 8" CFL Horizontal

Wide beam distribution for general and task lighting from one or two horizontally mounted compact fluorescent lamps. Accommodates various reflector types. Adjustable socket bracket maintains proper lamp position.

C8142, C8242 8" CFL Horizontal

- One piece Alzak® reflector with spun parabolic contour provides 55° cutoff to lamp and lamp image
- Available in a broad range of low iridescent reflector finishes
- Die-cast aluminum socket housing provides venting for proper thermal performance
- Die-cast aluminum plaster frame with 1-1/2" deep collar accommodates ceiling up to 2" thick
- Junction box with 1/2" and 3/4" pryouts, listed for eight #12 AWG 90°C conductors
- Universal input 120-277V electronic ballast provides full light and rated lamp life. Provides flicker-free and noise-free starting and operation
- UL and cUL Listed for damp locations

Dimensions	Length	Width	Height	Cutout
Standard Housing	14-3/4"	13-29/32"	7-3/4"	9-1/8"
Emergency	17-15/16"	13-29/32"	7-3/4"	
Chicago Plenum	14-3/4"	13-29/32"	7-3/4"	

HOUSING

- C8142** (1) 26W DTT Lamp
(1) 26W TTT Lamp
(1) 32W TTT Lamp
(1) 42W TTT Lamp
- C8242** (2) 26W DTT Lamp
(2) 26W TTT Lamp
(2) 32W TTT Lamp
(2) 42W TTT Lamp

BALLAST

- E** 120V - 277V 50/60 Hz Electronic
3E 347V 50/60 Hz Electronic
- 1D26** 26W 120V Dimming, Lutron® Compact SE
1D32 32W 120V Dimming, Lutron® Compact SE
1D42 42W 120V Dimming, Lutron® Compact SE
- 2D26** 26W 277V Dimming, Lutron® Compact SE
2D32 32W 277V Dimming, Lutron® Compact SE
2D42 42W 277V Dimming, Lutron® Compact SE
- EDR26** DeRated Wattage Label, 26W
EDR32 DeRated Wattage Label, 32W

OPTIONS

- CP** Chicago Plenum
2C (2) Ballasts for Hi-Low Switching
2CMS 2 Circuit Master Satellite (2 housings, order 2 trims)
EM Emergency module with remote test switch
IEM Emergency module with integral test switch (must add "E" to Reflector)

ACCESSORIES

- HB26** C Channel Bar Hanger, 26" Long, Pair
HB50 C Channel Bar Hanger, 50" Long, Pair
RMB22 Wood Joist Bar Hanger, 22" Long, Pair
FK5 Field Installed Fuse Kit, 5 Amp

TRIMS

Open Downlight

1 or 2 26/32/42W TTT
Wide Beam



TRIM

- 8351** Self Flanged
8350 Molded Trim Ring, White
8351E Self Flanged, use with IEM option
8350E Molded Trim Ring, White, use with IEM option

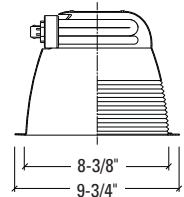
FINISH

- LI** Low Iridescent Clear
H Haze
G Gold
WH Wheat
WMH Warm Haze
W Gloss White
GP Graphite

- GPH** Graphite Haze
K Cognac
KH Cognac Haze

OPTIONS

- WF** White Painted Flange (Self Flanged only)



Open Wall Wash

1 or 2 26/32/42W TTT
GRUVI



TRIM

- 8311** Single Wall Wash, Self Flanged
8310 Single Wall Wash, Molded Trim Ring, White
8321 Double Wall Wash, Self Flanged
8320 Double Wall Wash, Molded Trim Ring, White

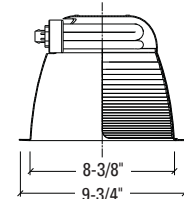
FINISH

- LI** Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
W Gloss White
GP Graphite

- GPH** Graphite Haze
K Cognac
KH Cognac Haze

OPTIONS

- WF** White Painted Flange (Self Flanged only)



Lens Downlight

1 or 2 26/32/42W TTT



TRIM

- 8381** Self Flanged
8380 Molded Trim Ring, White

FINISH

- LI** Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
W Gloss White
GP Graphite

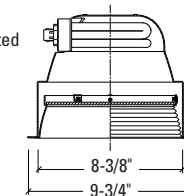
- GPH** Graphite Haze
K Cognac
KH Cognac Haze
BB Black Baffle (8380 only)
WB White Baffle (8380 only)

LENS

- 1** Prismatic Acrylic
2 Diffuse Acrylic
3 Clear Polycarbonate
1G Prismatic Glass
2G Diffuse Glass
3G Clear Glass
4G Fresnel Glass

OPTIONS

- WF** White Painted Flange (Self Flanged only)



Crossblade Downlight

1 or 2 26/32/42W TTT



TRIM

- 8381** Self Flanged

FINISH

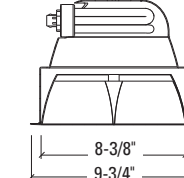
- LI** Low Iridescent Clear
W Gloss White

LOUVER

- 5** Blade (LI or W Matching Blade Finish)

OPTIONS

- WF** White Painted Flange (Self Flanged only)



Ordering Example

Housing, Trim, Accessories and Lamps ordered as separate line items

Housing

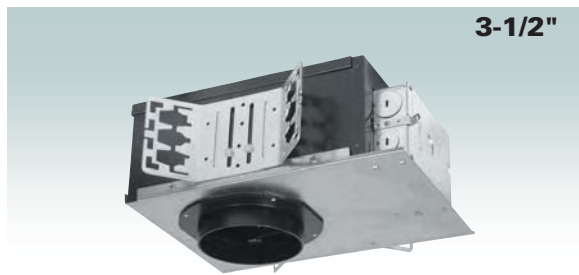
C82421D26

Trim

8350LI

Accessories

HB26



3-1/2"

HA3MR 3-1/2" MR16 Low Voltage Straight Downlight, Directional/Accent or Lens Wall Wash

Low Voltage MR16 adjustable fixture for flat or slope ceilings. Use open downlight for general and task lighting. Pinhole hides lamp and provides clean ceiling. Lens wall wash for even illumination along vertical surfaces. Lockable 361° rotation and 45° tilt with center beam optics provides full output with no flash back. Top lamp accessible. Integral magnetic transformer.

HA3MR 3-1/2" MR16 Low Voltage Straight Downlight, Directional/Accent or Lens Wall Wash

- Die cast 1" deep collar, 18 gauge CRS housing painted matte black to eliminate stray light. Housing is top accessible
- Universal mounting brackets accept 1/2" EMT, C channel and bar hangers and provides 5" total height adjustment
- Junction listed for (6) #12 AWG 90°C conductors and has pryouts for 6-1/2" conduit fittings
- Integral magnetic step down transformer has dual tap 120/277V primary, 75VA max. output
- Lamp aiming mechanism provides 360° rotation and 45° tilt and locks into any aiming position
- Aluminum reflector is available in a broad range of Alzak® finishes as well as white or black baffles. Two torsion springs pull trim tight to ceiling. Available in self flanged or with a die cast metal trim ring

Dimensions	Length	Width	Height	Cutout
Standard Housing	12-1/8"	12"	5-9/16"	9-1/4" x 10-5/8"
Chicago Plenum	15-11/16"	13-15/16"	5-5/16"	

HOUSING

HA3MR Low Voltage MR16 Directional, 120/277V
HA3MRCP Low Voltage MR16 Directional, 120/277V Chicago Plenum

OPTIONS

DR37 DeRated Wattage Label for 37W Maximum
DR50 DeRated Wattage Label for 50W Maximum

ACCESSORIES

HB26 C Channel Bar Hanger, 26" Long, Pair
HB50 C Channel Bar Hanger, 50" Long, Pair
RMB22 Wood Joist Bar Hanger, 22" Long, Pair
L100 Series Color Filter and Lens
FK5 Field Installed Fuse Kit, 5 Amp

TRIMS

Lens Wall Wash

MR16 75W Max

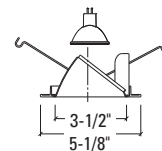


TRIM

3481 Self Flanged Lens Wall Wash
3480 Lens WW Metal Trim Ring

FINISH

LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
B Specular Black
W Gloss White
GP Graphite
GPH Graphite Haze
K Cognac
KH Cognac Haze



Open Downlight

MR16 75W Max



TRIM

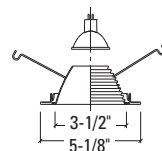
3451 Self Flanged
3450 Metal Trim Ring, White

FINISH

LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
B Black
W Gloss White
GP Graphite
GPH Graphite Haze
K Cognac
KH Cognac Haze
BB Black Baffle (3450 only)
WB White Baffle (3450 only)

OPTIONS

WF White Painted Flange (Self Flanged only)



Angle Cut

MR16 75W Max



TRIM

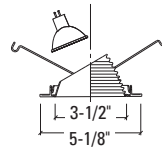
3471 Self Flanged
3470 Metal Trim Ring, White

FINISH

LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
B Black
W Gloss White
GP Graphite
GPH Graphite Haze
K Cognac
KH Cognac Haze
BB Black Baffle (3470 only)
WB White Baffle (3470 only)

OPTIONS

WF White Painted Flange (Self Flanged only)



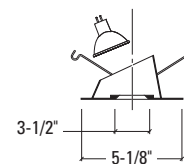
Pinhole

MR16 75W Max



TRIM

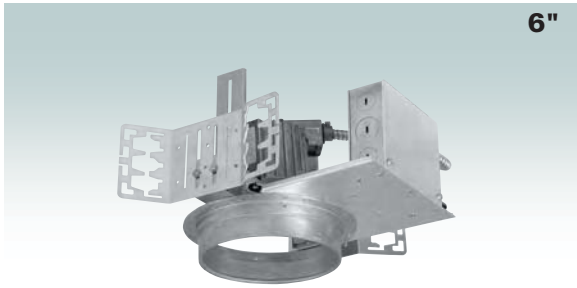
3470PIN Pinhole, Black Shielding Cone and Oculus, White Metal Trim Ring



Ordering Example

Housing, Trim, Accessories and Lamps ordered as separate line items

Housing	Trim	Accessories
HA3MRDR50	3450LI	HB26



HD6MRI Incandescent 6"

Non-ferrous downlight for MRI suites. Medium and wide beam distribution for general and task lighting from a variety of vertically mounted incandescent and halogen lamps. Adjustable socket position maintains focus for varied reflector types.

Dimensions	Length	Width	Height	Cutout
Standard Housing	11-1/8"	13-5/8"	H"	6-3/8"
Chicago Plenum	11-1/8"	13-5/8"	H"	

Height varies with socket position; see reflector line drawing below for overall fixture height Add 1/2" height for Chicago Plenum option

HOUSING

HD6MRI Non-Ferrous Incandescent

HD6MRICP Non-Ferrous Incandescent, Chicago Plenum

ACCESSORIES

TRR6 Rimless Trim Ring, White*

*Not compatible with Self Flange

HD6MRI Incandescent 6"

- Precisely formed non-imaging reflector provides 45° cutoff to lamp and lamp image
- One piece heat dissipating die-cast aluminum socket cap
- High impact polymer trim ring with satin white finish or self flanged reflector
- Precision die-cast aluminum 1-1/2" deep collar: Optical assembly adjusts within housing to accommodate ceilings up to 2" thick
- Exclusive universal mounting bracket adjusts 5" vertically
- Self-resetting insulation detector opens circuit if insulation is improperly installed
- Junction box with 1/2" and 3/4" knockouts, listed for eight #12 AWG 90° C conductors
- Modular housing system supports various downlight and wall wash reflectors
- Luminaire Efficacy Rating HD4-4501-12.22 HD6-6700-12.10
- UL and cUL listed, feed through junction box, UL/cUL damp location

TRIMS

Open Downlight

A19 100W Max, A21 200W Max
Medium or Wide Beam



TRIM

6701 Self Flanged (Medium Beam)
6700 Molded Trim Ring, White (Medium Beam)
6751 Self Flanged (Wide Beam)
6750 Molded Trim Ring, White (Wide Beam)

FINISH

LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
B Black
W Gloss White
GP Graphite

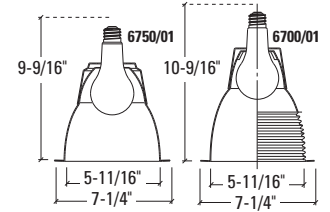
GPH Graphite Haze
K Cognac
KH Cognac Haze
BB Black Baffle (6700 only)
WB White Baffle (6700 only)

OPTIONS

WF White Painted Flange (Self Flanged only)

DERATED WATTAGE LABEL

DR* DeRated, Specify Wattage



Open Downlight

PAR30 75W Max



TRIM

6301 Self Flanged
6300 Molded Trim Ring, White

FINISH

LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
B Black
W Gloss White
GP Graphite

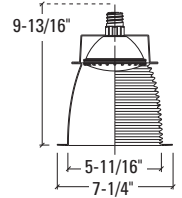
GPH Graphite Haze
K Cognac
KH Cognac Haze
BB Black Baffle (6300 only)
WB White Baffle (6300 only)

OPTIONS

WF White Painted Flange (Self Flanged only)

DERATED WATTAGE LABEL

DR* DeRated, Specify Wattage



Open Downlight

PAR30L 75W Max



TRIM

6501 Self Flanged
6500 Molded Trim Ring, White

FINISH

LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
B Black
W Gloss White
GP Graphite

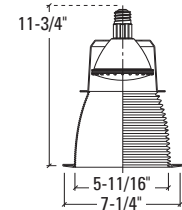
GPH Graphite Haze
K Cognac
KH Cognac Haze
BB Black Baffle (6500 only)
WB White Baffle (6500 only)

OPTIONS

WF White Painted Flange (Self Flanged only)

DERATED WATTAGE LABEL

DR* DeRated, Specify Wattage



Open Downlight

PAR38 150W Max



TRIM

6601 Self Flanged
6600 Molded Trim Ring, White

FINISH

LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
B Black
W Gloss White
GP Graphite

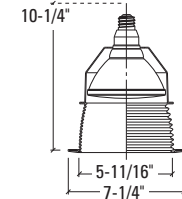
GPH Graphite Haze
K Cognac
KH Cognac Haze
BB Black Baffle (6300 only)
WB White Baffle (6300 only)

OPTIONS

WF White Painted Flange (Self Flanged only)

DERATED WATTAGE LABEL

DR* DeRated, Specify Wattage



Open Wall Wash

GRUVI

A19 100W Max, A21 200W Max



TRIM

6711 Single Wall Wash, Self Flanged
6710 Single Wall Wash, Molded Trim Ring, White
6721 Double Wall Wash, Self Flanged
6720 Double Wall Wash, Molded Trim Ring, White
6731 Corner Wall Wash, Self Flanged
6730 Corner Wall Wash, Molded Trim Ring, White

FINISH

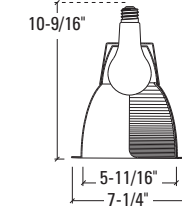
LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
W Gloss White
GP Graphite
GPH Graphite Haze
K Cognac
KH Cognac Haze

OPTIONS

WF White Painted Flange (Self Flanged only)

DERATED WATTAGE LABEL

DR* DeRated, Specify Wattage



Ordering Example

Housing, Trim, Accessories and Lamps ordered as separate line items

Housing

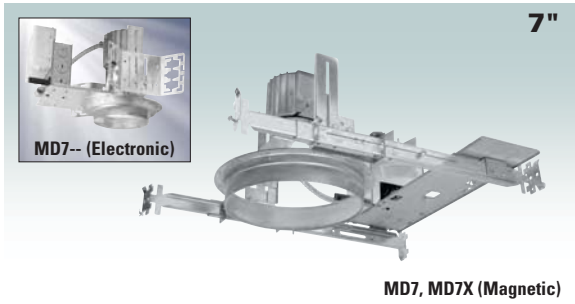
HD6MRI

Trim

6500K

Accessories

TRR6



MD7 7" Downlight Metal Halide

Medium and wide beam downlight for general lighting from a single vertically mounted ED17P metal halide lamp or PAR lamp downlight for general and task lighting. Adjustable socket position maintains focus for varied reflector types. Medium base extended husk socket accepts lamps suitable for open fixture use only (except MD7X and MD7XCP). Optional quartz standby lamp installs through designated trim versions. Magnetic ballasts ordered separately installs rapidly to ballast bridge with electrical quick connects. Bar hangers provided with magnetic ballast housing.

MD7 7" Downlight Metal Halide

- Precisely formed non-imaging reflector ensures 45° or 55° cutoff to lamp and lamp image
- For use with ceramic metal halide PAR38 lamps approved for use in open fixtures.
- Positive reflector mounting
- Thermally protected electronic ballast
- Die-cast aluminum 1-1/2" deep collar
- Exclusive universal mounting bracket adjust 5" vertically
- Junction box with 1/2" and 3/4" pryouts, listed for twelve #12 AWG 90°C conductors
- Self resetting insulation detector opens circuit if insulation is improperly installed
- cUL Listed, feed through junction box, UL damp location
- Electronic ballast with integral fuse, >99% power factor and <10% THD Offers excellent line voltage regulation resulting in increased color stability and flicker free operation.

Dimensions-Magnetic	Length	Width	Height	Cutout
Standard Housing	24-7/16"	15-1/2"	H	8-1/8"
Chicago Plenum	24-7/16"	15-1/2"	H	

Dimensions-Electronic	Length	Width	Height	Cutout
Standard Housing	14-1/2"	15-3/8"	H	8-1/8"
Chicago Plenum	14-1/2"	15-3/8"	H	

Height varies with socket position; see reflector line drawing below for overall fixture height Add 1/2" height for Chicago Plenum option

HOUSING [Magnetic Ballast]

- MD7** Metal Halide
- MD7CP** Metal Halide, Chicago Plenum
- MD7X** Metal Halide, PAR38 only
- MD7XCP** Metal Halide, PAR38 only, Chicago Plenum

BALLAST

- 720** 50W MH 120/277V Magnetic
- 728** 50W MH 120/347V Magnetic
- 730** 70W MH 120/277V Magnetic
- 738** 70W MH 120/347V Magnetic
- 740** 100W MH 120/277V Magnetic
- 748** 100W MH 120/347V Magnetic
- 780** 150W MH 120/277V Magnetic
- 788** 150W MH 120/347V Magnetic

ACCESSORIES

- HB26** C Channel Bar Hanger, 26" Long, Pair
- HB50** C Channel Bar Hanger, 50" Long, Pair
- HSA7** Slope Adapter for 7" Aperture Housings, Specify Slope
- TRM7** Metal Trim Ring, Specify Finish*
- TRR7** Rimless Trim Ring, White*
- FK** Field Installed Fuse Kit, Specify Amperage
- ECL** Emergency Circuit Quartz Standby Lamp Kit
- ISL50150** Internal Quartz Standby Lamp Kit, 50-150W

*Not compatible with Self Flange

HOUSING [Electronic Ballast]

- MD750** 50W Electronic Metal Halide
- MD750CP** 50W Electronic Metal Halide, Chicago Plenum
- MD770** 70W Electronic Metal Halide
- MD770CP** 70W Electronic Metal Halide, Chicago Plenum
- MD770P38** 70W Electronic Metal Halide, PAR38 only
- MD770P38CP** 70W Electronic Metal Halide, PAR38 only, Chicago Plenum
- MD7100** 6" 100W Electronic Metal Halide
- MD7100CP** 6" 100W Electronic Metal Halide, Chicago Plenum
- MD7100P38** 100W Electronic Metal Halide, PAR38 only
- MD7100P38CP** 100W Electronic Metal Halide, PAR38 only, Chicago Plenum

BALLAST

- 1E** 120V 50/60 Hz Electronic
- 2E** 277V 50/60 Hz Electronic

OPTIONS

- Q** Quartz Restrike System with Time Delay, 100W DC Bayonet Base Quartz Lamp (Included)

ACCESSORIES

- HSA7** Slope Adapter for 7" Aperture Housings, Specify Slope
- TRM7** Metal Trim Ring, Specify Finish
- TRR7** Rimless Trim Ring, White
- FK** Field Installed Fuse Kit, Specify Amperage

*Not compatible with Self Flange

TRIMS

Open Downlight

150W Max. ED17P
Medium Beam



TRIM

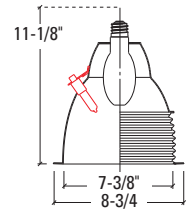
7701 Self Flanged
7700 Molded Trim Ring, White
7701X Self Flanged, Standby Lamp
7700X Molded Trim Ring, White, Standby Lamp

FINISH

LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
W Gloss White
GP Graphite
GPH Graphite Haze

OPTIONS

WF White Painted Flange (Self Flanged only)



Open Downlight

150W Max. ED17P
Wide Beam



TRIM

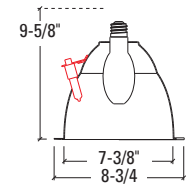
7751 Self Flanged
7750 Molded Trim Ring, White
7751X Self Flanged, Standby Lamp
7750X Molded Trim Ring, White, Standby Lamp

FINISH

LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
W Gloss White

OPTIONS

WF White Painted Flange (Self Flanged only)



Open Wall Wash

150W Max. ED17P
GRUVI



TRIM

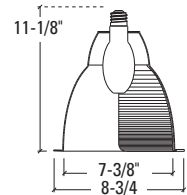
7711 Single Wall Wash, Self Flanged
7710 Single Wall Wash, Molded Trim Ring, White
7721 Double Wall Wash, Self Flanged
7720 Double Wall Wash, Molded Trim Ring, White
7731 Corner Wall Wash, Self Flanged
7730 Corner Wall Wash, Molded Trim Ring, White

FINISH

LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
W Gloss White

OPTIONS

WF White Painted Flange (Self Flanged only)



Open Downlight

Magnetic: 150W Max ED17, PAR38
Electronic: 100W Max ED17, PAR38



TRIM

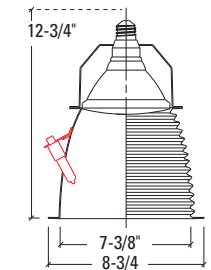
7601 Self Flanged
7600 Molded Trim Ring, White
7601X Self Flanged, Standby Lamp
7600X Molded Trim Ring, White, Standby Lamp

FINISH

LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
W Gloss White
GP Graphite
GPH Graphite Haze

OPTIONS

WF White Painted Flange (Self Flanged only)



Lens Downlight

100W Max ED17P, PAR38 or
70W Max PAR30L



TRIM

7781 Self Flanged
7780 Molded Trim Ring, White

FINISH

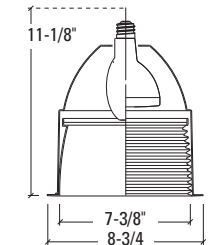
LI Low Iridescent Clear
H Haze
WMH Warm Haze
G Gold
WH Wheat
W Gloss White
GP Graphite
GPH Graphite Haze

LENS

1G Prismatic Glass
2G Diffuse Glass
3G Clear Glass
4G Fresnel Glass

OPTIONS

WF White Painted Flange (Self Flanged only)



Ordering Example*

Housing, Ballast, Trim, Accessories and Lamps ordered as separate line items

*Magnetic Ballast - separate line item
Electronic Ballast - ships with housing

Housing	Ballast	Trim	Accessories
MD7100P382E		7601K	HB26

Accessories Deco Trims

DECO Trims are visually exciting accessories used with the 6" and 7" Portfolio housings. They enliven the appearance of any space and provide a subtle glow at the ceiling. DECO Trims are designed to replace the removable trim ring on open Portfolio reflectors. These complimentary accessories are not an option with Self-Flanged or Lensed Reflectors.

Accessories Deco Trims

- A series of decorative trim accessories to be used with 6" and 7" Portfolio downlight reflectors
- May be installed with Incandescent, Compact Fluorescent or HID Housing
- The matte white flange replaces the existing polymer trim ring, and is clamped directly to the recessed plaster frame, providing a secure mounting (Not for use with self flanged or lensed reflectors - Not compatible with PDS).
- No assembly of ring is required, reflector fits through the aperture for quick installation and relamps easily from below
- Four, satin finish aluminum posts and decorative knobs are anodized clear to retain appearance over life
- Four steel threaded studs support weight of decorative element. Four hex head bolts tighten the flange securely and quickly to the recessed die cast plaster flange via preinstalled mounting hardware.
- For use in ceilings up to 2" thick
- UL listed and C.S.A. certified. To be used with Portfolio Product only, not PDS. Other installations will void warranty.

DECO TRIMS

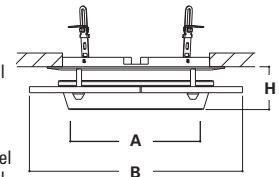


Ring with Funnel

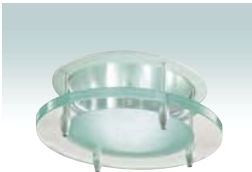
Glass and acrylic combination. Molded glass funnel, 0.250" thick has etched finish on both surfaces to diffuse the light and glow. Surrounding ring is acrylic, 0.250" thick, with upper surface frosted to diffuse the light. Available in a variety of color combinations

SIZE
DT6 6" Deco Trim
DT7 7" Deco Trim

STYLE
R0F0 Matte with Frosted Funnel
R1F0 Cobalt Blue with Frosted Funnel
R2F0 Aqua Blue with Frosted Funnel
R8F0 Ruby Red with Frosted Funnel
R0F1 Matte with Cobalt Blue Funnel
R2F1 Aqua Blue with Cobalt Blue Funnel
R8F1 Ruby Red with Cobalt Blue Funnel



DIMENSIONS			
	A	B	H
6"	5-1/6"	8-3/4"	1-15/16"
7"	7-3/4"	10-3/8"	1-15/16"

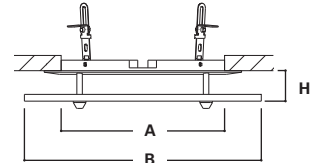


Frosted Disc

Cut and polished glass disc with etched center to diffuse the light.

SIZE
DT6 6" Deco Trim
DT7 7" Deco Trim

STYLE
DISC Etched Glass Disc



DIMENSIONS			
	A	B	H
6	6-1/8	8-3/4	2-1/4
7	7-3/4	10-3/8	2-1/4



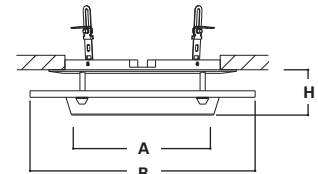
Glass Funnel Decorative Trim

Molded glass funnel, 0.250" thick has etched finish on both surfaces to diffuse the light and glow. Crisp edge details provide an architectural appearance over normal slumped glass.

SIZE
DT6 6" Deco Trim
DT7 7" Deco Trim

STYLE
LF Large Funnel

COLOR
0 Frosted
1 Cobalt Blue



DIMENSIONS			
	A	B	H
6"	5-1/16	8-3/4"	1-15/16"
7"	6-5/8"	10-3/8"	1-15/16"



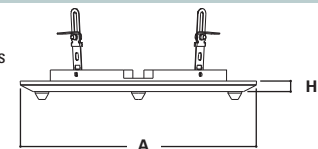
Lensed Decorative Trim

(UL Listed for Wet Locations)
A glass lens 0.125" thick with upper surface frosted to diffuse the light. Held in an architectural mounting flange.

SIZE
DT6 6" Deco Trim
DT7 7" Deco Trim

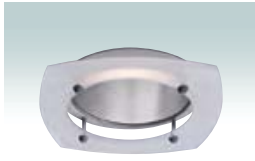
STYLE
L Lensed

COLOR
0 Frosted Glass



DIMENSIONS	
	A H
6"	8 1/8 3/8"
7"	6 5/8" 3/8"

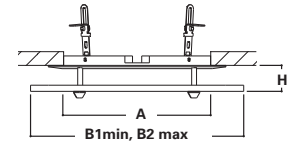
DECO TRIMS (CONTINUED)



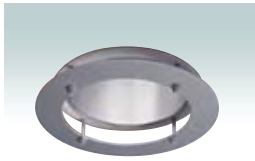
Soft Square

Acrylic decorative ring, 0.250" thick with upper surface frosted to diffuse the light. Edge of ring is polished to impart a clean look to the finished element. Single ring is available in a choice of colors.

- SIZE**
DT6 6" Deco Trim
DT7 7" Deco Trim
- STYLE**
SC Soft Square
- COLOR**
0 Matte
1 Cobalt Blue
2 Aqua Blue
8 Ruby Red



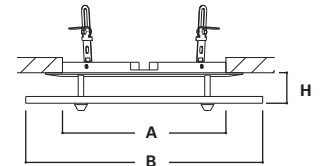
DIMENSIONS				
	A	B1	B2	H
6"	6-1/8"	8-3/4"	10-3/8"	2-3/4"
7"	7-3/4"	10-3/8"	12-1/8"	2-3/4"



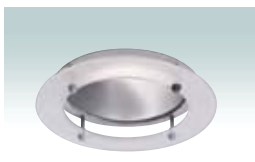
Anodized Single Ring

Rings are solid aluminum, 0.09" thick with a brushed surface. Rings are anodized to retain their appearance over life.

- SIZE**
DT6 6" Deco Trim
DT7 7" Deco Trim
- STYLE**
R Single Ring
- COLOR**
C Anodized Clear



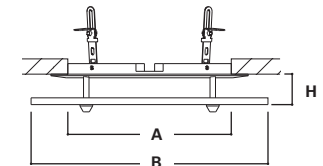
DIMENSIONS			
	A	B	H
6"	6-1/8"	8-3/4"	2-1/4"
7"	7-3/4"	10-3/8"	2-1/4"



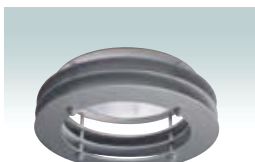
Translucent Single Ring

Decorative ring is acrylic, 0.250" thick with upper surface frosted to diffuse the light. Edge of ring is polished to impart a clean look to the finished element. Single ring is available in a choice of colors.

- SIZE**
DT6 6" Deco Trim
DT7 7" Deco Trim
- STYLE**
R Single Ring
- COLOR**
0 Matte
1 Cobalt Blue
2 Aqua Blue
8 Ruby Red



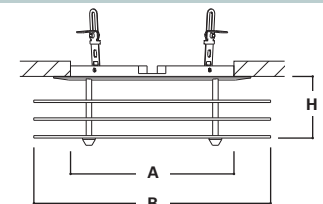
DIMENSIONS			
	A	B	H
6"	6-1/8"	8-3/4"	2-1/4"
7"	7-3/4"	10-3/8"	2-1/4"



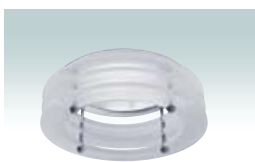
Anodized Triple Ring

Each ring is solid aluminum, 0.09" thick, with satin surface. Rings are anodized to retain their appearance over life.

- SIZE**
DT6 6" Deco Trim
DT7 7" Deco Trim
- STYLE**
3R 3 Rings
- COLOR**
C Anodized Clear



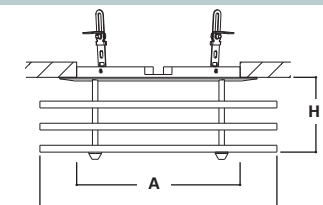
DIMENSIONS			
	A	B	H
6"	6-1/8"	8-3/4"	2-3/4"
7"	7-3/4"	10-3/8"	2-3/4"



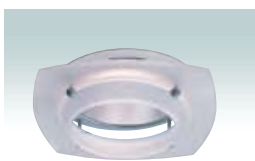
Translucent Triple Ring

Acrylic decorative ring, 0.250" thick with upper surface frosted to diffuse the light. Edge of ring is polished to impart a clean look to the finished element. Three rings are available in a choice of colors.

- SIZE**
DT6 6" Deco Trim
DT7 7" Deco Trim
- STYLE**
3R 3 Rings
- COLOR**
0 Matte
2 Aqua Blue



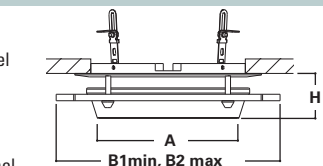
DIMENSIONS			
	A	B	H
6"	6-1/8"	8-3/4"	2-3/4"
7"	7-3/4"	10-3/8"	2-3/4"



Soft Square with Funnel

Glass and acrylic combination. Molded glass funnel, 0.250" thick has etched finish on both surfaces to diffuse the light and glow. Surrounding soft square ring is acrylic, 0.250" thick, with upper surface frosted to diffuse the light. Available in a variety of color combinations.

- SIZE**
DT6 6" Deco Trim
DT7 7" Deco Trim
- STYLE**
SC0F0 Matte Square with Frosted Funnel
SC1F0 Cobalt Blue with Frosted Funnel
SC2F0 Aqua Blue with Frosted Funnel
SC8F0 Ruby Red with Frosted Funnel
SC0F1 Matte with Cobalt Blue Funnel
SC2F1 Aqua Blue with Cobalt Blue Funnel
SC8F1 Ruby Red with Cobalt Blue Funnel



DIMENSIONS				
	A	B1	B2	H
6"	5-1/6"	8-3/4"	10-3/8"	1-15/16"
7"	7-3/4"	10-3/8"	12-1/8"	1-15/16"

Ordering Example

Complete Unit consists of size, style and/or color

Size	Style	Color
DT6	R	1



H750ICAT Recessed Downlighting

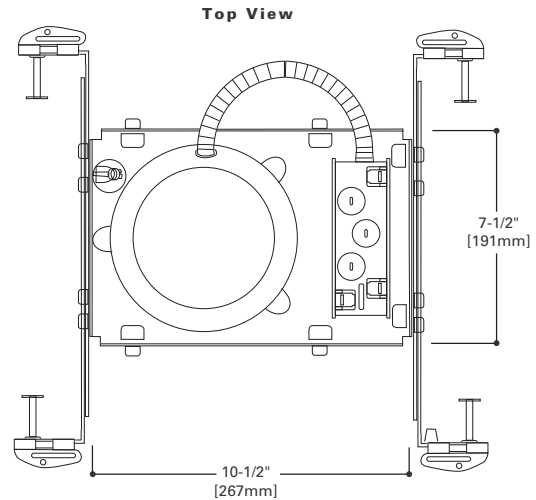
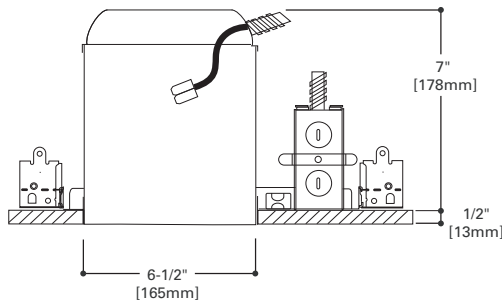
- 6" aperture new construction housing
- Meets high efficiency California Title-24 2005 standard
- For use in insulated ceilings may be covered with insulation
- AIR-TITE to meet restricted airflow requirements
- For use with HALO 6" LED Modules
- Slide-N-Side™ junction box and quick connect wiring
- Got Nail™ bar hangers make installation easy regardless of joist material
- Line voltage
- UL/cUL listed

H750ICAT Recessed Downlighting

The H750ICAT housing is a LED dedicated New Construction housing and should be used in conjunction with the HALO LED module. HALO LED luminaires are designed for longevity and energy efficiency. The connector system allows for Title-24 compliance and the sustainable AIRTITE Luminaire meets the most stringent energy efficiency standards in the industry.



LED



Available Trims



494P06

494P06
White Trim Ring and White Reflector
Die-cast trim ring and aluminum reflector
Trim ring height of .160" at OD and .180" at ID
Provides clearance for remodeler flange and gasket for AIR-TITE seal



494SC06

494SC06
White Trim Ring and Specular Reflector
Die-cast trim ring and aluminum reflector
Trim ring height of .160" at OD and .180" at ID
Provides clearance for remodeler flange and gasket for AIR-TITE seal



494H06

494H06
White Trim Ring and Haze Reflector
Die-cast trim ring and aluminum reflector
Trim ring height of .160" at OD and .180" at ID
Provides clearance for remodeler flange and gasket for AIR-TITE seal



494WB06

494WB06
White Trim Ring and White Baffle
Die-cast trim ring and aluminum reflector
Trim ring height of .160" at OD and .180" at ID
Provides clearance for remodeler flange and gasket for AIR-TITE seal



494PS06



494PS06
Shower Trim with Regressed Frosted Glass Lens
Wet Location Listed
Metal Construction
Trim ring height of .160" at OD and .180" at ID
Provides clearance for remodeler flange and gasket for AIR-TITE seal



TRM490WH

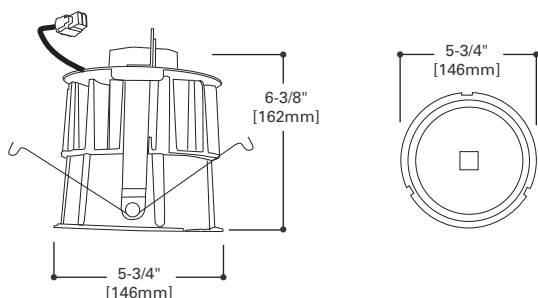
TRM490WH
Low Profile
Die-cast Trim Ring
Trim ring height of .120" at OD and .180" at ID



ML706830 LED Module

The HALO high efficiency LED Luminaire provides long life and energy savings. The LED module is designed for use in the dedicated H750ICAT housing for new construction applications or for retrofit applications with an Edison screw-base adapter (included with module) for use in existing HALO or ALL-PRO H7 housings. Delivers 600 lumens and superior optical design that yields productive beam lumens, good cutoff, and low glare. The HALO LED recessed product exceeds high efficacy requirements for California's Title 24, with energy savings in excess of 75% when compared with incandescent lamps.

LED



ML706830 LED Module

- Comparable in light output and distribution to a 65-Watt BR30 Incandescent or an 18-Watt Compact Fluorescent while consuming less than 15-Watts of Electricity
- Exceeds high efficacy requirements for California's Title-24 2005 standard
- Dimmable to 15% (nominal) of the total light output with most standard AC incandescent dimmers or to 5% (nominal) with dimmers that have a low-end adjustment
- Provides excellent color rendering and a warm white color temperature (3045K nominal)
- No mercury, eliminates special recycling requirements
- Does not emit damaging ultra-violet or infrared wavelengths that damage fabrics and merchandise
- Does not emit heat like traditional light sources
- Patent pending optical design yields productive beam lumens, 50° cutoff and low-glare
- Product life is rated for 50,000 hours at 70% lumen maintenance (or approximately 20 years based on six hours of use per day)
- Installation and replacement is simple
- Compatible HALO and ALL-PRO housings include model numbers: H750ICAT, H7ICAT, EI700AT, H7ICATNB, EI700ATNB, H7ICT, EI700, H7ICTNB, EI700NB, H7RICAT, EI700RAT, H7RICT, EI700R, H7RT, ET700R, H7T, ET700
- Multiple trim and reflector options in a variety of finishes and a shower-rated lensed trim
- High-efficiency driver with a power factor or >.90 at an input power of 120V, 60Hz
- Cooper Lighting provides a (3) year warranty on the HALO LED Module
- UL/cUL Listed



Ordering Information

Order housing, trim and accessories separately

Housing
H750ICAT=6"
Dedicated LED IC
Airtite Housing

LED Module
ML706=6" LED
Module

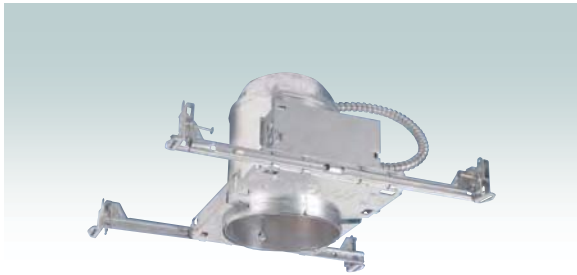
8=80 CRI

30=3,000 K

Trim Options

- 494P06=White Reflector w/White Trim Ring
- 494WB06=White Baffle w/White Trim Ring
- 494H06=Haze Reflector w/White Trim Ring
- 494SC06=Specular Clear Reflector w/White Trim Ring
- 492PS06=Wet Location Shower Trim w/Regressed Lens

Accessories
TRM490WH=Thin Profile
White Trim Ring

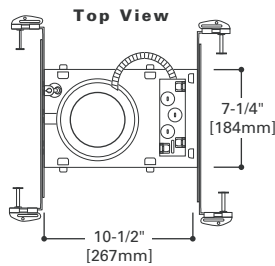
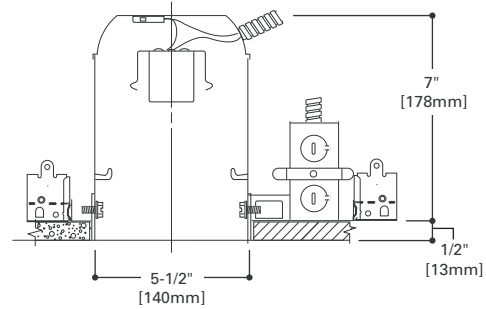


H5ICAT Recessed Downlighting

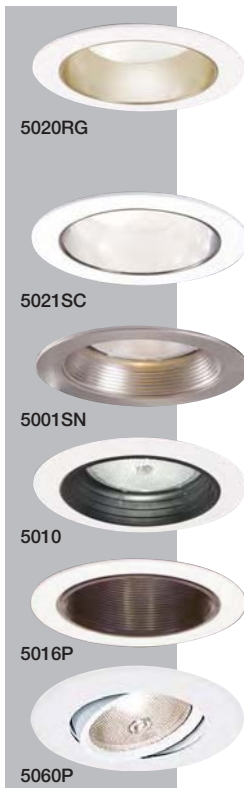
- Thermally Protected IC Housing
- Housing may be covered with insulation
- AIR-TITE™ housing prevents airflow between attic and living areas
- For use with 120V Incandescent lamps

H5ICAT Recessed Downlighting

The Halo H5 series utilizes a nominal 5" aperture designed to accommodate smaller sized PAR20 and PAR30 halogen lamps. The wide variety of trims available allows a number of different lighting effects to be created with one basic housing.



Available Trims



- 5020 - Reflector Cone**
60W BR30, 75W PAR30
Finishes: (P) White Trim/White Reflector, (H) White Trim/ Haze Reflector, (SC) White Trim/ Clear Specular Reflector, (SN) Satin Nickel, (BL) White Trim, Black Reflector, (RG) White Trim/ Gold Reflector, (AC) Antique Copper, (TBZ) Tuscan Bronze
- 5021 - Full Reflector**
40W A19
Reflector Finishes: (SC) White Trim Clear Specular reflector, (H) White Trim/ Haze Reflector, (RG) White Trim/ Gold Reflector,
- 5001 - Baffle**
50W R20, 50W PAR20, 65W BR30, 75W PAR30
Finishes: (P) White Trim/White Baffle, (MB) White Trim/Black Baffle, (SN) Satin Nickel, (AC) Antique Copper, (TBZ) Tuscan Bronze
- 5010 - Step Baffle**
60W BR30, 50W PAR30
Finishes: 5010 White Trim/Black Baffle, (W) White Trim/ White Baffle, (SL) Silver Trim/ Black Baffle
- 5016 - Coilex Baffle with Reflector**
50W PAR30, 65W BR30, 75W PAR30L
Finishes: (P) White Trim/ Black Baffle, (W) White Trim/ White Baffle
- 5060 - Gimbal - 20° Tilt**
50W PAR30
Finishes: (P) White



- 5070 - Eyeball - 30° Tilt**
75W PAR30
Finishes: (P) White, (PB) Polished Brass, (SL) Silver, (SN) Satin Nickel, (AC) Antique Copper, (TBZ) Tuscan Bronze
- 5071 - Eyeball - 30° Tilt**
50W R20, 50W PAR20
Finishes: (P) White
- 5000 - Open Splay Trim**
75W R30, 75W PAR30, 65W BR30
Finishes: (P) White, (SN) Satin Nickel, (AC) Antique Copper, (TBZ) Tuscan Bronze
- 5054 - Dome Shower Light - Wet Location Listed Shower Light**
40W A19, 50W PAR30
Finishes: (PS) White, (SNS) Satin Nickel, (ACS) Antique Copper, (TBZS) Tuscan Bronze
- 5051PS - Frosted Lens - Wet Location Listed Shower Light**
35W PAR30L
Finishes: (PS) White Trim Ring/ Frosted Glass



H2600/H2601 Surface Pendant

A pendant mounted downlight suspended by twin aircraft type cables with acrylic refractor for 70 watt ceramic metal halide light source. The Chorus series is available with acrylic refractor or aluminum reflector rated for 100 watt incandescent, 26/32/45 watt compact fluorescent and 70 watt ceramic metal halide light sources. Compact fluorescent and ceramic metal halide versions use universal input electronic ballast suitable for 120 to 277 VAC supply. These pendants are suitable for general ambient and task lighting for commercial and institutional spaces.

H2600 Incandescent Chorus™ Pendant 12" Acrylic Refractor Downlight

Finish: Silver (SL)
Lamp: 100W A19

H2600E42 Compact Fluorescent Chorus™ Pendant 12" Acrylic Refractor Downlight with Universal Input 120/277V Electronic Ballast

Finish: Silver (SL)
Lamp: 26/32/42 Watt Triple Twin Tube Compact Fluorescent

H2600E70 Ceramic Metal Halide Chorus™ Pendant 12" Acrylic Refractor Downlight with Universal Input 120/277V Electronic Ballast

Finish: Silver (SL)
Lamp: 70W ED17P Ceramic Metal Halide

Accessories: GDK12 12" Glass Diffuser Kit

H2601 Chorus™ Pendant - Incandescent 12" Aluminum Reflector Downlight

Finish: Silver (SL)
Lamp: 100W A19

H2601E42 Compact Fluorescent - Chorus™ Pendant 12" Aluminum Reflector with Universal Input 120/277V Electronic Ballast

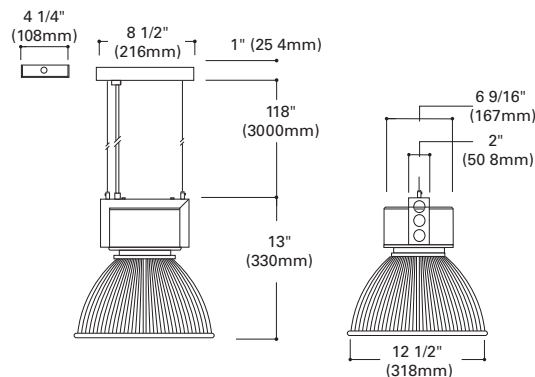
Finish: Silver (SL)
Lamp: 26/32/42 Watt Triple Twin Tube Compact Fluorescent

H2601E70 Chorus™ Pendant - Ceramic Metal Halide 12" Aluminum Reflector Downlight with Universal Input 120/277V Electronic Ballast

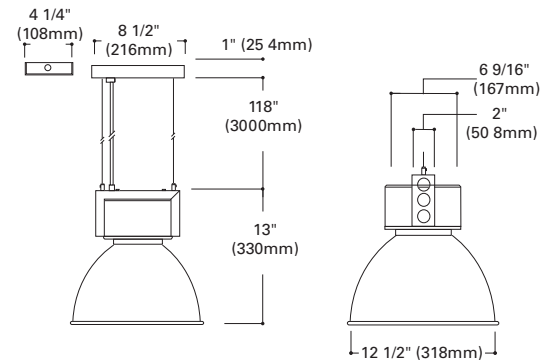
Finish: Silver (SL)
Lamp: 70W ED17P Ceramic Metal Halide

Accessories: GDK12 12" Glass Diffuser Kit

H2600



H2601



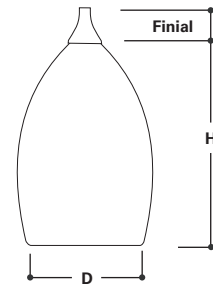
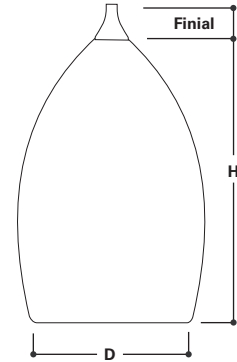
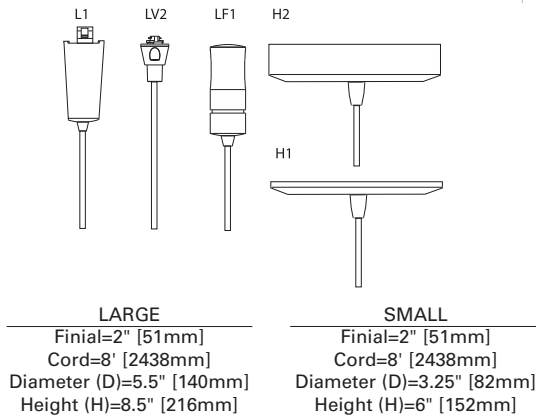


Dome Pendants Art Glass

- Art Glass pendants offer the opportunity to add a truly unique touch to lighting needs in various spaces
- Art Glass Shades may vary in color, pattern and shape due to their handmade nature. Slight imperfections add to their unique charm
- Art Glass Shades are made in the the United States of America

Dome Pendants Art Glass

Art glass pendants offer the opportunity to add a truly unique touch to lighting needs in both commercial and institutional spaces. They can add a pleasant free flowing accent in reception or hospitality areas or they can be used for general lighting with their inviting pools of muted illumination. Choose from 120V or low voltage 12V styles.



Ordering Information

<p>Track 120V Lamp</p> <p>L1=Halo Power-Trac LF1=Flexible Track H1=Surface Mount</p> <p>12V Lamp</p> <p>LV2=Linea Track¹ H2=Surface Low Voltage (includes electronic transformer)</p>	<p>Style DME=Dome</p>	<p>Finial Finish AH=Aluminum Haze BRZ=Bronze (except LF1)</p> <p>Lamp Type (not included) 19=A15, G16 5 (LF1, L1, H1) 4=12V MR16, T4 (LV2, H2)</p>	<p>Adapter/Canopy Finish Blank=Same as Finial (LF1 only available in AH finish) Blank=Same as Finial BRZ=Bronze (except LV2) P=White MB=Black</p> <p>Shade Size SML=Small</p>	<p>Shade Colors AmberIce=Amber Ice AmberWeb=Amber Web Blueberry=Blueberry Swirl Butterscotch=Butterscotch Twist Candy=Candy Apple Caramel=Caramel Cherries=Cherries Jubilee Coconut=Tahitian Coconut Indigo=Indigo Irish=Irish Coffee Licorice=Black Licorice</p>	<p>Marshmallow=Marshmallow Swirl MossyIce=Mossy Ice MossyWeb=Mossy Web Plum=Plum Wine Rocky=Rocky Road Sandstone=Sandstone SeaMoss=Sea Moss Smoke=Smoke Spumoni=Spumoni</p>
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Ordering Information

<p>Track 120V Lamp</p> <p>L1=Halo Power-Trac LF1=Flexible Track H1=Surface Mount</p> <p>12V Lamp</p> <p>LV2=Linea Track¹ H2=Surface Low Voltage (includes electronic transformer)</p>	<p>Style DME=Dome</p>	<p>Finial Finish AH=Aluminum Haze BRZ=Bronze (except LF1)</p> <p>Lamp Type (not included) 19=A19, A15, G16 5 4=12V MR16, T4 (LV2, H2)</p>	<p>Adapter/Canopy Finish Blank=Same as Finial (LF1 only available in AH finish) Blank=Same as Finial (except LV2) P=White MB=Black</p> <p>Shade Size LRG=Large</p>	<p>Shade Colors AmberIce=Amber Ice AmberWeb=Amber Web Blueberry=Blueberry Swirl Butterscotch=Butterscotch Twist Candy=Candy Apple Caramel=Caramel Cherries=Cherries Jubilee Coconut=Tahitian Coconut Indigo=Indigo Irish=Irish Coffee Licorice=Black Licorice</p>	<p>Marshmallow=Marshmallow Swirl MossyIce=Mossy Ice MossyWeb=Mossy Web Plum=Plum Wine Rocky=Rocky Road Sandstone=Sandstone SeaMoss=Sea Moss Smoke=Smoke Spumoni=Spumoni</p>
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Notes: ¹ Adapters available for other track systems Specifications & dimensions subject to change without notice



Span MR16 Open and Closed Back

- Polycarbonate adapter: Attaches electrically and mechanically anywhere along track
- Round polycarbonate arm allows lampholder to rotate 330° and provides 0° to 90° vertical pivot for maximum aiming adjustability
- Lampholder tilt can be locked in place easily with the use of a M1.5 allen wrench
- Die Cast Aluminum housing provides durability and good thermal performance
- Fixture provided with cover glass (required for use with non-open fixture rated lamps). Can be replaced with colored or beam modifying lenses

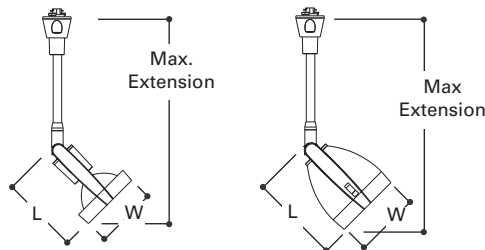
Span MR16 Open and Closed Back

A series of Open and Closed Back styled lampholders available for use with a variety of lamp types. The clean, minimal stem and tine design of the open back version allows the lamp to be part of the design, thus creating an altogether different aesthetic.

Length (L): 2.56" [65mm]
 Width (W): W=2.56" [65mm]
 Max Extension:
 Linea Track 7.6" [193mm]

IMPORTANT!

Lampholder is ready to install on Linea track. To install lampholder on other Cooper Lighting Track Systems, Converters and/or transformers are required. Please see Transformers and Converters at www.cooperlighting.com



Ordering Information

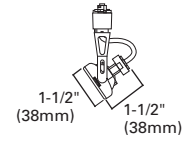
Track LV=Linea Track	Lamp Type 2=Low Voltage	Series 02=Span	Style Blank=Open Back CB=Closed Back	Lamp 16=MR16	Finish AH=Aluminum Haze	Accessories LM20216AH=Media Holder L100 Series Lenses L100MB Hex Cell Louver
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LV303 Steel Gimbal

Finish: White (P), Black (MB), Silver (SL)
Lamp: 35W Max. 12V or 24V MR11

<p>12V or 24V 12V or 24V POWER SUPPLIES AVAILABLE</p>	<p>ACCEPTS COLOR FILTERS</p>	<p>ACCEPTS OPTICAL LENSES</p>	<p>35W 12V or 24V MR11</p>
	by others	by others	



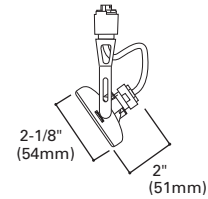
Max Extension:
2 7/8" (73mm)



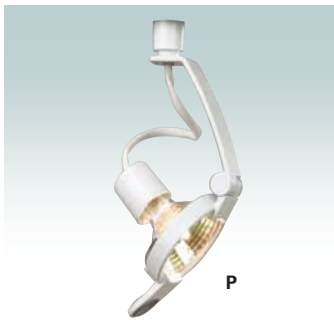
LV304 Steel Gimbal

LV304 Steel Gimbal
Finish: White (P), Black (MB), Silver (SL)
Lamp: 50W Max. 12V or 24V MR16
Accessories: L1982MB Barn Door Shutters, L100 Hex Cell Louver, L100 Series Color Filters, L100 Series Optical Filters (will accept one media).

<p>12V or 24V 12V or 24V POWER SUPPLIES AVAILABLE</p>	<p>ACCEPTS COLOR FILTERS</p>	<p>ACCEPTS OPTICAL LENSES</p>	<p>BARN DOORS AVAILABLE</p>	<p>50W 12V or 24V MR16</p>
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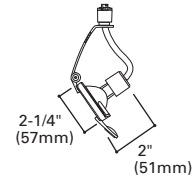
Max Extension:
3 3/4" (95mm)



LV306 Contemporary Gimbal

LV306 Contemporary Gimbal
Finish: White (P), Black (MB), Silver (SL)
Lamp: 50W Max. 12V or 24V MR16
Accessories: L100 Hex Cell Louver, L100 Series Color Filters, L100 Series Optical Filters (will accept one media).

<p>12V or 24V 12V or 24V POWER SUPPLIES AVAILABLE</p>	<p>ACCEPTS COLOR FILTERS</p>	<p>ACCEPTS OPTICAL LENSES</p>	<p>35W 12V or 24V MR11</p>
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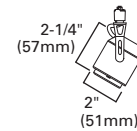
Max Extension:
7 3/8" (187mm)



LV307 Mini Alto

LV307 Mini Alto
Finish: White (P), Black (MB), Silver (SL)
Lamp: 35W Max. 12V or 24V MR11

<p>12V or 24V 12V or 24V POWER SUPPLIES AVAILABLE</p>	<p>ACCEPTS COLOR FILTERS</p>	<p>ACCEPTS OPTICAL LENSES</p>	<p>35W 12V or 24V MR11</p>
	by others	by others	



Max Extension:
4" (102mm)

Lampholder/Track Compatibility

LV303 LV304 LV306 LV307	Linea Track	Halo Track	Flexible Track	Lazer Track
	LV114, LV118 LV102, LV104, LV106, LV108	L2004 or L2005 required for use with Halo Single & 2 Circuit L650, L651, L652, L653 L641, L642, L643 L611, L612, L613 L1631, L1632	LF2LV & LF2005 or LF2006 required for use with Halo "LF" Flexible Track: LF4, LF8	L2004 or L2005 Transformer required for Lazer Track: LZR102, LZR104, LZR106, LZR108

HALO Track Systems



HALO Single Circuit Track

Miniature size, decorator finishes, push-in connectors, economy, all combine to make single-circuit Miniature Trac perfect for residential or commercial use.

- **L650** 2' Track. Actual length 20 1/8" (511mm).
Finishes: White (P), Black (MB), Bronze (BZ), Antique Brass (AB), Polished Brass (B), Silver (SL)

- **L651** 4' Track. Actual length 44 1/8" (1121mm).
Finishes: White (P), Black (MB), Bronze (BZ), Antique Brass (AB), Polished Brass (B), Silver (SL)
- **L652** 8' Track. Actual length 92 1/8" (2340mm).
Finishes: White (P), Black (MB), Bronze (BZ), Antique Brass (AB), Polished Brass (B), Silver (SL)
- **L653** 12' Track. Actual length 140 1/8" (3559mm).
Finishes: White (P), Black (MB), Silver (SL)



HALO Two Circuit Track

Halo-2 Power-Trac system provides two separate 20 AMP circuits. Each circuit can be independently switched. Provides maximum flexibility, with a miniature profile. Suitable for a wide range of commercial, merchandising and residential applications.

- **L641** 4' Track. Actual length 42 5/8" (1083mm).
Finish: White (P), Black (MB), Silver (SL)

- **L642** 8' Track. Actual length 90 5/8" (2302mm).
Finish: White (P), Black (MB), Silver (SL)
- **L643** 12' Track. Actual length 138 5/8" (3521mm).
Finish: White (P), Black (MB), Silver (SL)



L900 Outlet Box Cover

Can be used at any electrical feed connection point (Live, Straight, L, T or X). Size: 5" sq. Screws included.

Finish: White (P), Black (MB)



Flexible Connector

Single Circuit: L902P, MB
Two Circuit: L942P, MB

To connect two track sections at any angle up to 90° in either plane or wall to ceiling or pitched ceiling applications.



Live End Connector

Single Circuit: L901P, MB
Two Circuit: L941P, MB

To start a run.



Straight Connector

Single Circuit: L903P, MB
Two Circuit: L943P, MB

To connect two track sections end-to-end. May be used as feed point.



L Connector

Single Circuit: L904P, MB
Two Circuit: L943P, MB

To connect two track sections at a right angle. Field adjustable for either right hand or left hand application. May be used as feed point.



T Connector

Single Circuit: L905P, MB
Two Circuit: L945RP, MB L945LP, MS

To connect three track sections into a T configuration. Single circuit field adjustable for either right hand or left hand application. Two circuit must order correct polarity. Only L905 may be used as feed point.



X Connector

Single Circuit: L906P, MB
Two Circuit: L946P, MB

To connect four track sections into a cross configuration. May be used as feed point.



Mini Joiner

Single Circuit: L908P, MB
Two Circuit: L949P, MB

A low profile connector to cleanly and crisply join two straight track sections end-to-end. (Note: The L908 is not a feed point).

LINEA by HALO Track Systems



LINEA by Halo Wireway Channels

Linea offers the ultimate in miniaturization. The low voltage lighting system includes track, connectors, lampholders and specialized power supplies and accessories. Linea lampholders can be used on Halo Track with the L2004 adapter

- **LV114** 4' Channel.
Actual length 44 1/16" (1122mm)
Finishes: White (P), Black (MB), Silver (SL)

- **LV118** 8' Channel.
Actual length 92 1/16" (2341mm)
Finishes: White (P), Black (MB), Silver (SL)



LV211 End Feed

For starting a run. Will accept Surface conduit

Finish: White (P), Black (MB)



LV212 Straight Joiner

For connecting two sections. May also be used as a feed point.

Finish: White (P), Black (MB)



LV213 Right-Angle Joiner

For connecting two sections at a 90° angle. May also be used as a feed point.

Finish: White (P), Black (MB)



LV216 T-Bar and J-Box Canopy Feed

For starting a run on a T-bar ceiling installation. Use with conduit fitting or with outlet box.

Finish: White (P), Black (MB)



LV215 Flexible Joiner

To connect two sections at an angle up to 90° or for connecting wall- and ceiling-mounted sections. Allows for continuation of wireway. May also be used as a feed point.

Finish: White (P), Black (MB)



M248-MRI Interior Surface

M248 Luminous Bowl features available in two sizes.

Material

Aluminum trim and mounting pan with a matte white acrylic Elliptical (EL) or Deep Bowl (DB).

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Lamp/Socket

16": Two (2) 60W A-19 lamps.

20": Three (2) 75W A-19 lamps. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

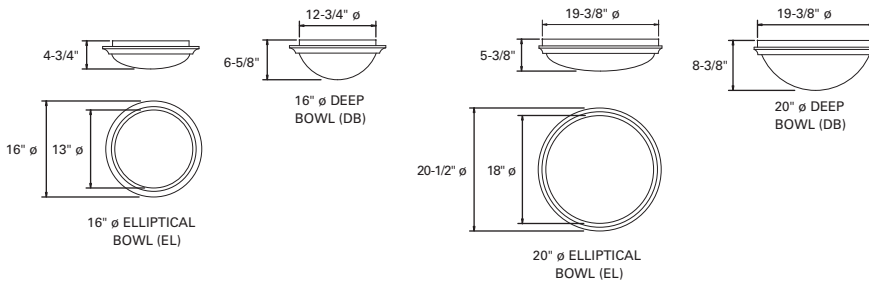
See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: M248-DB-16-120V-PC-MRI

Series	Bowl	Size	Lamp	Voltage	Finish
M248-Bowl Surface w/ Trim Ring	EL = Elliptical	16"	INC/2/75 ¹	120V	MW (standard),
	DB = Deep Bowl	20"	INC/3/75 ²	277V 347V	CC

Notes:
1 Available in 16"
2 Available in 20"



M418-MRI Pendant

M418 Direct/Indirect Luminous Bowl Pendant.

Material

Solid aluminum materials. Matte white acrylic bowl and optional Cone Diffuser (CD). Single stem is standard suspension. Minimum 18" (OA).

Installation

Supplied with either a circle strap mounting canopy or bar strap that mounts to a 4" J-box or plaster ring. Integral safety cable provided.

Lamp/Socket

One (1) 100W A-19 lamp. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

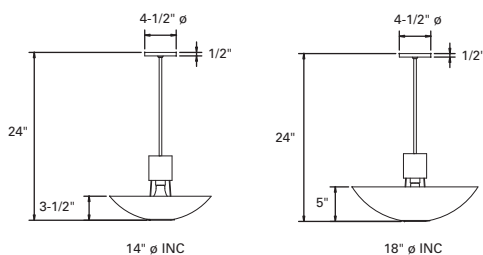
See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: M418-18-INC/1/100-MRI-120V-NA-24

Series	Size	Lamp	Voltage	Finish	Options	OA
M418-Direct/Indirect Luminous Bowl	14"	INC/1/100	120V	NA (standard), CC, MW, SAL	1S CSJ DL SCA ¹	24"
	18"					Or Specify

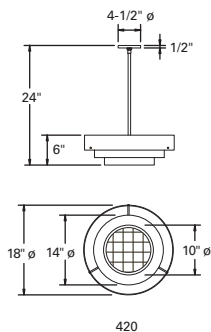
Notes:
1 For Stem mounting only Specify up to 45"





420-MRI Ceiling/Pendant

420 Art Deco Ringed Baffle Pendant.



Material

Solid aluminum materials. White 1/2" x 1/2" cube cell louver. Optional Matte White Acrylic Lens (AL). Single stem is standard suspension. Minimum 18" (OA).

Installation

Supplied with a bar strap that mounts to a 4" J-box or plaster ring. Integral safety cable provided.

Lamp/Socket

Three (3) 150W A-21 lamps. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Ordering Information

SAMPLE NUMBER: 420-MRI-INC/3/150-NA-24

Series	Lamp	Finish	Options	OA
420=Art Deco Ringed Baffle	INC/3/150	NA (standard), CC, MW, SAL	AL DL SCA ¹ SJCAC SJWAC	24" Or Specify

Notes:
1 For Stem mounting only Specify up to 45°



M648-MRI Interior Wall

M648 features a top mounted traditional trim with a luminous bowl. The 648/4 features a bottom mounted traditional trim with a luminous bowl and is ADA compliant.

Material

Painted aluminum base metal. White matte acrylic bowl. bowl. Optional hexcel top louver; natural aluminum.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Lamp/Socket

648: One (1) 75W A-19 lamp.

648/4: One (1) 75W A-19 lamp. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

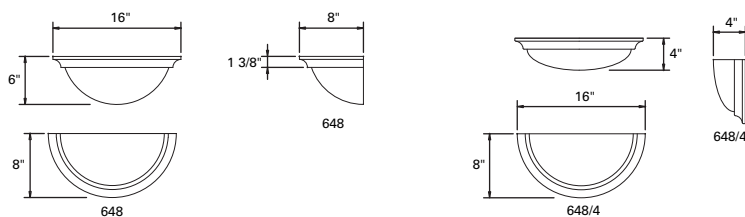
See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: M648-CFL-INC/1/60-120V-CC-MRI

Series	Lamp	Voltage	Finish	Options
M648=Luminous Bowl	INC/1/60 ¹	120V	MW (standard), CC	DL FB HL TF
M648/4=ADA Compliant Luminous Bowl	INC/1/75 ²			

Notes:
1 Available with 648/4M Series
2 Available with 648M Series





M649-MRI Ceiling/Interior Wall

M649 Direct/Indirect Trimmed Arm Mount Luminous Bowl.

Material

Aluminum arm and wall canopy. Aluminum or cold rolled steel trim.
Matte white acrylic bowl.

Installation

Supplied with a mounting plate with an integral tenon for a standard 4" J-box or plaster ring.

Lamp/Socket

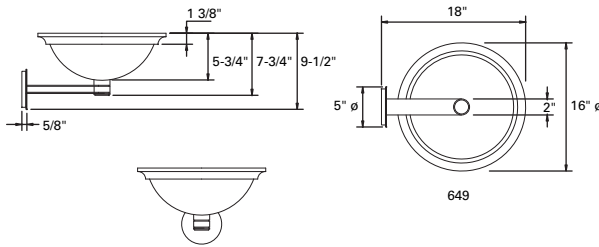
Two (2) 75W A-19 lamps. INC socket fired ceramic rated for 660W-250V.
Lamps furnished by others.

Ordering Information

SAMPLE NUMBER: M649-INC/2/75-MRI

Series	Lamp	Voltage	Finish	Options
M649 - Trimmed Arm Mount Luminous Bowl	INC/2/75	120V 277V ¹ 347V ¹	NA (standard), CC, MW, SAL	DL FB

Notes:
1 Available with 648_4 Series
2 Available with 648 Series



M652-MRI Interior Surface

M652 Direct Cylinder with Luminous Edge and a double arm wall bracket.

Material

Solid aluminum. 1/4" Matte acrylic edge(s).

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Lamp/Socket

One (1) 50WPAR20H or 75WPAR30 lamp or one (1) 75W A-19 lamp.

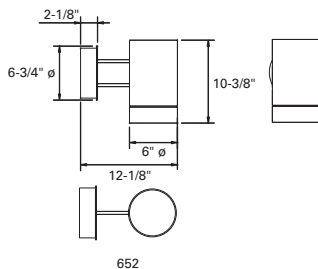
Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: M652-INC/1/75-120V-NA-MRI

Series	Lamp	Voltage	Finish	Options
M652 = Direct Cylinder w/ Luminous Edge	INC/1/75 PARH/1	120V	NA (standard) CC, MW	DL





M653-MRI Interior Wall

M653 Direct/Indirect Cylinder with a Luminous Edges and a double arm wall bracket.

Material

Solid aluminum. 1/4" Matte acrylic edges.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Lamp/Socket

Two 50WPAR20H or 75WPAR30 lamps or two (2) 75W A-19 lamps. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

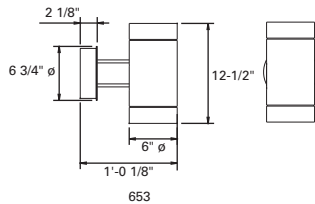
Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: M663-INC/2/75-CC-MRI

Series	Lamp	Voltage	Finish	Options
M663=Direct/Indirect Cylinder w/Luminous Edge	INC/2/75 PARH/2	120V	NA (standard), CC, MW	DL



M658-MRI Interior Wall

M658 features a luminous shield with a modern die-cast base and is ADA compliant.

Material

Painted or plated solid die-cast aluminum with a 1/8" matte white acrylic shield.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Lamp/Socket

10": Two (2) 40W frosted T-10 lamps.

14": Two (2) 40W frosted -10 lamps. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

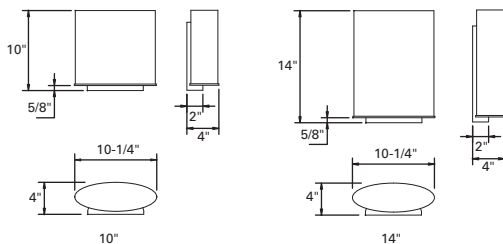
Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: M658-14-CFL/2/27-347V-PCP-MRI

Series	Size	Lamp	Voltage	Finish	Options
M658=Luminous Shield	10" 14"	INC/2/40	120V	MW (standard), CC, SAL	DL FD





M661-MRI Interior Wall

M661 features a Luminous Diffuser in Acrylic, Perforated Metal or Parchment. ADA compliant.

Material

Plated or painted brushed die-cast aluminum with an aluminum mounting plate. Matte white acrylic diffuser.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Lamp/Socket

9": One (1) 60W frosted T-10 lamp.

16": One (1) 60W frosted T-10 lamp. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

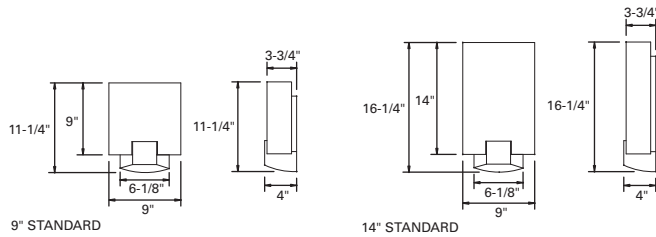
Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: M661-9-CFL/1-347V-MW-MRI

Series	Size	Lamp	Finish	Options
M661=Luminous Shield	9" 16"	INC/1/60	NA (standard), CC, MB, MW, SAL	DL PF FD



Lobbies | Reception Areas/Waiting Rooms



303 Bundle Pendant

303 Luminous Glass Pendant features a Triple Trim Ring with a Cast Emblems and various glass colors and texture options.

Material

Cast aluminum or cold rolled steel, powder coat white, support assembly. 3" ht. (5 -5/8" each) brass, steel or aluminum trim rings and cast "X" emblem assembly. Four stem is standard suspension. Minimum 24" (OA).

Installation

Supplied with either a circle strap mounting canopy or bar strap that mounts to a 4" J-box or plaster ring. Integral safety cable provided.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

24": Four (4) 18W (GX24q-2) or 26W (GX24q-3) 4-pin triple CFL lamps or four (4) 75W A-19 incandescent lamps. 30": Four (4) 18W (GX24q-2), 26W, 32W (GX24q-3) or 42W (GX24q-4) 4-pin triple CFL lamps or four (4) 100W A-19 incandescent lamps. 36": Four (4) 18W (GX24q-2), 26W, 32W (GX24q-3), 42W (GX24q-4) or 57W-HO (GX24q-5) 4-pin triple CFL lamps or four (4) 150W A-19 incandescent lamps. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

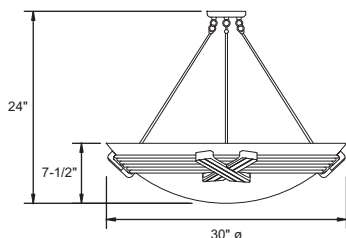
See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 303-30-CFL/4/42-120V-GSML-SC-42

Series	Lamp	Glass Finish	Options	OA
303 = Bundle Interior Pendant	CFL/4/18 ^{2,3} CFL/4/57 ¹ CFL/4/26 ^{2,3} INC/4/75 ¹ CFL/4/32 ^{2,3} INC/4/100 ² CFL/4/42 ^{2,3} INC/4/150 ³	GAW Finish NA (standard), CC, GNM, MW, OBRS, OCP, PB, PC, PCP, PN, SAL, SB, SC, SCP, SN, SZ	DM ⁵ IEM ^{2,3} REM ^{1,6} SCA	24" OA-24" dia 32" OA-30" dia 42" OA-36" dia or specify
Size	Voltage			
24" 30" 36"	120V 277V ⁴ 347V ⁴			

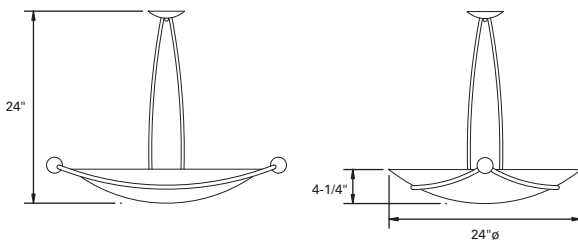
Notes: 1 Available in 24"
2 Available in 30"
3 Available in 36"
4 Available with CFL only
5 Consult the factory for available options
6 Supplied by others





330 Farallon Pendant

330 Luminous Glass Pendant is cradled by a Bowed Trim Ring with Decorative Balls. Available with various glass colors and texture options.



Material

Cast aluminum or cold rolled steel, powder coat white, support assembly. Brass, steel or aluminum trim and balls. Four bowed stems is standard suspension. Minimum 18" (OA).

Installation

Supplied with either a circle strap mounting canopy or bar strap that mounts to a 4" J-box or plaster ring. Integral safety cable provided.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

24": Four (4) 18W (GX24q-2), 26W (GX24q-3) 4-pin triple CFL lamps or four (4) 75W A-19 incandescent lamps. **30"**: Four (4) 18W (GX24q-2), 26W, 32W (GX24q-3) or 42W (GX24q-4) 4-pin triple CFL lamps or four (4) 100W A-19 incandescent lamps. **36"**: Four (4) 18W (GX24q-2), 26W, 32W (GX24q-3), 42W (GX24q-4) or 57W-HO (GX24q-5) 4-pin triple CFL lamps or four (4) 150W A-19 incandescent lamps. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 330-30-INC/4/100-120V-GAML-OBRS-47

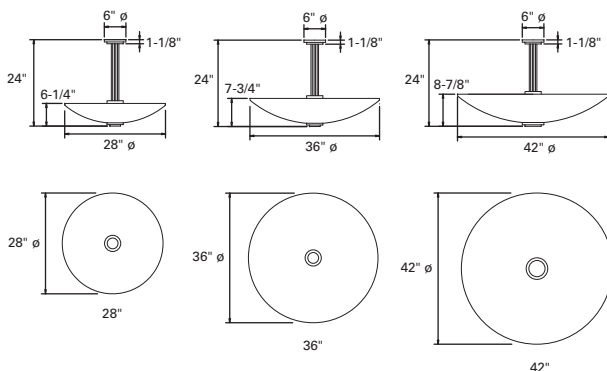
Series	Lamp	Voltage	Glass Finish	Finish	OA
330 = Starlight Interior Pendant	CFL/4/18 ^{1,2,3} CFL/4/26 ^{1,2,3} CFL/4/32 ³	120V 277V ⁴ 347V ⁴	GAW	NA (standard), CC, GNM, MW, OBRS, OCP, PB, PC, PCP, PN, SAL, SB, SC, SCP, SN, SZ	24" OA-24 dia 32 OA-30 dia 42 OA-36 dia or specify
Size					
24"	CFL/4/42 ^{2,3}				
30"	CFL/4/57 ³				
36"	INC/4/75 ¹ INC/4/100 ² INC/4/150 ³				
				Options	
				DM ⁵ , IEM ^{2,3} REM ^{1,5} , SCA	

Notes:
1 Available in 24"
2 Available in 30"
3 Available in 36"
4 Available with CFL only
5 Consult the factory for available options
6 Supplied by others



404 Pendant

404 Direct/Indirect Pendant features a low profile bowl and is available in three diameters with multiple mounting options.



Material

Painted and plated cold rolled steel, solid brass or aluminum with a matte white acrylic bowl. Optional cold rolled steel, solid brass or stainless steel coming ring. Three stem is standard suspension. Minimum 18" (OA).

Installation

Supplied with either a circle strap mounting canopy or bar strap that mounts to a 4" J-box or plaster ring. Integral safety cable provided.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

28": Four (4) 13W (2GX7) 4-pin low wattage CFL lamps, 26W or 32W (GX24q-3) triple 4-pin CFL lamps or three (3) 75W A-19 lamps. **36"**: Four (4) or eight (8) 27W (2G11) high lumen CFL lamps, four (4) 42W (GX24q-4) 4-pin triple CFL lamps or six (6) 75W A-19 lamps. **42"**: Four (4) or eight (8) 39W (2G11) high lumen CFL lamps, four (4) or eight (8) 42W (GX24q-4) 4-pin triple CFL lamps or six (6) 100W A-19 lamps. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 404-36-CFL/4/26-347V-OBRS-___

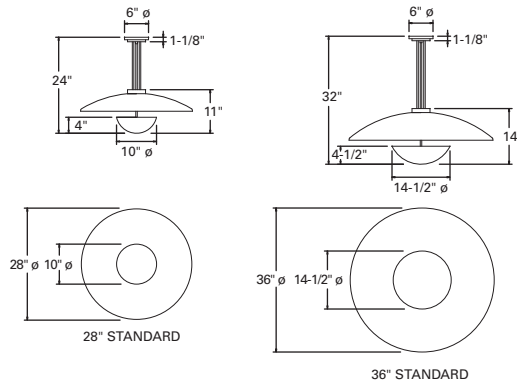
Series	Lamp	Voltage	Options	Finish
404=Luminous Shallow Bowl	CFL/4/13 ¹ CFL/4/26 ¹ CFL/4/27 ² CFL/4/32 ¹ CFL/4/39 ³ CFL/4/42 ^{2,3} CFL/8/27 ² CFL/8/39 ³ CFL/8/42 ³ INC/3/75 ¹ INC/6/75 ² INC/6/100 ³	120V 277V ⁴ 347V ⁴	1S 2TRB 1SAC TR QPB CT SJCAC DL SJCAC DM ^{5,6,7} TPB CFL TSS2B IEM ^{2,3} TSS3B REM ⁸ TSS4B SCA ⁹ 2TBF FB	MW (standard), CC, OBRS, PB, PC, PCP, PN, SAL, SB, SC, SCL, SCP, SN, SNL OA 24" Or Specify
Size				
28"				
36"				
42"				

Notes:
1 Available in 28"
2 Available in 36"
3 Available in 42"
4 Available with CFL only
5 Not available in 13W
6 Not available in 17W
7 Consult the factory for available options
8 Supplied by others
9 Not available with 1SAC, SJCAC or SJCAC
Specify up to 45"



406 Direct/Indirect Pendant

406 Direct/Indirect Pendant features a luminous, perforated or solid upper dome with an indirect solid lower bowl and is available in two diameters with multiple mounting options.



Material

Painted and plated cold rolled steel or aluminum. Optional Caming Trim, luminous dome. Matte white acrylic Luminous Upper Dome (LUD), Perforated Upper Dome with acrylic liner and caming trim (PUD) or Solid Upper Dome (SUD) that is supplied with a painted white interior; exterior as per finish specification. Three stem is standard suspension. Minimum 18" (OA).

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring. Safety cable provided.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

28": Two (2) 26W, 32W (GX24q-3) or 42W (GX24q-4) 4-pin triple CFL lamps or two (2) 75W A-19 lamps. 36": Four (4) 26W, 32W (GX24q-3) or 4-pin triple CFL lamps or three (3) 75W A-19 lamps. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 406-LUD-36-CFL/4/26-347V-OBRS-24

Series	Lamp	Voltage	Options
406-Direct/Indirect Dome	CFL/2/26 ¹	120V	1S DM ¹
	CFL/2/32 ²	277V ³	TSS2B REM ²
	CFL/2/42 ³	347V ³	TSS3B SCA ³
Bowl	CFL/4/26 ¹		TSS4B
LUD = Luminous Upper Dome	CFL/4/32 ²		CT ⁴
PUD = Perforated Upper Dome	INC/2/75 ⁵		DL
SUD = Solid Upper Dome	INC/3/75 ⁵		
Size		Finish	OA
28"		MW (standard),	24" Or Specify
36"		CC, OBRS, PB ⁶ , PC ⁶ , PCP ⁶ , PN ⁶ , SAL, SB, SC, SCL, SCP, SN, SNL	

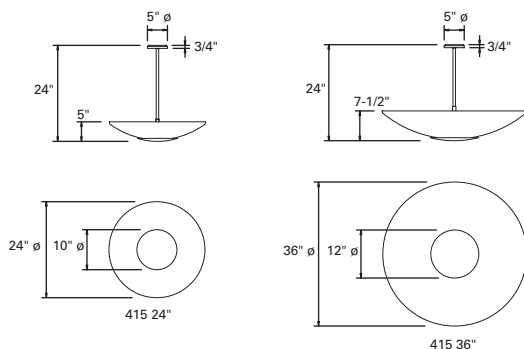
Notes:

1 Available in 28" 2 Available in 36" 3 Available with CFL only 4 LUD and 28" SUD only 5 28" SUD only 6 LUD only 7 Consult the factory for available options 8 Supplied by others 9 Specify up to 45"



415 Direct/Indirect Pendant

The 415 Solid, Perforated or Luminous Pendant features direct/indirect illumination with an Accent Disc available in two diameters with multiple mounting options.



Material

Painted and plated cold rolled steel, solid brass or aluminum. Matte acrylic Luminous Bowl with center accent disc (LBD) or Aluminum Perforated Bowl with acrylic liner, caming trim and accent disc (PFD) or cold rolled steel, aluminum or natural brass Solid Bowl with center accent disc (SBD). Cold rolled steel, solid brass or stainless steel Caming Trim (CT) optional for the Luminous Bowl. Single stem is standard suspension. Minimum 18" (OA). Supplied with a swivel canopy which will accommodate up to 45° total adjustment.

Installation

Supplied with either a circle strap mounting canopy or bar strap that mounts to a 4" J-box or plaster ring. Integral safety cable provided.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

24": Four (4) 26W, 32W (GX24q-3) or 42W (GX24q-4) 4-pin triple CFL lamps or three (3) 75W A-19 lamps. 36": Four (4) or eight (8) 39W (2G11) high lumen CFL lamps, 42W (GX24q-4) 4-pin triple CFL lamps or three (3) 100W A-19 lamps. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 415-SBD-36-CFL/4/26-347V-OBRS-24

Series	Size	Lamp	Voltage	Options	OA
415-Bowl	24"	CFL/4/26 ¹	120V	1SAC CPP ⁴	24"
	36"	CFL/4/32 ²	277V ³	3S CT ⁷	Or Specify
Bowl		CFL/4/39 ³	347V ³	QPB DL	
LBD = Luminous Bowl		CFL/4/42 ^{1,2}		SJCAC DM ⁸	
PFD = Perforated Bowl		CFL/8/39 ²		SJWAC IEM ⁹	
SBD = Solid Bowl		CFL/8/42 ²		TPB REM ⁹	
		INC/3/75 ⁵		TSP2B SCA ¹⁰	
		INC/3/100 ²		TSP3B FB ⁷	
				SCL, SCP, SN, SNL TSP4B TR	

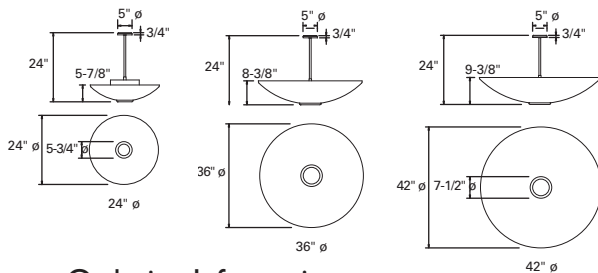
Notes:

1 Available in 24" 2 Available in 36" 3 Available with CFL only 4 Note available with PFD 5 SBD and 24" LBD only 6 SBD only 7 Luminous Bowl only 8 Consult the factory for available options 9 Supplied by others 10 Not available with 1SAC, SJWAC or SJCAC Specify up to 45"



415-D Pendant

The 415-D Solid, Perforated or Luminous Pendant features direct/indirect illumination with an integral downlight. Available in three diameters with multiple mounting options.



Ordering Information

SAMPLE NUMBER: 415-D-SMB-36-CFL/4/26-PAR30H/1/75-347V-OBRS-24

Series	Bowl	Size	Lamp	Downlight Lamp	Voltage	Finish	Options	OA
415-D= Bowl w/ Integral Downlight	LB = Luminous Bowl PFC = Perforated Bowl SMB = Solid Bowl	24" 36" 42"	CFL/4/13 ¹ CFL/4/42 ^{2,3} CFL/4/26 ¹ INC/3/75 ¹ CFL/4/27 ² INC/6/75 ² CFL/4/32 ¹ INC/6/100 ³ CFL/4/39 ³	CFL/1/13 ³ CFL/1/26 ² CFL/1/32 ³ PAR20H/1/50 ¹ PAR30H/1/75 ^{2,3}	120V 277V ¹ 347V ¹	MW (standard), CC, OBRS ⁵ , PB ¹ , PC ⁴ , PCP ⁵ , PN ⁵ , SAL, SB ⁵ , SC ⁵ , SCL, SCP ⁵ , SN ⁵ , SNL	1SAC TSS4B 3S CT ⁷ QPBB DL SJCAC DM ^{8,9,10} SJJWAC IEM ^{2,3} TPB REM ¹¹ TSS2B SCA ¹² TSS3B FB ⁷	24" Or Specify

Notes:

1 Available in 24" 2 Available in 36" 3 Available in 42" 4 Available with CFL only 5 Not available with PFC 6 24" LB only 7 Luminous Bowl only 8 Not available in 13W
9 Not available in 27W 10 Consult the factory for available options 11 Supplied by others 12 Not available with 1SAC, SJJWAC or SJCAC. Specify up to 45°

Material

Painted and plated cold rolled steel, solid brass or aluminum. Matte white acrylic Luminous Bowl (LB) or aluminum Perforated Bowl with matte white acrylic liner and caming trim (PFC) or cold rolled steel, aluminum, natural bronze brass Solid Bowl (SMB). Cold rolled steel, solid brass or stainless steel Caming Trim (CT) optional for the Luminous Bowl. Downlight trim is cold rolled steel, solid brass or aluminum. Single stem is standard suspension. Minimum 18" (OA). Supplied with a swivel canopy which will accommodate up to 45° total adjustment.

Installation

Supplied with either a circle strap mounting canopy or bar strap that mounts to a 4" J-box or plaster ring. Integral safety cable provided.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

24" Bowl: Four (4) 13W (2GX7) 4-pin low wattage CFL lamps, 26W or 32W (GX24q-3) 4-pin triple CFL lamps or three (3) 75W A-19 lamps. Downlight: One (1) 13W (G24q-3) 4-pin quad CFL lamp or one (1) 50WPAR20H. **36" Bowl:** Four (4) 27W (2G11) high lumen CFL lamps, 42W (GX24q-4) 4-pin triple CFL lamps or six (6) 75W A-19 lamps. Downlight: One (1) 26W (GX24q-3) 4-pin triple CFL lamp or one (1) 75WPAR30H. **42" Bowl:** Four (4) 39W (2G11) high lumen CFL lamps, 42W (GX24q-4) 4-pin triple CFL lamps or six (6) 100W A-19 lamps. Downlight: One (1) 32W (GX24q-3) 4-pin triple CFL lamp or one (1) 75WPAR30H. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

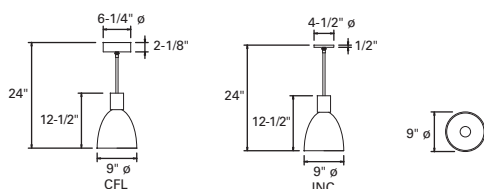
Finish and Options

See pages 77-80 for finish details and options.



416 Pendant

416 Luminous Shade Pendant.



Material

Solid aluminum or solid copper materials. Matte white acrylic diffuser. Supplied with an SJ cord assembly. Minimum 18" (OA).

Installation

Supplied with either a circle strap mounting canopy or bar strap that mounts to a 4" J-box or plaster ring. Integral safety cable provided with option stem.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

One (1) 26W, 32W (GX24q-3) or 42W (GX24q-4) 4-pin triple CFL lamps or one (1) 100W A-19 lamps. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 416-CFL/1/26-347V-SAL-24

Series	Lamp	Voltage	Finish	Options	OA
416-Luminous Shade	CFL/1/26 CFL/1/32 CFL/1/42 INC/1/100	120V 277V ¹ 347V ¹	NA (standard), CC, MW, PCP, SAL, SCP	1S CSJ PSS2SD PSS3SD PSS4SD DL DM ² REM ³ SCA ⁴	24" Or Specify

Notes:

1 Available with CFL only
2 Consult the factory for available options
3 Supplied by others
4 For Stem mounting only Specify up to 45°



422 Pendant

422 Luminous Cylinder Pendant features Three Accent Trim Bars.

Material

Solid brass or aluminum housing and clear sanded decorative trim. Matte acrylic 4" Dia. luminous cylinder. Supplied with a single stem with a standard overall hang height 24" (OA), minimum 18" (OA).

Installation

Supplied with either a circle strap mounting canopy or bar strap that mounts to a 4" J-box or plaster ring. Integral safety cable provided.

Ballast

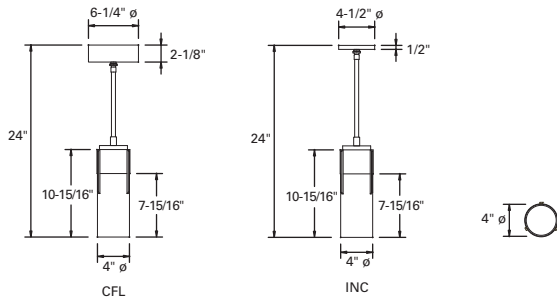
Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

One (1) 18W (G24q-2), or 26W (G24q-3) 4-pin quad CFL lamp or one (1) 40W T-10 lamp. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.



Ordering Information

SAMPLE NUMBER: 422-CFL/1/18-347V-OBRS-30

Series	Lamp	Voltage	Finish	Options	OA
422=Luminous Cylinder w/ Trim Bars	CFL/1/18	120V	NA (standard),	CSJ	24"
	CFL/1/26	277V ¹	CC, MW, OBRS,	WSJ	Or Specify
	INC/1/40	347V ¹	PB, PC, PCP, PN, SAL, SB, SC, SCL, SCP, SN, SNL	DL DM ² REM ³ SCA ⁴ FC	

- Notes:
 1 Available with CFL only
 2 Consult the factory for available options
 3 Supplied by others
 4 Specify up to 45"



444 Pendant

444 Conical Pendant with Decorative Trim Bars/Finial available in two diameters with multiple mounting options.

Material

Painted and plated cold rolled steel with a matte white acrylic bowl and 1/4" x 3/8" accent trim. Three stem is standard suspension. Minimum 20" (OA) for 27" bowl and minimum 30" (OA) for 36" bowl.

Installation

Supplied with either a circle strap mounting canopy or bar strap that mounts to a 4" J-box or plaster ring. Integral safety cable provided.

Ballast

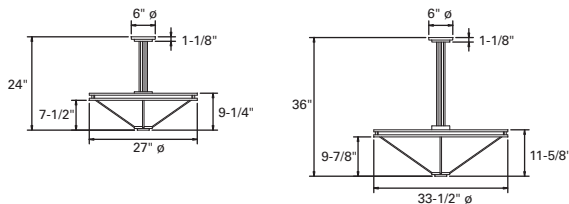
Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

27": Four (4) 26W, 32W (GX24q-3) or 42W (GX24q-4) 4-pin triple CFL lamps or three (3) 100W A-19 lamps. 34": Four (4) 26W, 32W (GX24q-3) or 42W (GX24q-4) 4-pin triple CFL lamps or three (3) 150W A-21 lamps. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.



Ordering Information

SAMPLE NUMBER: 444-27-CFL/4/26-347V-OBRS-___

Series	Size	Voltage	Finish ⁴	Options	OA
444=Conical w/ Decorative Trim	27"	120V	MW (standard),	1S	TSP4B
	34"	277V ³	CC, OBRS, PB, PC, PCP, PN, SAL, SB, SC, SCL, SCP, SN, SNL	1SAC SJCAC SJWAC TSP2B TSP3B	DL DM ² IEM ³ REM ³ SCA ⁴ FB TX

- Notes:
 1 Available in 27"
 2 Available in 34"
 3 Available with CFL only
 4 For polished finishes the bottom inside edge of the ring is satin to prevent upper ring reflections
 5 Consult the factory for available options
 6 Supplied by others
 7 For Stem mounting only Specify up to 45"



461 & 461-A Pendant

461 Solid Aluminum or 461-A Luminous Cylinder Pendants.

Material

Base metal is solid aluminum. Matte white acrylic cylinder. Single stem is standard suspension. Minimum 18" (OA).

Installation

Supplied with a bar strap that mounts to a 4" J-box or plaster ring. Integral safety cable provided with stem option.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

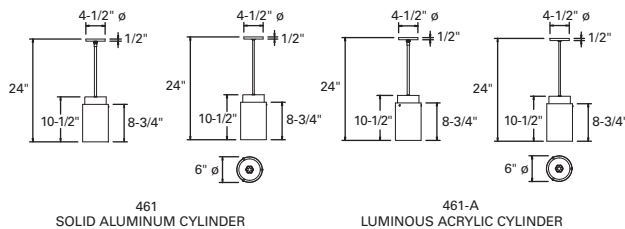
Lamp/Socket

461: One (1) 18W (GX24q-2) or 26W (GX24q-3) 4-pin triple CFL lamp or one (1) 100W A-19 or 50PAR20H, 75PAR30H or 90PAR38H lamp.

461-A: One (1) 18W (GX24q-2) or 26W (GX24q-3) 4-pin triple CFL lamp or one (1) 75W A-19 lamp. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.



461
SOLID ALUMINUM CYLINDER

461-A
LUMINOUS ACRYLIC CYLINDER

Ordering Information

SAMPLE NUMBER: 461-CFL/1/26-347V-SAL-32

Series	Lamp	Voltage	Finish	Options	OA
461 = Solid Aluminum Cylinder	CFL/1/18	120V	NA (standard),	1S DL	24"
	CFL/1/26	277V ²	CC, MW, SAL	2CL DM ²	Or Specify
	INC/1/75 ¹	347V ³		3CL REM ⁴	
461-A = Luminous Cylinder	INC/1/100 ²			4CL SCA ⁷	
	HAL/1 ²			CSJ LUB	
				2BD ⁵ PFB	
				2TB	

Notes:

- 1 Available with 461-A
- 2 Available with 461
- 3 Available with CFL only
- 4 Stem only
- 5 Consult the factory for available options
- 6 Supplied by others
- 7 Specify up to 45°



464 Pendant

464 Direct/Indirect Solid Shade Pendant.

Material

Base metal is solid aluminum. Metal shade is solid brass, solid copper or solid aluminum. Matte white polyethylene two piece cone. Optional Decorative Baffle (BL). One 3 (INC) or 5 (CFL) conductor clear SJ cord with a standard overall hang height of 24" (OA), minimum 18" (OA).

Installation

Supplied with a bar strap that mounts to a 4" J-box or plaster ring. Integral safety cable provided with stem option.

Ballast

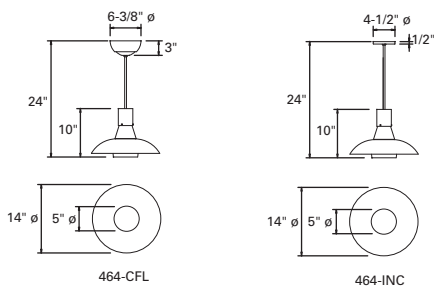
Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

One (1) 26W, 32W (GX24q-3) or 42W (GX24q-4) 4-pin triple CFL lamp or one (1) 75W A-19 lamp. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.



464-CFL

464-INC

Ordering Information

SAMPLE NUMBER: 464-CFL/1/26-347V-SAL-24

Series	Lamp	Voltage	Finish	Options	OA
464 = Solid Shade	CFL/1/26	120V	NA (standard),	1S BLDL	24"
	CFL/1/32	277V ¹	CC, MW, PCP,	CSJ DM ²	Or Specify
	CFL/1/42	347V ¹	SAL, SB, SCP	SSS2SD REM ⁴	
	INC/1/75			SSS3SD SCA ⁵	
				SSS4SD	

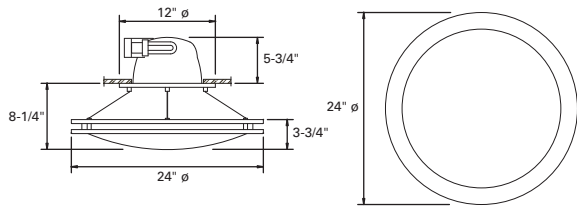
Notes:

- 1 Available with CFL only
- 2 Consult the factory for available options
- 3 26W and 32W only
- 4 Supplied by others
- 5 For Stem mounting only Specify up to 45°



494-RP Recessed Pendant

494-RP features a 24" pendant designed for low ceiling applications and offers performance optics by Portfolio.



Material

Painted or plated cold rolled steel trim ring with a matte white acrylic bowl.

Installation

Recessed mounting requires 9" (23cm) diameter by 6 3/8" (16cm) deep opening in ceiling. Accommodates ceilings up to 2" (5 cm) thick. No Fuss Bar Hangers (tm) and T-Bar provided with centering mechanism that allows consistent centering of luminaire. Thermal protection deactivates unit if improper lamp type or wattage is used or if insulation is placed too close to the housing. Decorative trim/bowl assembly is securely suspended from the mounting ring by three stainless steel cables (provided). No measuring, cutting or adjustment of cables is required to achieve standard overall height and level mounting.

Ballast/Emergency Battery Pack

One (1) integral multi-voltage (120V/277V) electronic CFL (347V Canada) ballast for 26W, 32W or 42W CFL lamps. One (1) integral emergency battery pack option (EM) is shipped pre-wired. Sealed Ni-Cad battery powers CFL lamps for 90 minutes of emergency illumination. Integral test switch/indicator light is located inside the reflector; out of view but easily accessible for testing.

Lamp/Socket

Two (2) 26W, 32W (GX24q-3) or 42W (GX24q-4) 4-pin triple CFL lamps. Universal 4-pin CFL socket injection molded plastic with guide post inserts reject 2-pin lamp to ensure proper lamping. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

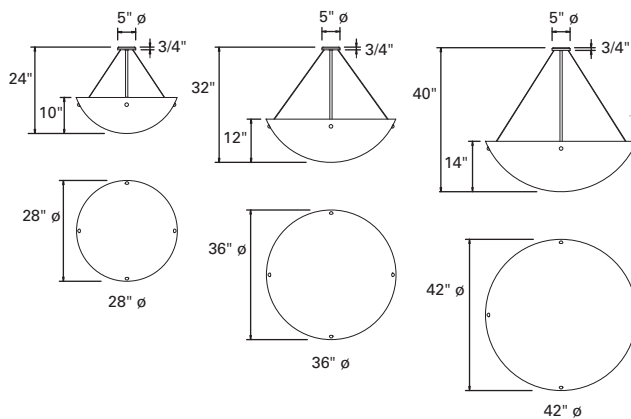
SAMPLE NUMBER: 494-RP-CFL/2/32-347V-PC

Series	Lamp	Voltage	Finish	Options	Options
494-RP =24" Pendant	CFL/2/26 CFL/2/32 CFL/2/42	120V 277V 347V	MW (standard), CC, PB, PC, PCP, SB, SC, SCL, SCP, SN, SNL	DL, EM, FB	DL, DM ^{1,5} REM ⁷ , FD



499 Pendant

499 Direct/Indirect Pendant features a luminous bowl and is available in three diameters with multiple mounting options.



Material

Painted and plated cold rolled steel or natural aluminum. Optional Trim Ring. Matte white acrylic bowl. Single Stem Aircraft Cable (Standard): One 5/8" stem and three or four 3/32" cables with a standard hang height of 24" (OA) for the 28" dia., 32" (OA) for the 36" dia. and 40" (OA) for the 42" dia., minimum 20" (OA).

Installation

Supplied with either a circle strap mounting canopy or bar strap that mounts to a 4" J-box or plaster ring. Integral safety cable provided.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

28": Four (4) 26W or 32W (GX24q-3) 4-pin triple CFL lamps or three (3) 150W A-19 lamps. 36": Four (4) 27W (2G11) or four (4) or six (6) 40W (2G11) high lumen CFL lamps or six (6) 100W A-19 lamps.

42": Four (4) or eight (8) 40W or 50W (2G11) high lumen CFL lamps or six (6) 150W A-21 lamps. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 499-36-CFL/4/26-347V-OBRS-32

Series	Size	Lamp	Voltage	Options	Options
499= Direct/ Indirect Bowl	28"	CFL/4/26 ¹	120V	1S DL	24" (OA) - 28" dia
	36"	CFL/4/27 ²	277V ⁴	3S DM ^{5,6}	32" (OA) - 36" dia
	42"	CFL/4/32 ¹	347V ⁴	QPB CFL	40" (OA) - 42" dia
		CFL/4/40 ^{2,3}		SJCAC	IEM 2, 3
		CFL/4/50 ³		SJWAC	REM 7
		CFL/6/40 ³		TSS2B	SCA 8
		CFL/8/40 ³		TSS3B	FB
		CFL/8/50 ³		TSS4B	TR
		INC/3/150 ¹		SB, SC, SCL, SCP	
		INC/6/100 ²			
		INC/6/150 ³			

Notes:

- Available in 28"
- Available in 36"
- Available in 42"
- Available with CFL only
- Not available in 27W
- Consult the factory for available options
- Supplied by others
- Not available with 1SAC, SJWAC or SJCAC Specify up to 45"



1215-2TR & TTR HP Pendant

The 1215 Shallow Direct/Indirect High Performance Luminous Pendant features a Double Trim Ring (2TR) or a Traditional Trim Ring (TTR) and is available in three diameters with multiple mounting options.

Material

Painted and plated cold rolled steel or natural aluminum pan with a matte white acrylic bowl.

Installation

Supplied with either a circle strap mounting canopy or bar strap that mounts to a 4" J-box or plaster ring. Internal safety cable provided. Refer to specification sheet for additional mounting requirements.

Lamp/Socket

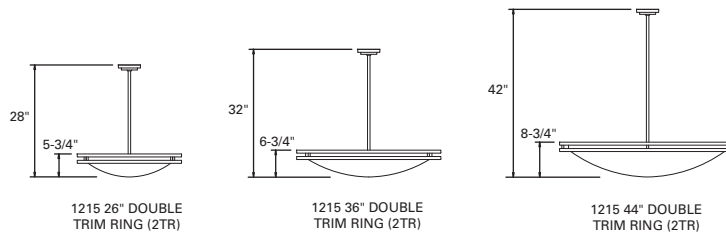
26" - Three (3) or six (6) 27W (2G11) high lumen CFL lamps, three (3) 32W (GX24q-3) or 42W (GX24q-4) 4-pin triple CFL lamps, or three (3) 39W or 70W T6 CDM metal halide lamps, or three (3) 150W T4 (DC Bay) clear linear halogen lamps. One (1) 22W (2GX13) T5 circular lamp (bowl illumination).

36" - Three (3) or six (6) 27W, 39W, 40W, 50W or 55W (2G11) high lumen CFL lamps, three (3) 32W (GX24q-3), 42W (GX24q-4) 4-pin triple or 57W (GX24q-5) or 70W (GX24q-6) 4-pin triple HO CFL lamps or three (3) 39W, 70W or 150W T6 CDM metal halide lamps or three (3) 150W T4 (DC Bay) clear linear halogen lamps. One (1) 40W (2GX13) T5 circular lamp (bowl illumination).

44" - Four (4) or eight (8) 27W, 39W, 40W, 50W or 55W (2G11) high lumen CFL lamps, four (4) 57W (GX24q-5) or 70W (GX24q-6) 4-pin triple HO CFL lamps or four (4) 70W or 150W T6 CDM metal halide lamps, or four (4) 150W T4 (DC Bay) clear linear halogen lamps. One (1) 40W (2GX13) T5 circular lamp (bowl illumination). CFL sockets injection molded plastic. Metal halide socket ceramic pulse-rated, 4KV. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.



1215 26" DOUBLE TRIM RING (2TR)

1215 36" DOUBLE TRIM RING (2TR)

1215 44" DOUBLE TRIM RING (2TR)

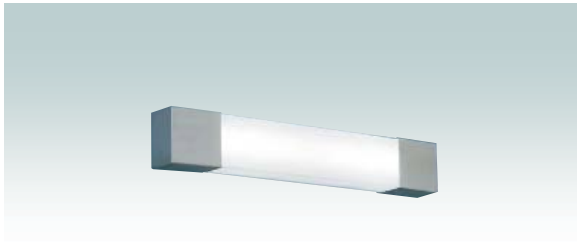
Ordering Information

SAMPLE NUMBER: 1215-2TR-26-CFL/3/27 + T5/1/22-120V-PC-DIM-28

Series	Size	Lamp	Lamp (Bowl)	Voltage	Finish	Pattern ⁵	Stem and Canopy Finish ⁵	Options	OA
Series 1215-2TR	26"	CFL/3/27 ^{1,2}	CFL/6/40 ²	120V	Standard - MW	COL = Coral	Standard - MW	1SAC	28" (OA) - 26" dia
Series 1215-TTR	36"	CFL/3/32 ^{1,2}	CFL/6/50 ²	277V	Premium - CC, NA, OBRS, PB ⁴ , PC ⁴ , PCP ⁴ , PN ⁴ , SAL, SB, SC, SCL, SCP, SN, SINL	SHL = Seashell	Standard - MW	3S	32" (OA) - 36" dia
	44"	CFL/3/39 ²	CFL/6/55 ²	T5/1/40 ³	Custom Decorative Metals Color CLR, CBT, SPE, SGE, BRS, CPR, BPL, SGN, CMP, CLE, IDO, RBE, PWR (must choose either a standard finish or custom metals color and pattern)	SMT = Smooth	Premium - CC, NA, OBRS, PB ⁴ , PC ⁴ , PCP ⁴ , PN ⁴ , SAL, SB, SC, SCP, SN	QP	42" (OA) - 44" dia
		CFL/3/40 ²	CFL/8/27 ³					SJCAC	Or Specify
		CFL/3/42 ²	CFL/8/39 ³					TP	
		CFL/3/50 ²	CFL/8/40 ³					D	
		CFL/3/55 ²	CFL/8/50 ³					DL	
		CFL/3/57 ²	CFL/8/55 ³					DM ⁶	
		CFL/3/70 ²	HAL/3/150 ^{1,2}					FF	
		CFL/4/27 ²	HAL/4/150 ¹					REM	
		CFL/4/39 ³	MH/3/39 ^{1,2}					SCA	
		CFL/4/40 ³	MH/3/70 ^{1,2}					SSW	
		CFL/4/50 ³	MH/3/150 ²					FB	
		CFL/4/55 ³	MH/4/70 ³						
		CFL/4/57 ³	MH/4/150 ³						
		CFL/4/70 ³							
		CFL/6/27 ^{1,2}							
		CFL/6/39 ²							

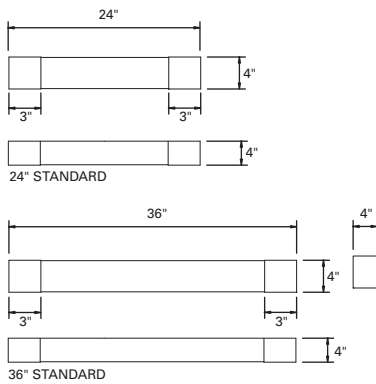
Notes:

- 1 Available in 26"
- 2 Available in 36"
- 3 Available in 44"
- 4 Available in 26" Only
- 5 Available with Custom Decorative Metal Finish only
- 6 Not available in 27W



600 Interior Wall

600 Luminous Square Vanity Luminaire. ADA compliant.



Material

Painted or plated cold-rolled steel, brass, copper or aluminum end caps and an aluminum body with an extruded matte white acrylic diffuser.

Installation

Supplied with a universal mounting back for a standard 3" plaster ring or switch-box. 36" Luminaire has additional mounting holes to ensure secure attachment. Horizontal or vertical mount.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

24": Two (2) 14W T5 linear fluorescent lamps.

36": Two (2) 21W T5 linear fluorescent lamps. Fluorescent socket injection molded plastic. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 600-36-T5/2/21-347V-PCP

Series	Size	Lamp	Voltage	Finish	Options
600=Luminous	24"	T5/2/14 ¹	120V	NA (standard),	DL
Square Vanity	36"	T5/2/21 ²	277V ⁴	CC, MW, PB, PC, PCP, PN,	DM ³
			347V ⁴	SAL, SB, SC, SCP, SCL, SN,	REM ⁴
				SNL, SSS	

Notes:

- 1 Available in 24"
- 2 Available in 36"
- 3 Consult the factory for available options
- 4 Supplied by others



601 Interior Wall

Interior Wall Luminaire Mirror Luminaire with Integral Lamps.

Material

Solid extruded aluminum lamp housing with an extruded prismatic acrylic lense and matte white diffuser. Formed aluminum cross bracing and mounting structure. Mirror by others.

Installation

Housing: Supplied with four (4) 1/4" bolt holes for secure installation. Provided with a universal circle strap for standard J-Box. Mirror (supplied by others) slides into groove for secure assembly. Mirror: Refer to shaperlighting.com for drawings for the slide-in mirror dimensions, provided by others.

Ballast

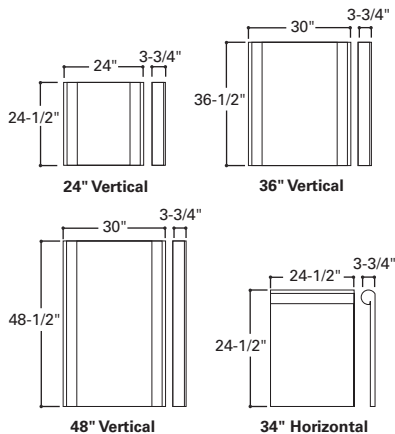
Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

Horizontal Lamp Orientation. 34": One (1) 17W T8 linear fluorescent lamp Contact the factory for incandescent lamping.

Finish and Options

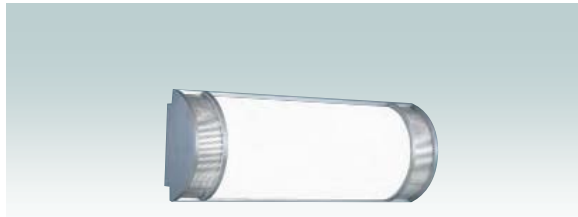
See pages 77-80 for finish details and options.



Ordering Information

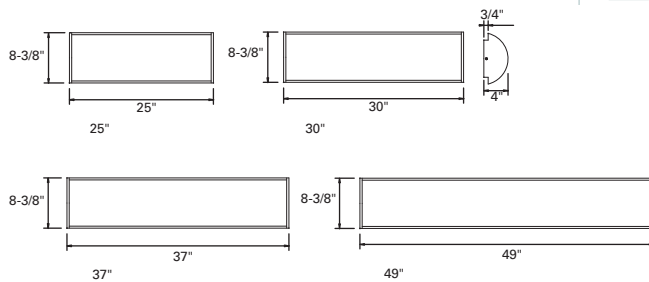
SAMPLE NUMBER: 601-H-34-T8/1/17-120V-OBRS

Series	Dimension	Lamp	Voltage	Finish	Options
601-H	Vertical	Vertical	120V	NA, SAL, MW,	DL, SH4,
601-V	24" (24" Ht x 24" W)	T8/2/17 (24")	277V	SB, PB, PC,	SH6
	36" (36" Ht x 30" W)	T8/2/25 (36")	347V	SC, SCP, PCP,	
	48" (48" Ht x 30" W)	T8/2/32 (48")		SN, PN, SCL,	
	Horizontal	Horizontal		SNL, OBRS or	
	34" (34" Ht x 24" W)	T8/1/17		CC	



605 Interior Wall

605 Luminous Wall Sconce features a variety of decorative options such as perforated metal, colored acrylic trim bars and is ADA compliant.



Material

Painted or plated solid aluminum with a 1/8" matte white extruded acrylic panel.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring. Horizontal or vertical mount.

Ballast

Integral Electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

25": Two (2) 14W T-5 liner fluorescent lamps.
30": Two (2) 40W (2G11) high lumen CFL lamps.
37": Two (2) 21W T-5 or 25W T-8 linear fluorescent lamps.
49": Two (2) 28W T-5 or 32W T-8 linear fluorescent lamps. CFL socket injection molded plastic. Lamps furnished by others.

Finish and Options

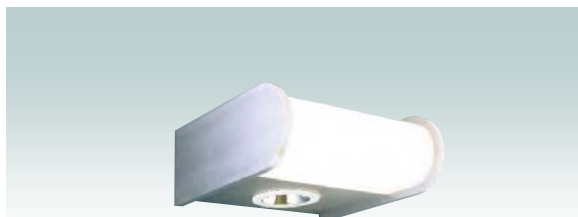
See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 605-24-T5/2/14-347V-PCP

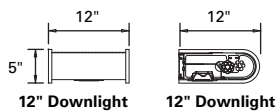
Series	Size	Lamp	Voltage	Finish	Options
605=Luminous Sconce	25"	CFL/2/40 ²	120V	NA (standard),	2HTB,
	30"	T5/2/14 ¹	277V	CC, MW, OBRS, PB, PC,	2HTB/2CTVB,
	37"	T5/2/21 ³	347V	PCP, PN, SAL, SB, SC,	2HTB/CBC,
	49"	T5/2/28 ¹		SCP, SCL, SN, SNL	2HTB/PC,
		T8/2/25 ³			2VTB,
		T8/2/32 ⁴			2VTB/CBP,
					2VTB/PE,
					DL, DM ⁵ , IEM, FP

Notes:
1 Available in 24"
2 Available in 30"
3 Available in 37"
4 Available in 49"
5 Consult the factory for available options



609 Interior Wall Luminaire

609 Luminous Vanity Sconce with a MR-16 Downlight. Indirect and direct illumination. Downlight can be switched separately.



Material

Solid aluminum with a matte white formed acrylic panel. Semi-open top. 12" has one (1) Halo 3" adjustable reflector with a cast aluminum white trim ring and specular clear reflector. Each trim includes a soft focus cover glass lense. 35° vertical adjustment and 360° rotation.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring with additional mounting holes. Refer to the specification sheet for additional drawings.

Ballast

Integral Electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

Contact factory for INC uplight.
12": Two (2) 32W (G24q-3) 4-pin triple CFL lamps and one (1) 50W MR-16 12V incandescent lamp. Fluorescent socket injection molded plastic. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

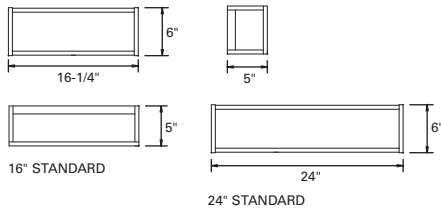
SAMPLE NUMBER: 609-D-37-T5/1/21-OBRS-FP

Series	Length	Lamp	Voltage	Finish	Options
609	12"	CFL/2/32	120V	MW, NA, SAL,	FP, REM,
			277V	SC, PC, SB, PB,	DM, DL
			347V	SCP, PCP, SN,	
				PN, OBRS, SCL,	
				SNL or CC	



607 Interior Wall

607 Luminous Wall Sconce features a classic "craftsman" style which provides forward, direct and indirect illumination.



Material

Solid brass (PB, SB, SC or PC finishes) with 1/8" matte acrylic panels.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring. Mounting centered on the back of the luminaire. For vertical or horizontal mount.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

16": Two (2) 13W (2GX7) 4-pin low watt CFL lamps or two (2) 60W A-19 lamps.

24": Two (2) 26W (GX24q-3) 4-pin quad CFL lamps or three (3) 60W A-19 lamps. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

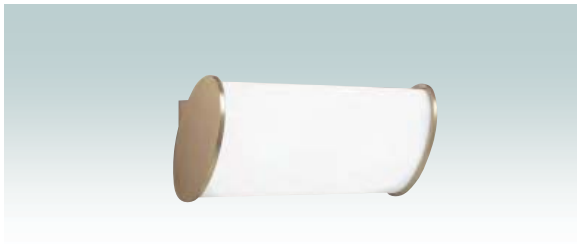
Ordering Information

SAMPLE NUMBER: 607-24-CFL/2/26-347V-OBRS

Series	Size	Lamp	Voltage	Finish	Options
607 =Craftsman	16"	CFL/2/13 ¹	120V	MW (standard),	DL
Vanity	24"	CFL/2/26 ²	277V ³	CC, OBRS, PB, PC, PCP, PN,	DM ⁴
		INC/2/60 ¹	347V ²	SB, SC, SCL, SCP, SN, SNL	OG
		INC/3/60 ²			REM ⁵
					FP
					MP ⁶
					PP

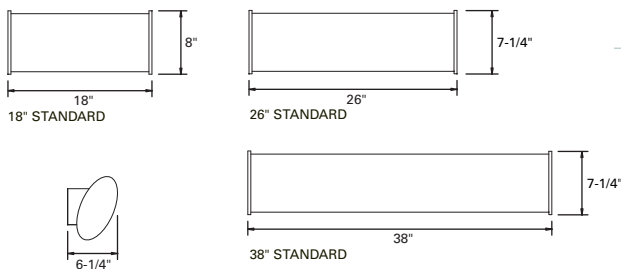
Notes:

- 1 Available in 16"
- 2 Available in 24"
- 3 Available with CFL only
- 4 Consult the factory for available options
- 5 Supplied by others
- 6 Recommended for side and front panels only



608 Interior Wall

608 Angled Luminous Wall Sconce features a streamlined geometric design with soft, uniform illumination.



Material

Painted or plated solid aluminum with a 1/8" matte white frosted acrylic diffuser.

Installation

Supplied with a mounting back for a standard 4" J-box or plaster ring. The 26" and 38" luminaires are provided with extra mounting holes to provide secure attachment to the wall.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

18": Two (2) 27W (2G11) high lumen CFL lamps or two (2) 60W A-19 lamps. 26": Two (2) 14W mini bi-pin linear fluorescent T-5 lamps or three (3) 60W A-19 lamps. 38": Two (2) 21W mini bi-pin linear T-5 lamps, two (2) 25W bi-pin linear fluorescent T8 lamps or four (4) 60W A-19 lamps. CFL socket injection molded plastic. INC socket fired ceramic rated for 660-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 608-26-INC/3/60-120V-OBRS

Series	Size	Lamp	Voltage	Finish	Options
608= Angled	18"	T5/2/14 ²	120V	MW (standard),	DL
Luminous	26"	T5/2/21 ³	277V ⁴	CC, OBRS, PB, PC, PCP,	IEM ^{2,3}
Sconce	38"	T8/2/25 ³	347V ⁴	PN, SAL, SB, SC, SCL,	REM ^{1,4}
		CFL/2/27 ¹		SCP, SN, SNL	
		INC/2/60 ¹			
		INC/3/60 ²			
		INC/4/60 ³			

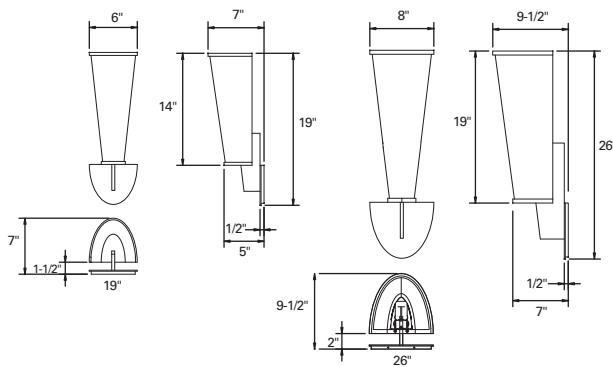
Notes:

- 1 Available in 18"
- 2 Available in 26"
- 3 Available in 38"
- 4 Available with CFL only
- 5 Supplied by others



611 Interior Wall

611 Tapered Flute is available in two sizes.



Material

Solid aluminum with a formed matte white acrylic diffuser.

Installation

Supplied with a universal mounting plate for a standard 4" J-box or plaster ring.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

19": One (1) 27W (2GI I) 4-pin high lumen CFL lamp or one (1) 60W frosted T-10 lamps.

26": One (1) 39W (2GI I) 4-pin high lumen CFL lamp or one (1) 60W frosted T-10 lamps.

CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 611-26-CFL/1/39-347V-PCP

Series	Size	Lamp	Voltage	Finish	Options
611=Tapered Flute	19"	CFL/1/27 ¹	120V	NA (standard),	DL
	26"	CFL/1/39 ² INC/1/60	277V ³ 347V ³	CC, MB, MW, PB, PC, PCP, PN, SAL, SB, SC, SCL, SCP, SN, SNL	DM ^{4,5} REM ⁴ FD

Notes:

- 1 Available in 19"
- 2 Available in 26"
- 3 Available with CFL only
- 4 Not available in 27W
- 5 Consult the factory for available options
- 6 Supplied by others



612 Interior Wall

612-LB features a Luminous Bowl and the 612-SM features a Solid Bowl with an arm mount bracket.

Material

Painted or plated cold-rolled steel base metal. Matte white acrylic bowl (612-LB). Optional hexcel louver: Natural aluminum, solid brass, stainless steel or painted steel trim ring.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage

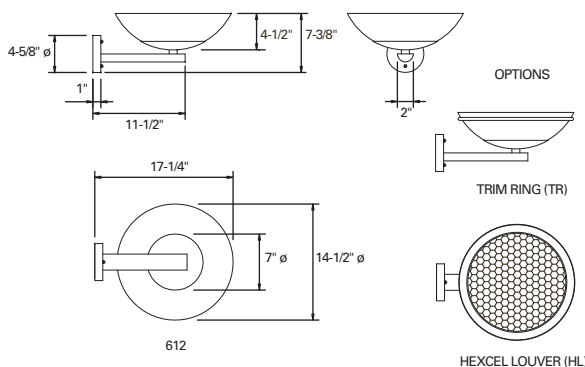
Lamp/Socket

Two (2) 13W (2GX7) 4-pin low wattage CFL lamps, two (2) 26W (G24q-3) 4-pin quad CFL lamps, two (2) 60W A-19 lamps or one (1) 300W T3-RSC double-ended linear halogen lamp (612-SM only). CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V.

Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.



Ordering Information

SAMPLE NUMBER: 612-SM-CFL/2/13-347V-PCP

Series	Lamp	Voltage	Finish	Options
612-LB=Luminous Bowl w/ Arm Mount Bracket	CFL/2/13	120V	MB, MW (standard),	DL
	CFL/2/26	277V ²	CC, OBRs, PB, PC,	DM ^{3,4}
612-SM=Solid Bowl w/ Arm Mount Bracket	INC/2/60	347V ²	PCP, PN, SB, SC,	REM ⁵
	HAL/1/300 ¹		SCL, SCP, SN, SNL	FB ⁶ HL TR

Notes:

- 1 612-SM only
- 2 Available with CFL only
- 3 Not available in 13W
- 4 Consult the factory for available options
- 5 Supplied by others
- 6 Luminous Bowl only



622 Interior Wall

622 Arm Mount Luminous Cylinder features Three Accent Trim Bars.

Material

Solid brass or aluminum housing and decorative trim. Matte white acrylic 4" dia. luminous cylinder.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Ballast

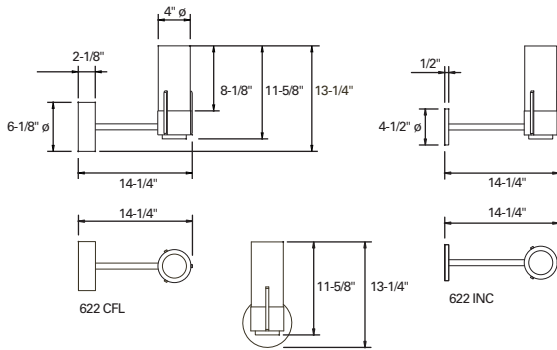
Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

One (1) 18W (G24q-2) or 26W (G24q-3) 4-pin quad CFL lamp or one (1) 40W A-19 lamp. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.



Ordering Information

SAMPLE NUMBER: 622-CFL/1/18-347V-PCP

Series	Lamp	Voltage	Finish	Options
622=Arm Mount Luminous Cylinder	CFL/1/18 CFL/1/26 INC/1/40	120V 277V ¹ 347V ¹	NA (standard), CC, MW, OBRS, PB, PC, PCP, PN, SAL, SB, SC, SCL, SCP, SN, SNL	DL DM ² REM ³ FC

- Notes:
- 1 Available with CFL only
 - 2 Consult the factory for available options
 - 3 Supplied by others



624 & 624/4 Interior Wall

624 Wall Bracket features a clean modern shape with direct/indirect illumination. The 624/4 is ADA compliant.

Material

Solid brass or aluminum housing and decorative trim. Matte white acrylic 4" dia. luminous cylinder. Optional frosted white acrylic bottom lense or white aluminum cube cell top louver.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Ballast

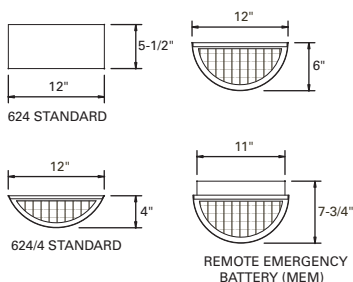
Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

624: Two (2) 13W (2GX7) 4-pin low wattage CFL or 26W (G24q-3) 4-pin quad CFL lamps, or one (1) 75W A-19 lamp. 624/4: One (1) 13W (2GX7) 4-pin low wattage CFL or 26W (G24q-3) 4-pin quad CFL lamp, or one (1) 75W A-19 lamp. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.



Ordering Information

SAMPLE NUMBER: 624-CFL/2/13-347V-PCP

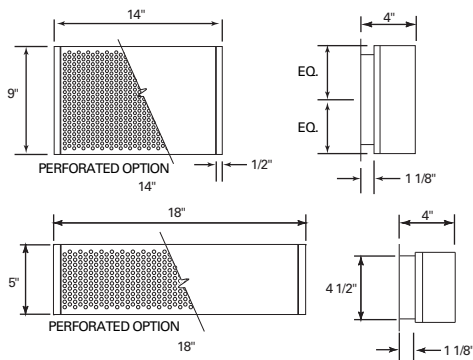
Series	Lamp	Voltage	Finish	Options
624=Wall Bracket	CFL/1/13 ¹	120V	MW (standard),	BLN
624/4=ADA Compliant Wall Bracket	CFL/1/26 ¹ CFL/2/13 ² CFL/2/26 ² INC/1/75	277V ² 347V ²	CC, PB, PC, PCP, PN, RSS, SB, SC, SCL, SCP, SN, SNL	CL DL DM ⁴ MEM REM

- Notes:
- 1 Available with 624/4 Series
 - 2 Available with 624 Series
 - 3 Available with CFL only
 - 4 Consult the factory for available options



635 Interior Wall

635 features a Luminous Shield, Perforated Shield or a Blue Punch Pattern Shield. ADA compliant.



Material

Solid aluminum construction. Extruded matte white acrylic lense.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

14": Two (2) 13W (2GX7) 4-pin low wattage CFL or one (1) or two (2) 26W (G24q-3) 4-pin quad tube CFL lamps, or one (1) 60W frosted T-10 lamp. **18"**: One (1) 27W (2611) high lumen CFL lamp. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 635-PSH-14-CFL/2/13-347V-SN

Series	Shield	Size	Lamp	Voltage	Finish	Options
635=Wall Shield	LS=Luminous Shield	14"	CFL/1/26 ¹	120V	NA (standard),	DL
	PSH=Perforated Shield	18"	CFL/1/27 ²	277V ³	CC, MW,	DM ^{3*}
	PPSW= White Punch Pattern Shield		CFL/2/13 ³	347V ³	OBRS, PB ⁴ ,	MEM
			CFL/2/26 ⁶		PCP ⁵ , PN ⁴ ,	FSH ⁷
			INC/1/60 ¹		SAL, SB, SCP,	PPSB
					SN, SNL	

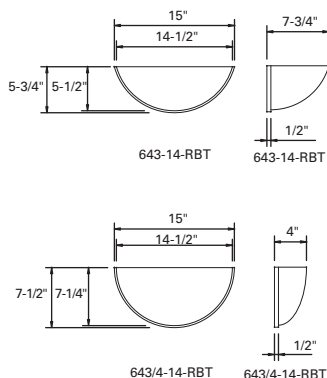
Notes:

- 1 Available in 14"
- 2 Available in 18"
- 3 Available with CFL only
- 4 Not available with Perf Shield (PSH)
- 5 Consult the factory for available options
- 6 26W Only
- 7 Luminous Shield only



643 & 643/4 Interior Wall

643 Luminous Quarter Sphere Wall Sconce features three Back Trim options. 643/4 is ADA compliant.



Material

Painted or plated cold rolled steel back plate with a 1/8" thick matte white acrylic bowl. 1/4" Reduced Back Trim (RBT) or 3/4" Standard Back Trim (SBT) or Large Back Trim (LBT) in painted or plated cold-rolled steel base metal.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

643: Two (2) 13W (2GX7) 4-pin low wattage CFL lamps, two (2) 26W (G24q-3) 4-pin quad CFL lamps or one (1) 75W A-19 lamp.

643/4-14": One (1) 13W (2GX7) 4-pin low wattage CFL lamp.

643/4-18": Two (2) 13W (2GX7) 4-pin low wattage CFL lamps or one (1) 60W T-10 lamp. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 643-14-SBT-CFL/2/26-347V-SCL

Series	Style	Voltage	Options
643=Luminous Quarter Sphere Wall	LBT=Large Back Trim ²	120V	2TRB
643/4=ADA Compliant Luminous Quarter Sphere	RBT=1/4" Reduced Back Trim	277V ³	TR
	SBT=3/4" Standard Back Trim	347V ³	DL
			MEM ²
			REM ^{1*}
			FD
			HL

Size

14"
18"

Lamp

CFL/1/13¹
CFL/2/13¹
CFL/2/26²
INC/1/60¹
INC/1/75²

Finish

MW (standard),
CC, PB, PC, PCP,
PN, SB, SC, SCL,
SCP, SN, SNL

Notes:

- 1 Available with 643/4 Series
- 2 Available with 643 Series
- 3 Available in 14"
- 4 Available in 18"
- 5 Available with CFL only
- 6 Supplied by others



658 Interior Wall

M658 features a luminous shield with a modern die-cast base and is ADA compliant.

Material

Painted or plated solid die-cast aluminum with a 1/8" matte white acrylic shield.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

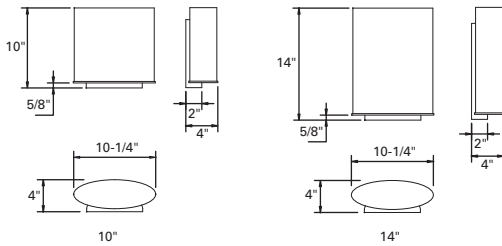
Lamp/Socket

10": Two (2) 13W (GX7) low voltage CFL, two (2) 26W (G24q-3) 4-pin quad CFL lamps or two (2) 40W frosted T-10 lamps.

14": Two (2) 27W (2GI 1) high lumen CFL lamps. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

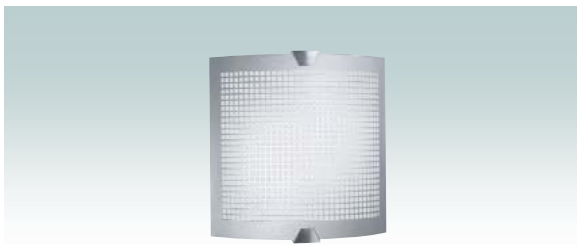


Ordering Information

SAMPLE NUMBER: 658-14-CFL/2/27-347V-PCP

Series	Size	Lamp	Voltage	Finish	Options
658=Luminous Shield	10"	CFL/2/13 ¹	120V	MW (standard),	DL
	14"	CFL/2/26 ¹	277V ³	CC, PB, PC, PCP,	REM ⁴
		CFL/2/27 ²	347V ³	PN, SAL, SB, SC, SCL, SCP, SN, SNL	FD

Notes:
 1 Available in 10"
 2 Available in 14"
 3 Available with CFL only
 4 Supplied by others



662 Interior Wall

662 features a curved luminous shield. ADA compliant.

Material

Painted white aluminum back plate. Plated or painted die-cast aluminum trim bars. Matte white sanded acrylic shield. Optional sanded plate glass, "green glass" matte acrylic, acrylic top and bottom covers and square (3/8" O.C.) perforated aluminum with matte white acrylic liner.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

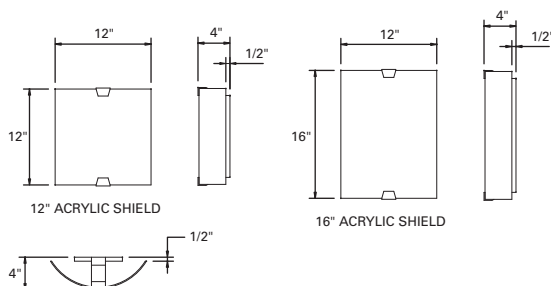
Lamp/Socket

12": Two (2) 13W (2GX7) 4-pin low wattage CFL lamps or two (2) 26W (G24q-3) 4-pin quad CFL lamps or two (2) 60W frosted T-10 lamps.

16": Two (2) 27W (2GI 1) high lumen CFL lamps. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.



Ordering Information

SAMPLE NUMBER: 662-12-CFL/2/13-347V-PCP

Series	Size	Lamp	Voltage	Finish	Options
662=Luminous Curved Shield	12"	CFL/2/13 ¹	120V	MW (standard),	ATBC
	16"	CFL/2/26 ¹	277V ³	CC, PB, PC, PCP, PN, SAL, SB, SC, SCL, SCP, SN, SNL	PTBC
		CFL/2/27 ²	347V ³		DL

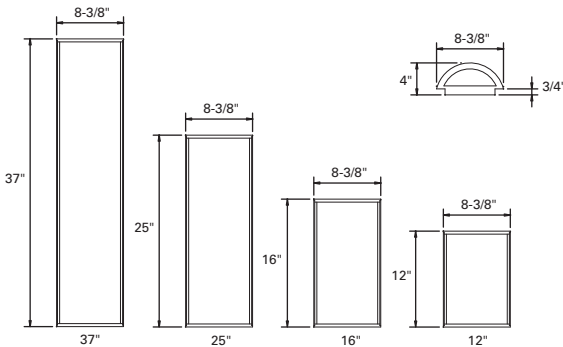
Notes:
 1 Available in 12"
 2 Available in 16"
 3 Available with CFL only
 4 Consult the factory for available options

DM⁴
 GGA
 MEM
 PSH
 FD
 GL



673 Interior Wall

673 luminous Half Cylinder features a variety of decorative options such as perforated metal, colored acrylic, trim bars and is ADA compliant.



Material

Painted or plated solid aluminum with a 1/8" matte white extruded acrylic panel.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

12": One (1) or two (2) 18W (2G11) 4-pin high lumen CFL lamps or one (1) 60W frosted T-10 lamp.

16": Two (2) 27W (2G11) 4-pin high lumen CFL lamps or two (2) 60W frosted T-10 lamps.

25": One (1) or two (2) 14W T5 linear fluorescent lamps.

37": One (1) or two (2) 21W T5 linear fluorescent lamps. CFL lamps or two (2) 60W Frosted T-10 lamps. CFL socket injection molded plastic. Lamps furnished by others.

Finish and Options

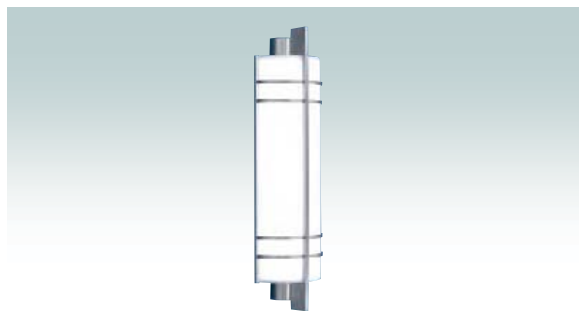
See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 673-25-T5/2/14-347V-PCP

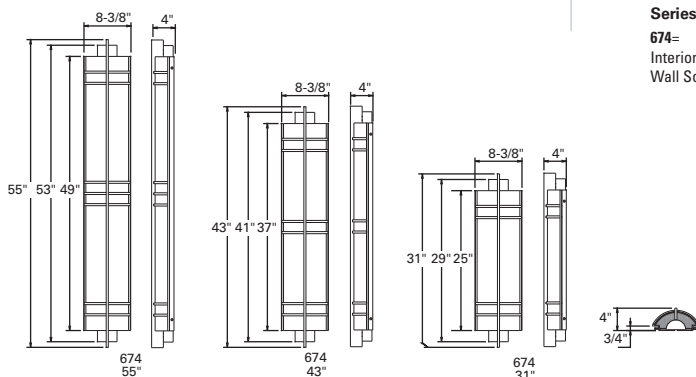
Series	Size	Lamp	Voltage	Finish	Options
673=Luminous	12"	CFL/1/18 ¹	120V	NA (standard),	2HTB DL
Half Cylinder	16"	CFL/2/18 ¹	277V ⁵	CC, MW, OBRS,	2HTB/1PVTB DM ²
	25"	CFL/2/27 ²	347V ⁵	PB, PC, PCP, PN,	2HTB/2VTB IEM ^{3,4}
	37"	INC/1/60 ¹		SAL, SB, SCP, SN,	2HTB/2VTB/PC REM ^{1,7}
		INC/2/60 ²		SNL	2PVTB FD
		T5/1/14 ³			2VTB TBC
		T5/1/21 ⁴			2VTB/4WTB
		T5/2/14 ³			2VTB/PS
		T5/2/21 ⁴			3HTB/1VTB/P
					ACB

Notes:
 1 Available in 12"
 2 Available in 16"
 3 Available in 24"
 4 Available in 37"
 5 Available with CFL only
 6 Consult the factory for available options
 7 Supplied by others



674 Interior Wall

674 Luminous Wall Sconce features horizontal trim bars with a vertical fin detail and is ADA compliant. Design options, such as perforated metal, colored acrylic, and different trim bar configurations are available.



Material

Painted, natural or plated solid aluminum with a 1/8" matte white acrylic panel. Open top and bottom with a regressed aluminum perf shield.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

31": Two (2) 14W T5 linear miniature bi-pin fluorescent lamps.

43": Two (2) 21W T5 linear miniature bi-pin fluorescent lamps.

55": Two (2) 28W T5 linear miniature bi-pin fluorescent lamps.

Fluorescent socket injection molded plastic. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 674-55-T5/2/28-347V-OBRS

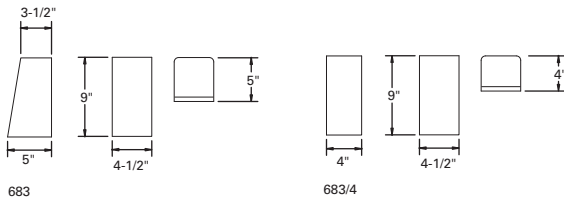
Series	Size	Lamp	Voltage	Finish	Options
674=	31"	T5/2/14 ¹	120V	BK, BM, CC, DP, GM,	DL
Interior Luminous	43"	T5/2/21 ²	277V	GRM, GY, MW, NA,	GGA
Wall Sconce	55"	T5/2/28 ³	347V	OBRS, PB, PCP, PN,	IEM ^{2,3}
				SAL, SB, SCP, SM, SN,	REM ⁴
				SNL, WH	FD

Notes:
 1 Available in 31"
 2 Available in 43"
 3 Available in 55"
 4 Supplied by others



683 & 683/4 Interior Wall

683 Direct/Indirect Economical Wall Sconce features an aluminum cylinder. 683/4 is ADA compliant.



683

683/4

Material

Painted, natural or plated solid aluminum with a 1/8" matte white acrylic panel. Open top and bottom with a regressed aluminum perf shield.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

One (1) 13W (G24q-1) 4-pin quad CFL lamp, one (1) 26W (GX24q-3) triple tube CFL lamp or one (1) 60W A-19 lamp. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

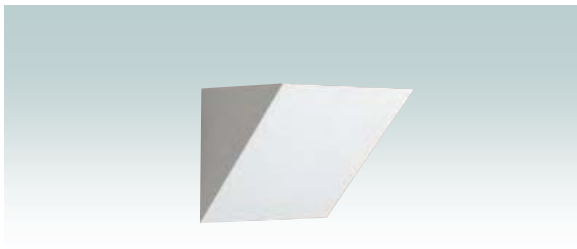
Ordering Information

SAMPLE NUMBER: 683/4-CFL/1/26-347V-BK

Series	Lamp	Voltage	Finish	Options
683=Wall Sconce	CFL/1/13	120V	NA (Interior standard),	DL
683/4=ADA Compliant	CFL/1/26	277V ¹	CC, MW (Interior premium)	REM ²
Wall Sconce	INC/1/60	347V ¹	WH, BK, BM, CC, DP, GM, GRM, GY, SM	

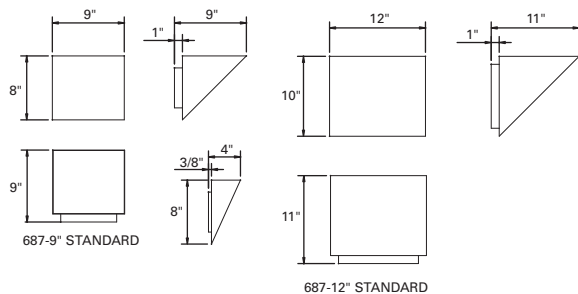
Notes:

- 1 Available with CFL only
- 2 Supplied by others



687 Interior Wall

687 features classic Geometric Wedge shape with indirect illumination. The 687-4 features similar geometry and is ADA compliant.



687-9" STANDARD

687-12" STANDARD

Material

Painted or plated cold-rolled steel base metal. Optional aluminum cube cell louver, white.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Ballast

Integral Electronic HPF multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage. Metal Halide Ballast are HPF core and coil type, multi-volt 120/277V for the specified wattage. Contact factory for 347V.

Lamp/Socket

687 - 9": One (1) 26W or 32W (GX24q-3) 4-pin triple CFL lamp or one (1) 75W A-19 lamp. **687/4 - 9":** One (1) 13W (2GX7) 4-pin low wattage CFL lamp, one (1) 26W (G24q-3) 4-pin quad CFL lamp or one (1) 75W A-19 lamp. **687 - 12":** Two (2) 26W or 32W (GX24q-3) 4-pin triple CFL lamps, two (2) 75W A-19 lamps, one (1) 300W double-ended T-3 halogen lamp or one (1) 50W, 70W or 100W ED-17 metal halide (open burn) lamp. **687/4 - 12":** Two (2) 26W (G24q-3) quad CFL lamps or two (2) 75W A-19 lamps. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

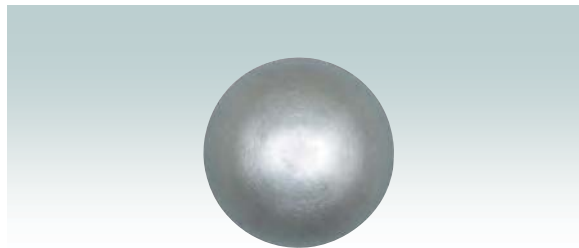
Ordering Information

SAMPLE NUMBER: 687-12-HAL/1/300-120V-OBRS

Series	Size	Lamp	Voltage	Finish	Options
687 =	9"	CFL/1/13 ^{1, 2}	120V	MB, MW (standard),	BPP
Geometric	12"	CFL/1/26 ^{1, 3, 2}	277V ⁵	CC, OBRS, OBZ, PB, PC,	GPP
Wedge		CFL/1/32 ^{1, 3}	347V ⁶	PCP, PN, SAL, SB, SC, SCL,	RPP
687/4 =		CFL/2/26 ^{2, 3, 4}		SCP, SN, SNL	WPP
Geometric		CFL/2/32 ^{2, 4}			YPP
Wedge		INC/1/75 ^{1, 2, 3}			CL
		INC/2/75 ^{2, 3, 4}			DL
		HAL/1/300 ^{1, 4}			MEM ^{1, 4}
		MH/1/50 ^{3, 4}			QR ^{1, 4}
		MH/1/70 ^{3, 4}			REM
		MH/1/100 ^{3, 4}			TGL ¹

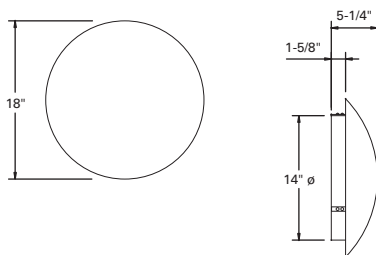
Notes:

- 1 Available in 9"
- 2 Available with 687/4 Series
- 3 Available with 687 Series
- 4 Available in 12"
- 5 CFL and MH only
- 6 Available with CFL only
- 7 MH only



691 Interior Wall

691 features a Floating Silhouette Dome.



Material

Painted or plated cold-rolled steel base metal.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Ballast

Integral electronic HPF multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate 13W, 26W, or 32W lamps.

Lamp/Socket

Two (2) 13W (2GX7) 4-pin low wattage CFL, two (2) 26W or 32W (GX24q-3) 4-pin triple CFL lamps or two (2) 75W A-19 lamps. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 691-CFL/2/32-347V-PC

Series	Lamp	Voltage	Finish	Options
691 =Floating Silhouette Dome	CFL/2/26	120V	MW (standard),	DL
	CFL/2/32	277V ¹	CC, PB, PC, PCP, PN, SB,	PFD
	CFL/2/13	347V ¹	SC, SCL, SCP, SN, SNL	REM ²
	INC/2/75			

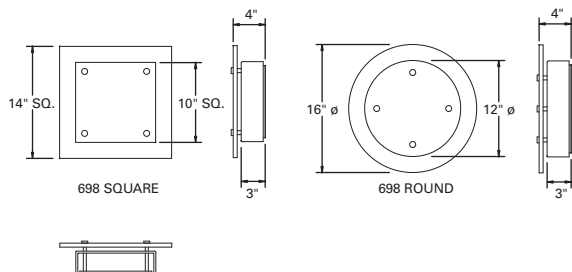
Notes:

- 1 Available with CFL only
- 2 Supplied by others



698 Interior Wall

The ADA compliant 698 Medallion Wall Luminaire features soft omni-directional illumination.



Material

Pre-painted white aluminum mounting pan with a matte white acrylic diffuser and clear acrylic round or square panel with frosted center. Optional frame is cold rolled steel, brass, aluminum, or bronze.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

Two (2) 13W (2GX7) 4-pin low wattage CFL lamps, two (2) 26W (G24q-3) 4-pin quad CFL lamps or two (2) 40W T-10 lamps. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 698-RD-CFL/2/13-347V-PCP

Series	Style	Lamp	Voltage	Finish	Options
698=Luminous Medallion	RD=Round	CFL/2/13	120V	MB, MW (standard),	AE DM ³
	SQ=Square	CFL/2/26	277V ¹	CC, OBRS, PB, PC, PCP,	EO ² GGA
		INC/2/40	347V ¹	PN, SAL, SB, SC, SCL,	GL F
				SCP, SN, SNL	MO ² REM ⁴

Note:

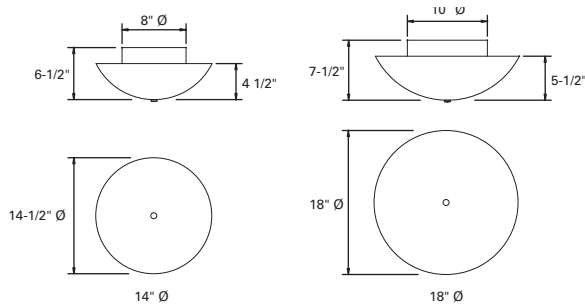
- 1 Available with CFL only
- 2 Evo and Mezzo are two examples of a new material from 3Form®, referred to as ECO Resin panels and are just two of the hundreds of the options available. Consult the factory
- 3 Consult the factory for available options
- 4 Supplied by others

PCH TBC
QZ
VRD
DL



210 Interior Surface

210 Luminous Bowl features trim options and is available in two sizes.



Material

Cold rolled steel mounting pan with a matte white acrylic bowl. Optional Caming Trim.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

14": Two (2) 13W (2GX7) 4-pin low wattage CFL lamps or two (2) 60W A-19 lamps. **18"**: Two (2) 26W or 32W (GX24q-3) 4-pin triple CFL lamps or two (2) 75W A-19 lamps. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 210-18-INC/2/75-120V-PC

Series	Size	Lamp	Voltage	Finish	Options
210=Bowl Surface Luminaire	14"	CFL/2/26 ¹	120V	MW (standard), CC, OBRS, PB, PC,	CT
	18"	CFL/2/32 ¹	277V ²	PCP, SB, SC, SCP, SN, SNL	DL
		CFL/2/13 ³	347V ²		DM ⁴
		INC/2/60 ³			MEM
		INC/2/75 ³			DF2B
					SFCT
					SFTR
					TF
					FB

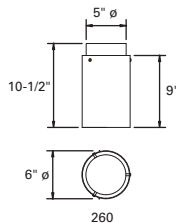
Notes:

- 1 Available in 18"
- 2 Available in 14"
- 3 Available with CFL only
- 4 Consult the factory for available options



260-A Interior Surface

260-A Luminous Cylinder features a direct downlight component.



Material

Solid aluminum with a matte white acrylic cylinder.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

One (1) 18W (GX24q-2) or 26W (GX24q-3) 4-pin triple CFL lamp or 75W A-19 lamp. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 260-A-CFL/1/18-347V-CAL

Series	Lamp	Voltage	Finish	Options
260-A = Cylinder Surface	CFL/1/18	120V	NA (standard), CAL, CC, MW, SAL	DL
	CFL/1/26	277V ¹		REM ²
	INC/1/75	347V ¹		PFB

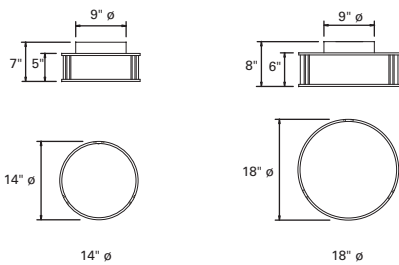
Notes:

- 1 Available with CFL only
- 2 Supplied by others



273 Interior Surface

273 Architectural Luminous Drum features trim bars and is available in two sizes.



Material

Painted cold rolled steel mounting pan and painted aluminum or brass trim with a matte white acrylic diffuser.

Installation

Supplied with a universal circular strap for a standard 4" J-box or plaster ring.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

14": Two (2) 13W (2GX7) 4-pin low wattage CFL lamps or two (2) 26W (GX24q-3) 4-pin triple CFL lamps or two (2) 60W A-19 lamps.

18": Two (2) 26W (GX24q-3) 4-pin triple CFL lamps or two (2) 75W A-19 lamps. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

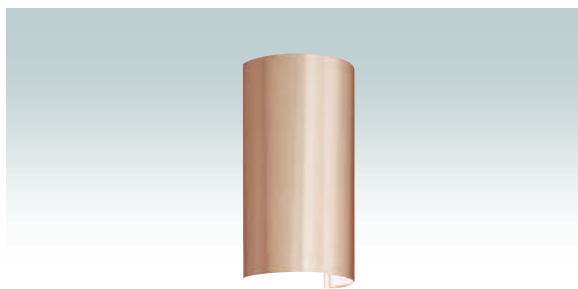
Ordering Information

SAMPLE NUMBER: 273-14-CFL/2/26-120V-SAL

Series	Size	Lamp	Voltage	Finish	Options
273-Architectural Drum Surface	14"	CFL/2/13 ¹	120V	MW, NA (standard),	CBI
	18"	CFL/2/26	277V ²	CC, OBRS, PAL, PB,	DL
		INC/2/60 ¹	347V ³	SAL, SB	DM ⁴
		INC/2/75 ²			MEM
					PF
					CTB
					FS

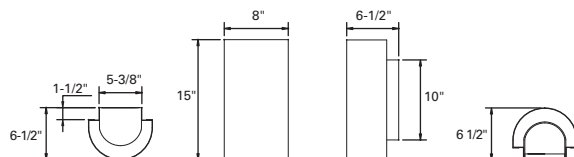
Notes:

- 1 Available in 14"
- 2 Available in 18"
- 3 Available with CFL only
- 4 Consult the factory for available options



676-WP Exterior Wall

676-WP Floating Curved Shield Wall Sconce features bronze construction with a fully enclosed lamp compartment.



Material

Solid bronze with open top, sides and bottom.

Installation

Supplied with a universal circular strap for a standard 4" J-box or stucco ring.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

One (1) 26W (G24q-3) quad CFL or 32W (GX24q-3) triple CFL lamp or one (1) 60W A-19 lamp. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

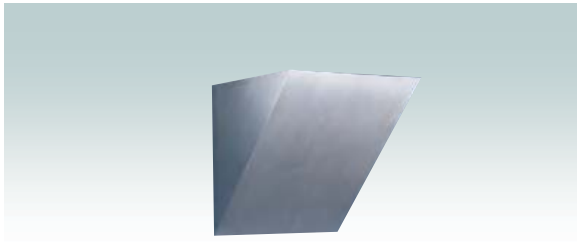
Ordering Information

SAMPLE NUMBER: 676-WP-CFL/1/26-277V-GM

Series	Lamp	Voltage	Finish ^{2,3}	Options
676-WP -Floating Curved Shield	CFL/1/26	120V	NBZ (standard),	ACB
	CFL/1/32	277V ¹	BK, BM, CC, DP,	FCT
	INC/1/60	347V ¹	GM, GRM, GY, SCL, SM, SNL, VG, WH	

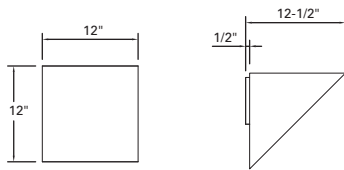
Notes:

- 1 Available with CFL only
- 2 Premium TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear
- 3 Bronze will weather to a dark bronze patina



687-WP Exterior Wall

687-WP Classic Geometric Wedge shape with indirect illumination.



Material

Painted aluminum or solid bronze. Internal lamp assembly is cast aluminum. Clear acrylic lense (CFL) or clear tempered glass lense (INC & MH).

Installation

Supplied with a mounting back for a standard 4" J-box or stucco ring. Optional rear (through wall) feed conduit mounting. Surface mount conduit power feed Contact factory.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate 26W, 32W or 42W lamps. Integral metal halide ballast is electronic HPF multi-volt 120/277V for the specified lamp wattage. 347V ballast for metal halide - Contact factory.

Lamp/Socket

One (1) 26W, 32W (GX24q-3) or 42W (GX24q-4) 4-pin triple tube CFL lamp, one (1) 50W, 70W or 100W ED-17 metal halide lamp or one (1) 150W A-19 lamp. CFL socket injection molded plastic. Metal halide socket is ceramic pulse-rated, 4KV. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 687-WP-MH/1/70-277V-GM

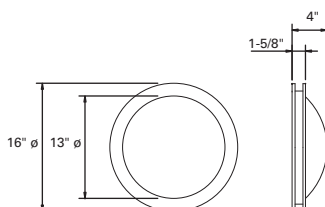
Series	Size	Lamp	Voltage	Finish ³	Options
687-WP =	9"	CFL/1	120V	NBZ (standard),	C
Classic Geometric	12"	(26/32/42W-Triple)	277V ¹	BK, BM, CC, DP, GM, GRM,	
Wedge		CFL/1/13	347V ²	GY, SCL, SM, SNL, VG, WH	
		CFL/2/26			
		INC/1/150			
		MH/1/50			
		MH/1/70			
		MH/1/100			

Notes:
1 CFL and MH only
2 Available with CFL only
3 Premium TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear
4 Bronze will weather to a dark bronze patina



693-WP Exterior Wall

693-WP Medallion Ring features a floating ring with a luminous bowl and is ADA compliant.



Material

Painted aluminum or solid bronze with a matte white acrylic lense.

Installation

Supplied with a universal circular strap for a standard 4" J-box or stucco ring.

Ballast

Integral electronic HPF, multi-volt 120/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate the specified lamp wattage.

Lamp/Socket

One (1) 22W or 40W (2GX13) T5 circular fluorescent lamp or two (2) 40W A-19 lamps. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Lamps furnished by others.

Finish and Options

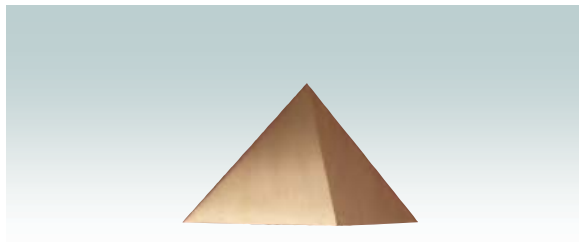
See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 693-WP-T5C/140-277V-OBZ

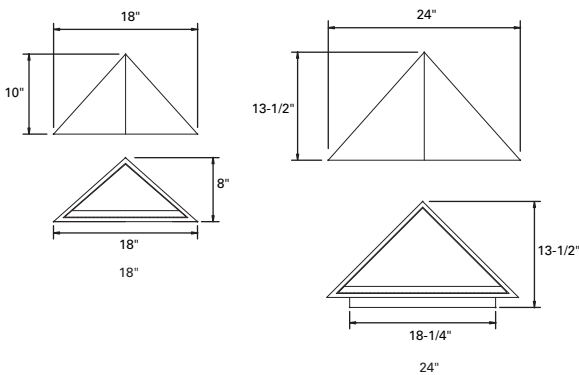
Series	Lamp	Voltage	Finish ²	Options
693-WP =	T5C/1/22	120V	NBZ (standard),	1PHTB/1PVTB
Medallion Ring	T5C/1/40	277V ¹	BK, BM, CC, DP,	
	INC/2/40	347V ¹	GM, GRM, GY, OBZ,	
			SCL, SM, SNL, WH	

Notes:
1 Available with CFL only
2 Bronze will weather to a dark bronze patina



695-WP Exterior Wall

695-WP Half Pyramid with direct illumination.



Material

Solid bronze construction with a clear textured refractive glass lense for MH or white acrylic lense for incandescent and CFL lamps. Optional tempered clear lense for full cut-off applications.

Installation

Supplied with a universal mounting back for a standard 4" J-box or plaster ring. Optional rear (through wall) feed conduit mounting.

Ballast

Integral electronic CFL, HFP multi-volt 120V/277V (347V Canada), thermally protected with end-of-life circuitry to accommodate specified lamp wattage. Integral metal halide ballast is magnetic HFP, coil and core multi-volt 120/277V for the specified lamp wattage. 347V ballast for metal halide - Contact factory.

Lamp/Socket

18": One (1) 26W or 32W (GX24q-3) 4-pin triple tube CFL lamp or one (1) 75W A-19 lamp. **24"**: Two (2) 26W or 32W (GX24q-3) 4-pin triple tube CFL lamps or one (1) 50W, 70W or 100W ED-17 metal halide lamp or two (2) 75W A-19 lamps. CFL socket injection molded plastic. INC socket fired ceramic rated for 660W-250V. Metal halide socket is ceramic pulse-rated, 4KV. Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 695-WP-24-CFL/2-277V-GM

Series	Size	Lamp	Voltage	Finish ⁵	Options
695-WP =	18"	CFL/1 (26/32W-Triple)	120V	NBZ (standard),	C
Half Pyramid	24"	CFL/2 (26/32W-Triple)	277V ³	BK, BM, CC, DP,	PH
		INC/1/75 ¹	347V ⁴	GM, GRM, GY, SCL,	QR ⁶
		INC/2/75 ²		SM, SNL, WH	TGL ⁶
		MH/1/50 ²			
		MH/1/70 ²			
		MH/1/100 ²			

Notes:

- 1 Available in 18"
- 2 Available in 24"
- 3 CFL and MH only
- 4 Available with CFL only
- 5 Bronze will weather to a dark bronze patina
- 6 MH only



902 Bollard

The 902 Bollard features a frosted glass diffuser with two distinct shade options offered in two sizes. The various shade options provide a soft "glow" with compact fluorescent, and is also available with incandescent or metal halide lamp technology.

Material

Post and Fixture: 3 5/8" Diameter seamless pure copper tube attached to a sand cast natural bronze alloy base. The sand cast collar and support arms are natural bronze with a frosted glass diffuser. Optional perforated copper brightness baffle.

Curved Shade Options: Spun natural bronze large curved shade (LCS) 5" H x 12" dia., or spun natural bronze curved shade (CS) 2 3/4" x 10" dia.

Hipped Hood Shade Options: Formed natural bronze large hipped hood shade (LHHS) 4 1/4" H x 12" Sq. or formed natural bronze hipped hood shade (HHS) 3 1/2" H x 10" Sq.

Aluminum components are used with a painted finish.

Installation

Post is mounted on a cast base collar with three 3/8" x 6" J-bolts. The post is a wire way. The electrical connection is below the removable head and conduit enters at the center of the base plate. Supplied with anchor bolts, mounting hardware and template.

Ballast

One (1) low temperature (0°F, -18°C) AC electronic CFL multi-volt 120/277V (347V-Canada) ballast. One (1) metal halide electronic 120V/277V ballast. CFL and MH electronic ballast mounted in post.

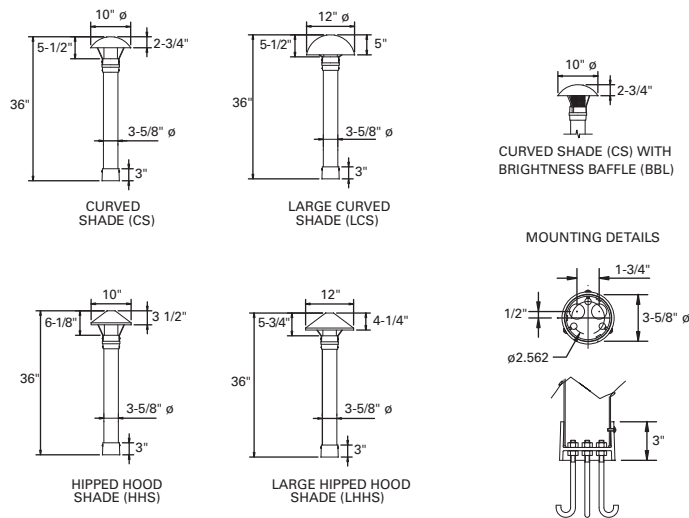
Lamp/Socket

One (1) 26W (GX24q-3 base), 32W (GX24q-3 base) or 42W (GX24q-4 base) 4-pin triple tube CFL lamp, one (1) 50W ED-17 medium base metal halide lamp or one (1) 100W A-19 incandescent lamp. CFL socket injection molded plastic. MH and INC socket fired ceramic rated for 4KV.

Lamps furnished by others.

Finish and Options

See pages 77-80 for finish details and options.

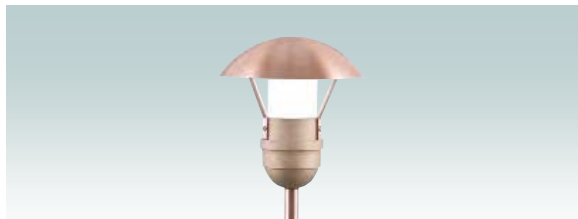


Ordering Information

SAMPLE NUMBER: 902-LCS-CFL/1-347V-SM-DP-36

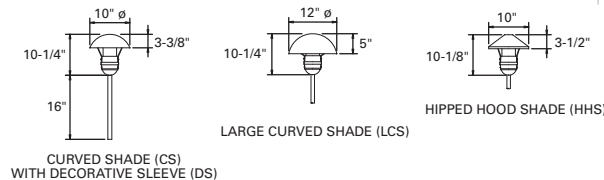
Series	Style	Lamp	Voltage	Post Finish	Finish ³	Mounting Height	Option
902 =	CS = Curved Shade	CFL/1	120V	NBZ (standard),	NBZ (standard),	36"	BBL
Multi-Shade	HHS = Hipped Hood Shade	(26/32/42W-Triple)	277V ¹	BK, BM, CC, DP, GM,	BK, BM, CC, DP, GM, GRM,		
Luminaire	LCS = Large Curved Shade	INC/1/100	347V ²	GRM, GY, SM, WH	GY, SM, VG, WH		
	LHHS = Large Hipped Hood Shade	MH/1/50					

Notes:
1 CFL and MH only
2 Available with CFL only
3 Natural bronze or two component polyurethane paint, 2.5 mil nominal thickness for superior protection against fade or wear



911 Bollard

The 911 Garden Bollard features a frosted glass jar with two distinct shade options offered in two sizes. The various shade options provide a soft "glowing" effect with either compact fluorescent or incandescent lamp technology.



Notes:
1 Natural bronze or two component polyurethane paint, 2.5 mil nominal thickness for superior protection against fade or wear

Material

Post and Fixture: Optional natural copper or aluminum sleeve. The sand cast collar and support arms are natural bronze with a frosted glass jar. Optional perforated copper brightness baffle.

Curved Shade Options: Spun .32" natural bronze large curved shade (LCS) 5" H x 12" dia., or spun .32" natural bronze curved shade (CS) 2 3/4" H x 10" dia. Hipped Hood Shade Options: Formed .32" natural bronze hipped hood shade (HHS) 3 1/2" H x 10" Sq. (G24q-1). Aluminum components are used with a paint finish.

Installation

Mounts to a 1/2" I.P. pipe (supplied by others). Ballast mounted in bottom of fixture.

Ballast

One (1) low temperature 120V (20°F, -6°C) integral AC HPF magnetic CFL ballast.

Lamp/Socket

One (1) 13W Quad (G24q-1) 4-pin CFL lamp, or one (1) 100W A-19 incandescent lamp. CFL socket injection molded plastic. INC socket fired ceramic rated for 4KV. Lamps furnished by others.

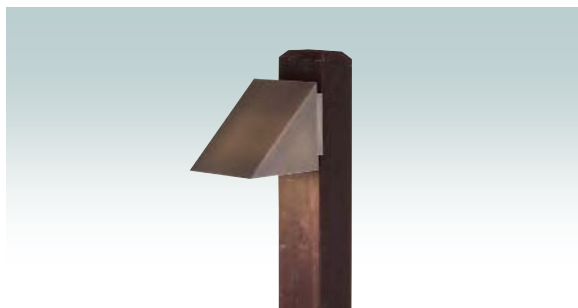
Finish and Options

See pages 77-80 for finish details and options.

Ordering Information

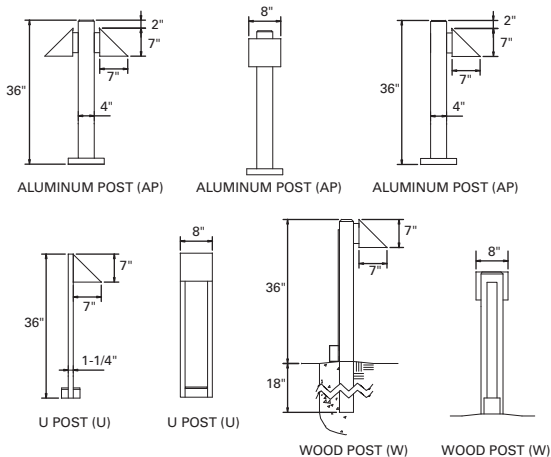
SAMPLE NUMBER: 911-LCS-CFL/1/13-120V-SM-DP-26

Series	Style ¹	Voltage	Finish ²	Mounting Height
911 = Garden Luminaire	CS = Curved Shade HHS = Hipped Hood Shade LCS = Large Curved Shade	120V	NBZ (standard), BK, BM, CC, DP, GM, GRM, GY, SM, VG, WH	26"
	Lamp		Post Finish NBZ (standard), BK, BM, CC, DP, GM, GRM, GY, SM, WH	Option BBL DS
	CFL/1/13 INC/1/100			



982 Bollard

The 982 Bollard features an architectural wedge in a one or two fixture configuration. The fixture(s) provide a direct, glare free symmetrical distribution with either compact fluorescent or incandescent lamp technology.



Material

Post: 4" Square Aluminum Post (AP) with an aluminum base plate. **U Post (U):** 8" W x 1 1/2" D aluminum post with an aluminum base plate.

Wood Post (W): 5 1/2" W x 3 1/2" D Select tight-knotted cedar direct burial wood post. **Fixture:** One (1) or two (2) 7" H x 8" W x 7" D formed natural bronze housing with either a clear refractive glass lense (INC) or frosted acrylic lense (CFL). Optional clear tempered lense to achieve full cut-off [Sustainable Design]. Aluminum components are used with a painted finish.

Installation

AP and U posts are mounted on base plate with four 3/8" x 6" J-bolts. Three conduit feeds through the center of the base. Supplied with base plate, bolts, mounting hardware and template. W post is direct burial and is supplied with a waterproof J-Box which is mounted at the rear of the wood post.

Ballast

One (1) low temperature (0°F, -18°C) AC electronic CFL multi-volt 120/277V (347V-Canada) ballast.

Lamp/Socket

One (1) or two (2) 26W quad (GX24q-3 base), 32W triple (GX24q-3 base) or one (1) 42W triple (GX24q-4 base) 4-pin CFL lamp(s), or one (1) 75W A-19 incandescent lamp. CFL socket injection molded plastic. INC socket fired ceramic rated for 4KV. Lamps furnished by others.

Finish and Options

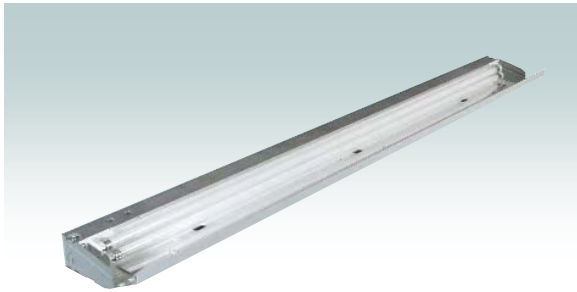
See pages 77-80 for finish details and options.

Ordering Information

SAMPLE NUMBER: 982-U-1-CFL/1-347V-SM-DP-36

Series	Fixture Number	Voltage	Finish ³	Option
982 = Architectural Wedge Bollard	1 = 1 Fixture 2 = 2 Fixtures	120V 277V ² 347V ²	NBZ (standard), BK, BM, CC, DP, GM, GRM, GY, SM, TGL VG, WH	BN PH TGL
	Lamp	Post Finish ^{3,4}	Mounting Height ¹	
AP = Aluminum Post U = Post W = Wood Post ¹	CFL/1 (26/32/42W-Triple) CFL/2 (26/32/42W-Triple) INC/1/75	BK, WH (standard), BM, CC, DP, GM, GRM, GY, SM	36"	

Notes:
1 The tight-knotted cedar post will naturally weather over time to a dark gray-brown appearance
2 Available with CFL only
3 Natural bronze or two component polyurethane paint, 2.5 mil nominal thickness for superior protection against fade or wear
4 Not available with Wood Post (W)



Cove Solo Asymmetric Cove

Corelite's small scale Cove Solo is an asymmetric lighting solution for the interior environment that offers flexibility in application and installation. The Cove Solo optimizes T5 performance and efficiency with an engineered optical system, which produces a smooth even gradient of light across the illuminated surface. The Cove Solo is ideal to accent architectural details or simply create an ambient layer of illumination in corridors, lobbies and public spaces.

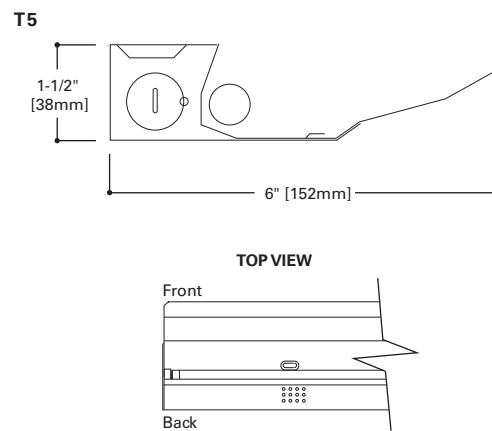
Cove Solo Asymmetric Cove

- Optimizes single 1T5 lamp performance
- Plus5™ Adjustable Aiming System allows up to thirty degrees of angle adjustment above or below nadir at the time of installation
- Die-formed reflectors are highly specular anodized aluminum
- Mounts directly to architectural cove (by others) or to wall structure
- Standard 2', 3', 4' and 8' nominal fixture lengths
- Nominal fixture housing lengths guarantee butted sockets and reduce socket shadows behind the fixture.
- Optional dust cover available

plus5
aiming system™

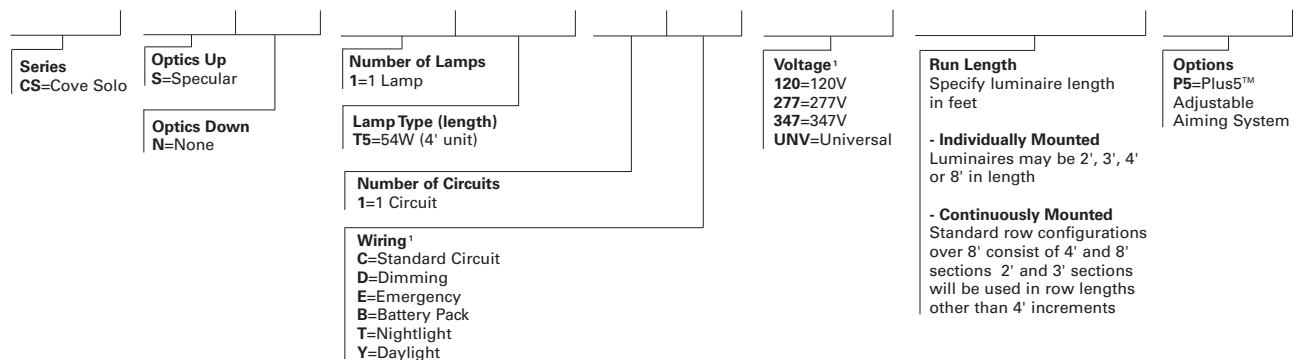
Dimensions with Plus5™ Adjustable Aiming

Front Mount	Degree of Lift	Back Mount
1 1/2 x 6	0 (Standard)	1 1/2 x 6
2 x 6	5	1 7/8 x 6 1/8
2 1/2 x 6	10	2 1/8 x 6 1/4
3 x 5 3/4	15	2 1/2 x 6 1/4
3 1/2 x 5 5/8	20	2 3/4 x 6 1/8
3 7/8 x 5 1/2	25	3 x 6
4 1/4 x 5 1/4	30	3 3/8 x 6

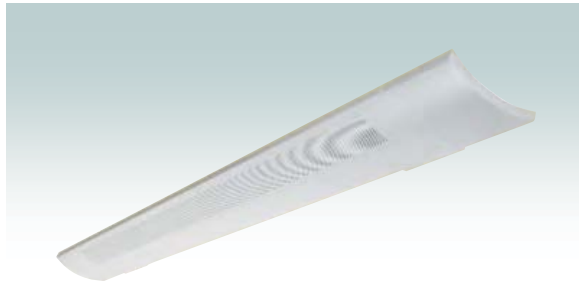


Ordering Information

SAMPLE NUMBER: CS-SN-1T5-1C-UNV-32'-P5



Notes: ¹ Not all options available. Please consult your Cooper Lighting Representative for availability. Specifications & dimensions subject to change without notice.

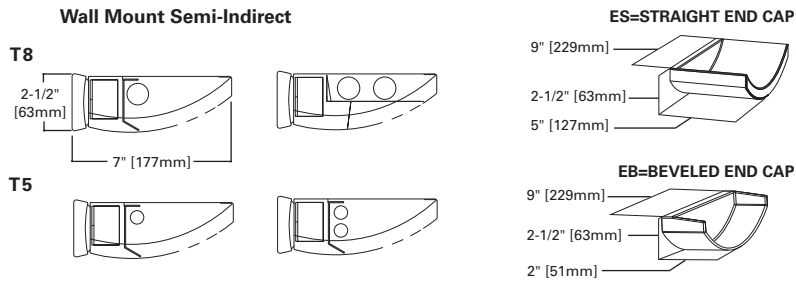


Iridium Perf Wall Mount Semi-Indirect

- Standard straight and optional beveled end caps are precision die-cast aluminum and mechanically attached without exposed fasteners
- Housing is one piece, die-formed, cold rolled steel
- Mounts directly to existing structure over a 2" x 4" standard electrical box
- Individual or continuous mounting with 4' or 8' modular sections
- Optional dust cover available

Iridium Perf Wall Mount Semi-Indirect

Corelite's Iridium Perf Wall Mount semi-indirect fluorescent luminaire features elegant styling with a sleek profile and end caps. The engineered optical system provides an asymmetric forward throw distribution. Iridium Perf Wall may be mounted over standard 2" x 4" J-boxes for individual or continuous configurations using 4' and 8' modular sections. The Iridium Perf Wall is suited for open office perimeters, private offices, conference rooms, corridors and patient room bed lights.



Ordering Information

SAMPLE NUMBER: IW-SP-1T8-1C-UNV-SU-WA-32'-ES

<p>Series IW=Iridium Perf Wall</p>	<p>Number of Lamps 1=1 Lamp 2=2 Lamps</p>	<p>Number of Circuits¹ 1=1 Circuit 2=2 Circuit</p>	<p>Voltage¹ 120=120V 277=277V 347=347V UNV=Universal</p>	<p>Run Length Specify luminaire length in feet</p>	<p>Options ES=Straight End Cap (provided if none specified) EB=Beveled End Cap</p>
<p>Optics Up S=Specular</p>	<p>Lamp Type (length) T8=32W (4' unit) T5=54W (4' unit)</p>	<p>Wiring¹ C=Standard Circuit D=Dimming E=Emergency B=Battery Pack T=Nightlight Y=Daylight</p>	<p>Mounting SU-WA=Surface Wall Mount</p>	<p>- Individual Mounted Luminaires may be 4' or 8' in length</p> <p>- Continuously Mounted Standard row configurations over 8' consist of 4' and 8' sections</p>	

Notes: ¹ Not all options available. Please consult your Cooper Lighting Representative for availability. Specifications & dimensions subject to change without notice.



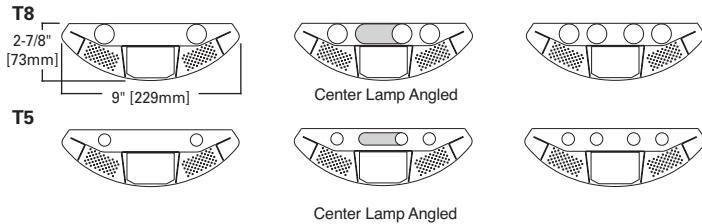
Class A D/I Suspended Direct/indirect

Corelite's Class A D/I suspended direct-indirect fluorescent luminaire features a classic design and increased downlight via two segmented side apertures with an open baffle and perforated blades or a variety of acrylic lens styles. The optional Eclipse louver for the open baffle significantly reduces direct lamp glare at critical angles. The Class A D/I is suited for open and private offices, conference rooms, laboratories, corridors and nurse stations.

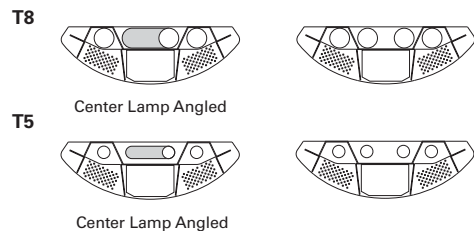
Class A D/I Suspended Direct/indirect

- Increased downlight via two segmented open baffle or lensed apertures
- Additional glare-reducing capability with the Eclipse louver
- Ability to isolate uplight and downlight when combined with lamp isolators and dual circuit wiring
- Optional tapered or rounded die-cast aluminum end caps
- Individual or continuous mounting with 4', 8' or 12' modular sections
- Optional dust cover available
- Matching wall mounted companion available

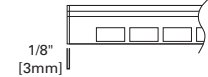
Suspended Direct/Indirect with Open-Baffle



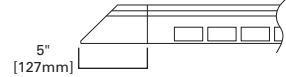
Suspended Direct/Indirect with Open-Baffle and Optional Downlight Isolators (DL)



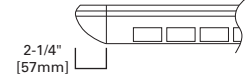
FLAT END PLATE (Standard)



ET=TAPERED END CAP



ER=ROUNDED END CAP



Ordering Information

SAMPLE NUMBER: AB-WB-4T5-1C-UNV-AC18-T1-32'-ET

<p>Series AB=Class A D/I Suspended</p>	<p>Number of Lamps 2=2 Lamps 3=3 Lamps 4=4 Lamps</p>	<p>Wiring¹ C=Standard Circuit D=Dimming E=Emergency B=Battery Pack T=Nightlight Y=Daylight</p>	<p>Power Feed¹ C=Straight Cord K=Kurly Cord P=Rigid Pendant</p>	<p>Ceiling Type¹ T1=1" T-Bar T9=9/16" T-Bar TS=Slotted T-Bar ST=Structure JB=4" Octagonal J=Box</p>	<p>Run Length Specify luminaire length in feet</p> <p>-Individually Mounted Luminaires may be 4', 8' or 12' in length</p> <p>-Continuously Mounted Standard row configurations over 12' consist of 8' and 12' sections</p>
<p>Optics Up W=White</p>	<p>Lamp Type (length) T8=32W (4' unit) T5=54W (4' unit)</p>	<p>Voltage¹ 120=120V 277=277V 347=347V UNV=Universal</p>	<p>Suspension Length - Fixed Cable 12", 15", 18", 21", 24" or 27" (+/- 1/2" adjustment) - Adjustable Cable 48", 120", 240", 300" or 360" (infinite adjustment along entire length of cable) - Rigid Pendant 12", 15", 18", 21", 24" or 27"</p>	<p>Options ET=Tapered End Cap ER=Rounded End Cap DL100=100% Downlight Isolator DL80=80% Downlight Isolator</p>	
<p>Optics Down B=Perforated Baffle E=Eclipse Louver</p>	<p>Number of Circuits 1=1 Circuit 2=2 Circuit</p>	<p>Suspension A=Aircraft Cable P=Rigid Pendant</p>			

Notes: ¹ Not all options available. Please consult your Cooper Lighting Representative for availability. Specifications & dimensions subject to change without notice.



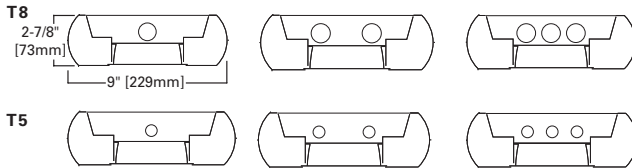
Navigator II Suspended Direct/Indirect

Corellite's Navigator II suspended direct-indirect fluorescent luminaire features a rugged aluminum construction, elegant styling and three louver options (Cross Blade, RPerformance™ and Concave Metallic Perf). The Slide-N-Lock™ optics accessory allows the designer to adjust the amount of uplight and downlight for a particular application with 8 settings in 5% increments. The Navigator II is suited for open and private offices, conference rooms, nurse stations and waiting rooms.

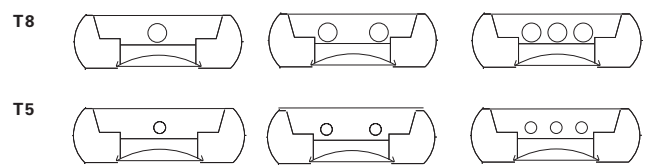
Navigator II Suspended Direct/Indirect

- Three louver options (Cross Blade, RPerformance™ and Concave Metallic Perf)
- Meets RPI requirements for downlight in 1T5 configuration with RPerformance™ louver
- Optional Slide-N-Lock optics with eight field adjustable uplight/downlight settings
- Ability to isolate uplight and downlight when combined with lamp isolators and dual circuit wiring
- Standard end caps are precision die-cast aluminum
- Individual or continuous mounting with 4', 8' or 12' modular sections
- Optional dust cover available
- Matching wall mounted companion available

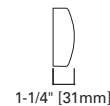
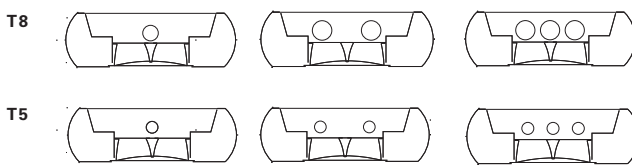
Suspended Direct/Indirect Cross Blade Louver



Suspended Semi-Indirect Concave Metallic Perf



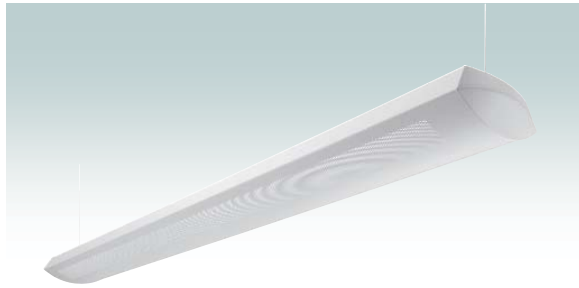
Suspended Direct/Indirect RPerformance™ Louver



Ordering Information

SAMPLE NUMBER: NB-SH-2T5-1C-UNV-AC18-T1-32'-DL2

<p>Series NB=Navigator II Suspended</p>	<p>Number of Lamps 1=1 Lamp 2=2 Lamps 3=3 Lamps</p>	<p>Voltage¹ 120=120V 277=277V 347=347V UNV=Universal</p>	<p>Ceiling Type¹ T1=1" T-Bar T9=9/16" T-Bar TS=Slotted T-Bar ST=Structure JB=4" Octagonal J-Box</p>
<p>Optics Up W=White S=Specular</p>	<p>Lamp Type (length)¹ T8=32W (4' unit) T5=54W (4' unit)</p>	<p>Suspension A=Aircraft Cable P=Rigid Pendant</p>	<p>Options¹ Slide-N-Lock™² DL1 ~ 95% Downlight DL2 ~ 90% Downlight DL3 ~ 85% Downlight DL4 ~ 80% Downlight DL5 ~ 75% Downlight DL6 ~ 70% Downlight DL7 ~ 65% Downlight DL8 ~ 60% Downlight</p>
<p>Optics Down B=Cross Blade Louver H=RPerformance™ Louver C=Concave Metallic Perf</p>	<p>Number of Circuits¹ 1=1 Circuit 2=2 Circuit</p>	<p>Power Feed¹ C=Straight Cord K=Curly Cord P=Rigid Pendant</p>	<p>Run Length Specify luminaire length in feet</p> <p>- Individually Mounted Luminaires may be 4', 8' or 12' in length</p>
<p>Notes: ¹Not all options available. Please consult your Cooper Lighting Representative for availability. Specifications & dimensions subject to change without notice. ²Please see specification sheets for exact downlight percentages. ³Lamp only, not available for Concave Metallic Perf option (DL/UDU, DL/UXU, DL/XDX not available for RPerformance™ Louver)</p>	<p>Wiring¹ C=Standard Circuit D=Dimming E=Emergency B=Battery Pack T=Nightlight Y=Daylight</p>	<p>Suspension Length - Adjustable Cable 48", 120", 240", 300" or 360" (infinite adjustment along entire length of cable)</p> <p>- Rigid Pendant 12", 15", 18", 21", 24" or 27"</p>	<p>- Continuously Mounted Standard row configurations over 12' consist of 8' and 12' sections</p> <p>Lamp Isolators³ DL/UDU=2 lamps up 1 lamp dn DL/DUD=2 lamps dn 1 lamp up DL/UXU=2 lamps up DL/DXD=2 lamps dn DL/XDX=1 lamp dn DL/XUX=1 lamp up</p>



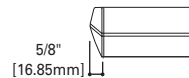
Feros Perf Suspended Semi-Indirect

Corelite's Feros Perf suspended semi-indirect fluorescent luminaire offers a petite contemporary design perfect for today's interior spaces. The performance of the Feros series of luminaires was developed to meet IES requirements for ceiling uniformity. Further, the perforated fixture housing creates a soft, sparkling downlight component to closely match ceiling brightness, which minimizes contrast on computer screens. The Feros perf is suited for open and private offices, corridors, laboratories and NICU applications.

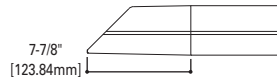
Feros Perf Suspended Semi-Indirect

- Standard sculpted die-cast aluminum end caps
- Optional Tapered or Rounded die-cast aluminum end caps
- Individual or continuous mounting with 4', 8' or 12' modular sections
- Full indirect distribution also available
- Optional dust cover available

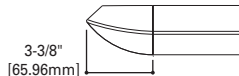
SCULPTED END PLATE (Standard)



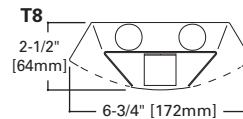
ET=TAPERED END CAP



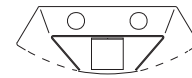
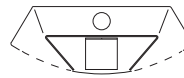
ER=ROUNDED END CAP



Suspended Semi-Indirect

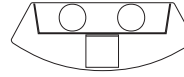


T5

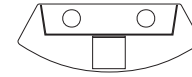
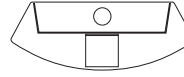


Suspended Full Indirect

T8



T5

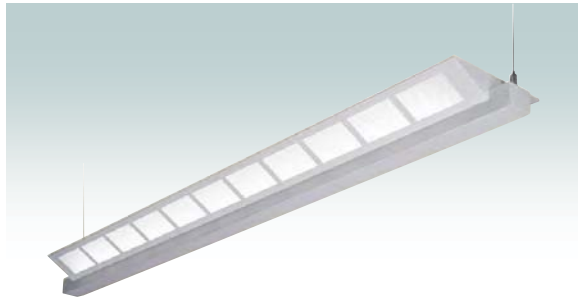


Ordering Information

SAMPLE NUMBER: FP-WP-1T5-1C-UNV-AC18-T1-32'-ET

<p>Series FP=Feros Perf Suspended</p>	<p>Number of Lamps¹ 1=1 Lamp 2=2 Lamps</p>	<p>Voltage¹ 120=120V 277=277V 347=347V UNV=Universal</p>	<p>Ceiling Type¹ T1=1" T-Bar T9=9/16" T-Bar TS=Slotted T-Bar ST=Structure JB=4" Squared Box</p>	<p>Run Length Specify luminaire length in feet</p> <p>-Individually Mounted Luminaires may be 4', 8' or 12' in length</p> <p>-Continuously Mounted Standard row configurations over 12' consist of 8' and 12' sections</p>
<p>Optics Up W=White S=Specular</p>	<p>Lamp Type (length) T8=32W (4' unit) T5=54W (4' unit)</p>	<p>Suspension A=Aircraft Cable P=Rigid Pendant</p>	<p>Power Feed¹ C=Straight Cord K=Curly Cord P=Rigid Pendant</p>	<p>Options ET=Tapered End Cap ER=Rounded End Cap</p>
<p>Optics Down P=Perforated</p>	<p>Number of Circuits¹ 1=1 Circuit 2=2 Circuit</p>	<p>Suspension Length - Fixed Cable 12", 15", 18", 21", 24" or 27" (+/-1/2" adjustment) - Adjustable Cable 48", 120", 240", 300" or 360" (infinite adjustment along entire length of cable) - Rigid Pendant 12", 15", 18", 21", 24" or 27"</p>	<p>Wiring¹ C=Standard Circuit D=Dimming E=Emergency B=Battery Pack T=Nightlight</p>	

Notes: ¹ Not all options available. Please consult your Cooper Lighting Representative for availability. Specifications & dimensions subject to change without notice.

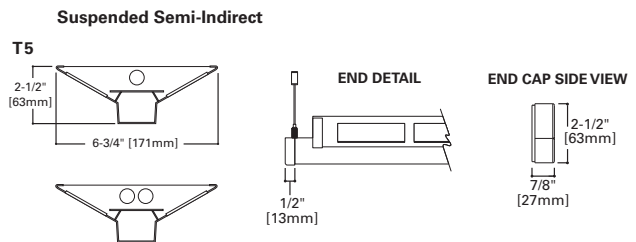


Rave Suspended & Wall Semi-Indirect

Corellite's Rave and Rave Wall semi-indirect fluorescent luminaires feature a stylish petite profile designed for the energy efficient T5 lamp. The Rave series is available with various lens options consisting of round and square silkscreened perf acrylic or colored acrylic in a variety of hues (White Opal, Absolute Orange, Blue Haze or Grasshopper Green). The Rave series is suited to ambient perimeter lighting in NICU applications or color-coded lighting in corridors and nurse stations.

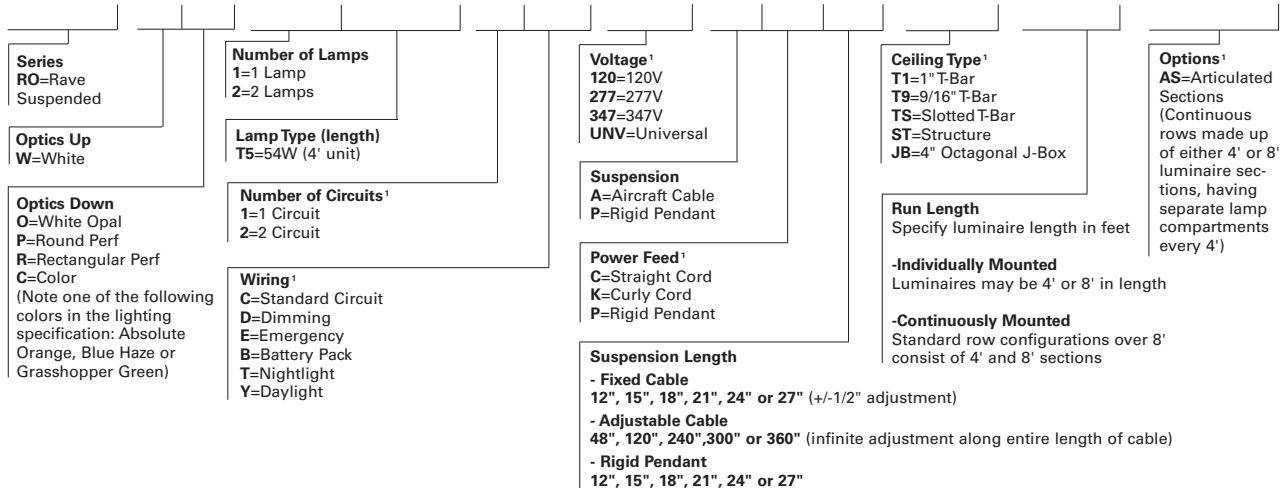
Rave Suspended & Wall Semi-Indirect

- Lens options consist of round or square silkscreened perf and colored acrylic
- Optional articulated sections (suspended only)
- T5 specific housing design
- Rave suspended may be mounted individually or continuously with 4', 8', and 12' modular sections
- Rave Wall and Rave suspended with optional articulated sections are available in 4' and 8' fixture lengths
- Optional dust cover available



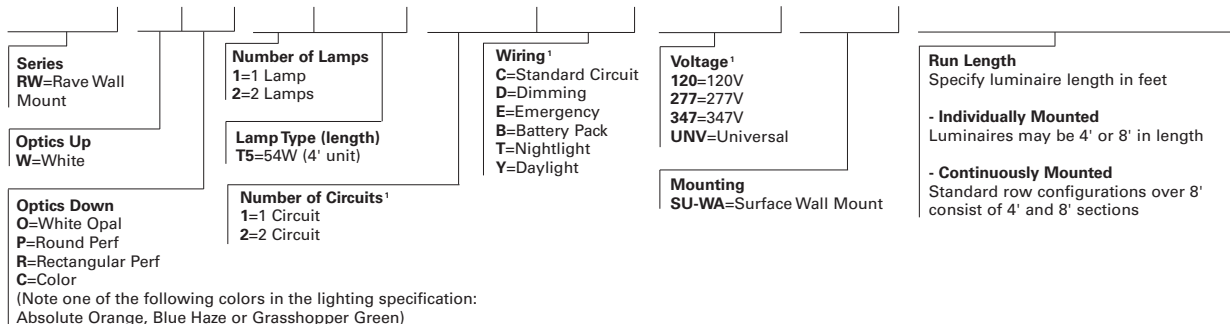
Ordering Information

SAMPLE NUMBER: RO-WO-2T5-1C-UNV-AC18-T1-32'-AS



Ordering Information

SAMPLE NUMBER: RW-WO-1T5-1C-UNV-SU-WA-32'



Notes: * Not all options available. Please consult your Cooper Lighting Representative for availability. Specifications & dimensions subject to change without notice.



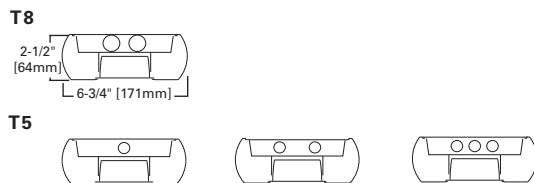
Minigator Suspended Direct/Indirect

Corelite's Minigator suspended direct indirect fluorescent luminaire features a rugged aluminum construction, elegant styling and three louver options (Cross Blade, RPerformance™ and Concave Metallic Perf). The Slide-N-Lock™ optics accessory allows the designer to adjust the amount of uplight and downlight for a particular application with 8 settings in 5% increments. The Minigator is suited for open and private offices, nurse stations, waiting rooms and laboratories.

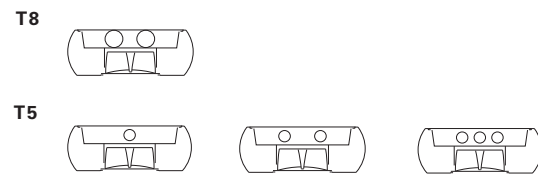
Minigator Suspended Direct/Indirect

- Three louver options (Cross Blade, RPerformance™ and Concave Metallic Perf)
- Meets RPI requirements for downlight in 1T5 configuration with RPerformance™ louver
- Optional Slide-N-Lock™ optics with eight field adjustable uplight/downlight settings
- Ability to isolate uplight and downlight when combined with lamp isolators and dual circuit wiring
- Standard end caps are precision die-cast aluminum
- Individual or continuous mounting with 4', 8' or 12' modular sections
- Optional dust cover available
- Matching wall mounted companion available

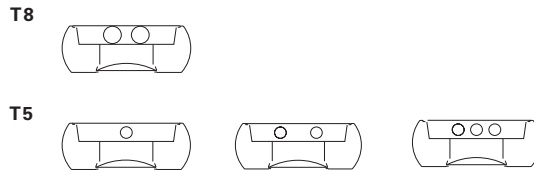
Suspended Direct/Indirect Cross Blade Louver



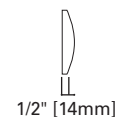
Suspended Direct/Indirect RPerformance™ Louver



Suspended Semi-Indirect Concave Metallic Perf



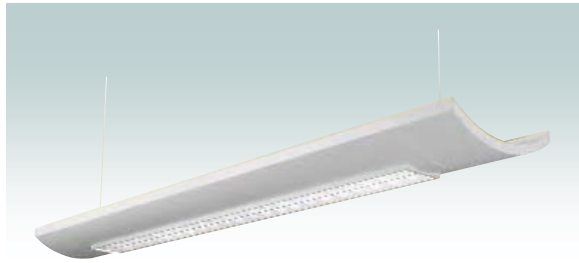
ND CAP SIDE VIEW



Ordering Information

SAMPLE NUMBER: MB-WB-2T5-1C-UNV-AC18-T1-32'-DL2

Series MB=Minigator Suspended	Number of Lamps¹ 1=1 Lamp 2=2 Lamps 3=3 Lamps	Voltage¹ 120=120V 277=277V 347=347V UNV=Universal	Ceiling Type¹ T1=1" T-Bar T9=9/16" T-Bar TS=Slotted T-Bar ST=Structure JB=4" Octagonal J-Box	Options¹ Slide-N-Lock™² DL1 ~ 95% Downlight DL2 ~ 90% Downlight DL3 ~ 85% Downlight DL4 ~ 80% Downlight DL5 ~ 75% Downlight DL6 ~ 70% Downlight DL7 ~ 65% Downlight DL8 ~ 60% Downlight
Optics Up W=White S=Specular	Lamp Type (length) T8=32W (4' unit) T5=54W (4' unit)	Suspension A=Aircraft Cable P=Rigid Pendant	Run Length Specify luminaire length in feet - Individually Mounted Luminaires may be 4', 8' or 12' in length - Continuously Mounted Standard row configurations over 12' consist of 8' and 12' sections	Lamp Isolators³ DL/UDU=2 lamps up 1 lamp dn DL/DUD=2 lamps dn 1 lamp up DL/UXU=2 lamps up DL/DXD=2 lamps dn DL/XDX=1 lamp dn DL/XUX=1 lamp up
Optics Down B=Cross Blade Louver H=RPerformance™ Louver C=Concave Metallic Perf	Number of Circuits¹ 1=1 Circuit 2=2 Circuit	Power Feed¹ C=Straight Cord K=Curly Cord P=Rigid Pendant		
Notes: ¹ Not all options available Please consult your Cooper Lighting Representative for availability Specifications and dimensions subject to change without notice ² Please see specification sheets for exact downlight percentages ³ 3-Lamp only, not available for Concave Metallic Perf option (DL/UDU, DL/UXU, DL/XDX not available for RPerformance™ Louver)	Wiring¹ C=Standard Circuit D=Dimming E=Emergency B=Battery Pack T=Nightlight Y=Daylight	Suspension Length - Adjustable Cable 48", 120", 240", 300" or 360" (infinite adjustment along entire length of cable) - Rigid Pendant ² 12", 15", 18", 21", 24" or 27"		



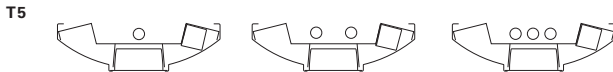
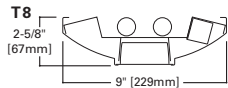
Iridium D/I Suspended Direct/Indirect

Corellite's Iridium D/I suspended direct-indirect fluorescent luminaire features elegant styling with a sleek profile and end caps. The Iridium D/I is available with three louver options (Cross Blade, RPerformance™ and Concave Metallic Perf). The Slide-N-Lock' optics accessory allows the designer to adjust the amount of uplight and downlight for a particular application with 8 settings in 5% increments. Iridium D/I is suited for open offices, private offices, conference rooms, corridors and laboratories.

Iridium D/I Suspended Direct/Indirect

- Three louver options (Cross Blade, RPerformance™ and Concave Metallic Perf)
- Meets RPI requirements for downlight in IT5 configuration with RPerformance™ louver
- Optional Slide-N-Lock™ optics with eight field adjustable uplight/downlight settings
- Ability to isolate uplight and downlight when combined with lamp isolators and dual circuit wiring
- Standard straight and optional beveled end caps are precision die-cast aluminum mechanically attached without exposed fasteners
- Individual or continuous mounting with 4' or 8' modular sections
- Optional dust cover available

Suspended Direct/Indirect Cross Blade Louver



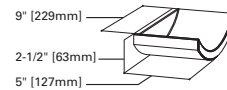
Suspended Direct/Indirect RPerformance™ Louver



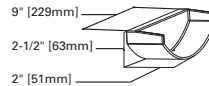
Suspended Semi-Indirect Concave Metallic Perf



ES=STRAIGHT END CAP



EB=BEVELED END CAP



Ordering Information

SAMPLE NUMBER: IB-WB-2T5-1C-UNV-AC18-T1-32'-DL2

<p>Series IB=Iridium D/I Suspended</p> <p>Optics Up W=White S=Specular</p>	<p>Number of Lamps¹ 1=1 Lamp 2=2 Lamps 3=3 Lamps</p> <p>Lamp Type (length) T8=32W (4' unit) T5=54W (4' unit)</p>	<p>Voltage¹ 120=120V 277=277V 347=347V UNV=Universal</p> <p>Suspension A=Aircraft Cable P=Rigid Pendant</p>	<p>Ceiling Type¹ T1=1" T-Bar T9=9/16" T-Bar TS=Slotted T-Bar ST=Structure JB=4" Octagonal J-Box</p>	<p>Options¹ ES=Straight End Cap (Provided if none specified) EB=Beveled End Cap</p> <p>Slide-N-Lock™² DL1 ~ 95% Downlight DL2 ~ 90% Downlight DL3 ~ 85% Downlight DL4 ~ 80% Downlight DL5 ~ 75% Downlight DL6 ~ 70% Downlight DL7 ~ 65% Downlight DL8 ~ 60% Downlight</p>
<p>Optics Down B=Cross Blade Louver H=RPerformance™ Louver C=Concave Metallic Perf</p> <p>Notes: ¹ Not all options available. Please consult your Cooper Lighting Representative for availability. Specifications and dimensions subject to change without notice. ² Please see specification sheets for exact downlight percentages. ³ 3-Lamp only, not available for Concave Metallic Perf option (DL/UDU, DL/UXU, DL/XDX not available for RPerformance™ Louver).</p>	<p>Number of Circuits¹ 1=1 Circuit 2=2 Circuit</p> <p>Wiring¹ C=Standard Circuit D=Dimming E=Emergency B=Battery Pack T=Nightlight Y=Daylight</p>	<p>Power Feed¹ C=Straight Cord K=Curly Cord P=Rigid Pendant</p> <p>Suspension Length - Fixed Cable 12", 15", 18", 21", 24" or 27" (+/-1/2" adjustment) - Adjustable Cable 48", 120", 240", 300" or 360" (infinite adjustment along entire length of cable) - Rigid Pendant 12", 15", 18", 21", 24" or 27"</p>	<p>Run Length Specify luminaire length in feet</p> <p>- Individually Mounted Luminaires may be 4' or 8' in length</p> <p>- Continuously Mounted Standard row configurations over 8' consist of 4' and 8' sections</p>	<p>Lamp Isolators³ DL/UDU=2 lamps up 1 lamp dn DL/DUD=2 lamps dn 1 lamp up DL/UXU=2 lamps up DL/DXD=2 lamps dn DL/XDX=1 lamp dn DL/XUX=1 lamp up</p>



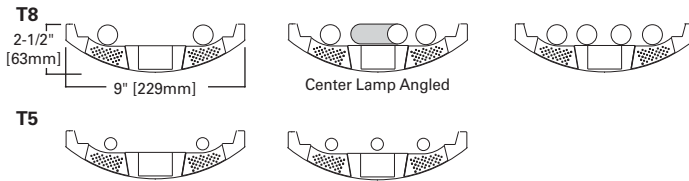
Iridium IQ Suspended Direct/Indirect

- Additional glare-reducing capability with the Eclipse Louver
- Optional Slide-N-Lock™ optics with eight field adjustable uplight/downlight settings
- Ability to isolate uplight and downlight when combined with lamp isolators and dual circuit wiring
- Standard straight and optional beveled end caps are precision die-cast aluminum mechanically attached without exposed fasteners
- Individual or continuous mounting with 4', 8' or 12' modular sections
- Optional dust cover available

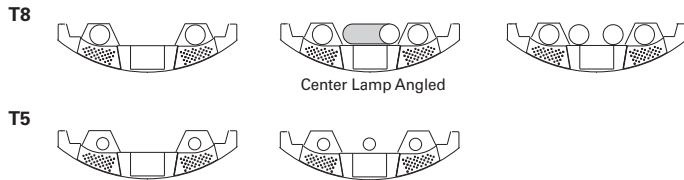
Iridium IQ Suspended Direct/Indirect

Corelite's Iridium IQ suspended direct-indirect fluorescent luminaire features elegant styling with a sleek profile and end caps. The Iridium IQ is available with two open baffle options including the glare-reducing Eclipse Louver. The Slide-N-Lock™ optics accessory allows the designer to adjust the amount of uplight and downlight for a particular application with 8 settings in 5% increments. Iridium IQ is suited for administrative offices, private offices, conference rooms, corridors and mixed-media training rooms.

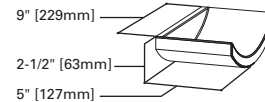
Suspended Direct/Indirect with Open Baffle



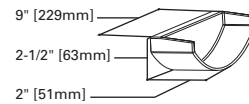
Suspended Direct/Indirect with Open-Baffle and Optional Downlight Isolators (DL)



ES=STRAIGHT END CAP



EB=BEVELED END CAP

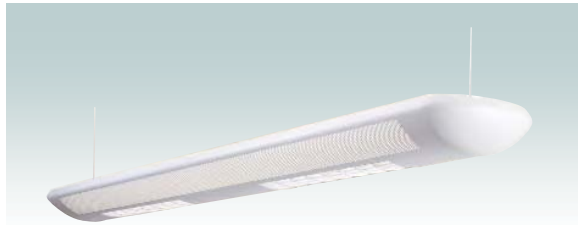


Ordering Information

SAMPLE NUMBER: IQ-WE-3T5-1C-UNV-AC18-T1-32'-EB

Series IQ=Iridium IQ Suspended	Number of Lamps¹ 2=2 Lamps 3=3 Lamps 4=4 Lamps	Voltage¹ 120=120V 277=277V 347=347V UNV=Universal	Ceiling Type¹ T1=1" T-Bar T9=9/16" T-Bar TS=Slotted T-Bar ST=Structure JB=4" Octagonal J-Box	Options ES= Straight End Cap (provided if none specified) EB= Beveled End Cap DL= Downlight Isolators
Optics Up W=White S=Specular	Lamp Type (length) T8=32W (4' unit) T5=54W (4' unit)	Suspension A=Aircraft Cable P=Rigid Pendant	Run Length Specify luminaire length in feet - Individually Mounted Luminaires may be 4', 8' or 12' in length	Slide-N-Lock™² DL1 ~ 95% Downlight DL2 ~ 90% Downlight DL3 ~ 85% Downlight DL4 ~ 80% Downlight DL5 ~ 75% Downlight DL6 ~ 70% Downlight DL7 ~ 65% Downlight DL8 ~ 60% Downlight
Optics Down B=Perforated Baffle E=Eclipse Louver	Number of Circuits¹ 1=1 Circuit 2=2 Circuit	Power Feed¹ C= Straight Cord K= Curly Cord P= Rigid Pendant	- Continuously Mounted Standard row configurations over 12' consist of 8' and 12' sections	
	Wiring¹ C=Standard Circuit D=Dimming E=Emergency B=Battery Pack T=Nightlight Y=Daylight	Suspension Length - Fixed Cable 12", 15", 18", 21", 24" or 27" (+/- 1/2" adjustment) - Adjustable Cable 48", 120", 240", 300" or 360" (infinite adjustment along entire length of cable) - Rigid Pendant 12", 15", 18", 21", 24" or 27"		

Notes: ¹ Not all options available. Please consult your Cooper Lighting Representative for availability. Specifications and dimensions subject to change without notice. ² Please see specification sheets for exact downlight percentages.

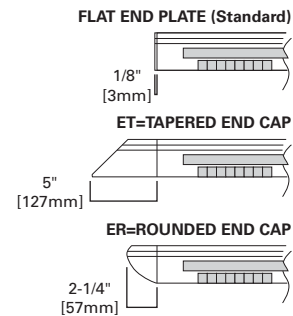
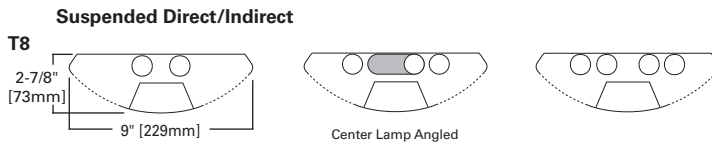


Class A Perf D/I Suspended Direct/Indirect

- Two 13" long open baffle sections with standard 1-5/8" blade spacing
- 0.0625" diameter perforations create a soft downlight component
- Optional Tapered or Rounded die-cast aluminum end caps
- Ability to isolate uplight and downlight when combined with lamp isolators and dual circuit wiring
- Individual or continuous mounting with 4', 8' or 12' modular sections
- Optional dust cover available

Class A Perf D/I Suspended Direct/Indirect

Corellite's Class A Perf D/I suspended direct-indirect fluorescent luminaire combines classic design with an additional direct component via two 13" long center downlight apertures. The baffles can be outfitted with a variety of media options including colored acrylic and semi-specular bladed or slotted aluminum. The perforated fixture housing creates a soft downlight component to closely match the ceiling brightness. The Class A Perf D/I is suited for conference rooms, administrative offices and mixed-media training rooms.

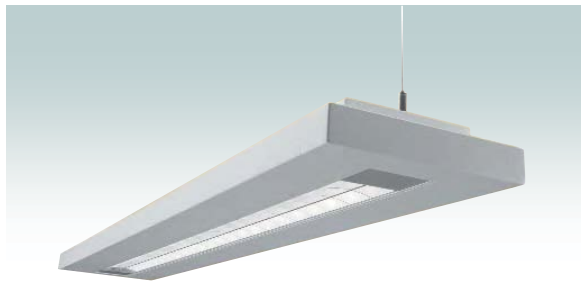


Ordering Information

SAMPLE NUMBER: AP-WB-4T8-1C-UNV-AC18-T1-32'-ET

<p>Series AP=Class A Perf D/I Suspended</p> <p>Optics Up W=White</p> <p>Optics Down B=White Perf Baffle T=Translucent Baffle (specify Clear or Blue) M=Semi Specular Louver O=Slotted Concave Panel</p>	<p>Number of Lamps 2=2 Lamps 3=3 Lamps 4=4 Lamps</p> <p>Lamp Type (length) T8=32W (4' unit)</p> <p>Number of Circuits^{1 2} 1=1 Circuit 2=2 Circuit</p> <p>Wiring^{1 2} C=Standard Circuit D=Dimming E=Emergency B=Battery Pack T=Nightlight Y=Daylight</p>	<p>Voltage¹ 120=120V 277=277V 347=347V UNV=Universal</p> <p>Suspension A=Aircraft Cable P=Rigid Pendant</p> <p>Power Feed¹ C=Straight Cord K=Curly Cord P=Rigid Pendant</p> <p>Suspension Length - Fixed Cable 12", 15", 18", 21", 24" or 27" (+/- 1/2" adjustment) - Adjustable Cable 48", 120", 240", 300" or 360" (infinite adjustment along entire length of cable) - Rigid Pendant 12", 15", 18", 21", 24" or 27"</p>	<p>Ceiling Type¹ T1=1" T-Bar T9=9/16" T-Bar TS=Slotted T-Bar ST=Structure JB=4" Octagonal J-Box</p> <p>Run Length Specify luminaire length in feet - Individually Mounted Luminaires may be 4', 8' or 12' in length - Continuously Mounted Standard row configurations over 12' consist of 8' and 12' sections</p>	<p>Options ET=Tapered End Cap ER=Rounded End Cap DL100=100% downlight isolator for inboard lamps</p>
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Notes: ¹ Not all options available Please consult your Cooper Lighting Representative for availability Specifications & dimensions subject to change without notice ² Only 1 ballast per 4' section



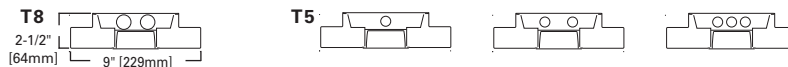
Vertechs Suspended Direct/Indirect

Corelite's Vertechs suspended direct-indirect fluorescent luminaire features a sleek rectangular profile, aluminum construction and three louver options (Cross Blade, RPerformance™ and Concave Metallic Perf). Corelite's Slide-N-Lock™ optics accessory allows the designer to adjust the amount of uplight and downlight for a particular application with 8 settings in 5% increments. The Vertechs is suited for administrative offices, conference rooms, laboratories and mixed-media training rooms.

Vertechs Suspended Direct/Indirect

- Three louver options (Cross Blade, RPerformance™ and Concave Metallic Perf)
- Meets RPI requirements for downlight in 1T5 configuration with RPerformance™ louver
- Optional Slide-N-Lock™ optics with eight field adjustable uplight/downlight settings
- Ability to isolate uplight and downlight when combined with lamp isolators and dual circuit wiring
- Individual or continuous mounting with 4', 8' or 12' modular sections
- Optional dust cover available
- Matching wall mounted companion available

Suspended Direct/Indirect Cross Blade Louver



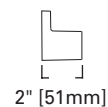
Suspended Direct/Indirect RPerformance™ Louver



Suspended Semi-Indirect Concave Metallic Perf



END CAP SIDE VIEW



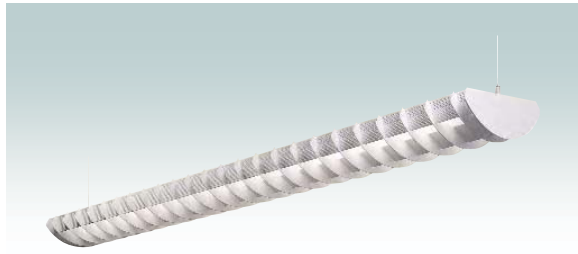
Ordering Information

SAMPLE NUMBER: VB-WB-2T5-1C-UNV-AC18-T1-32'-DL2

Series VB=Vertechs Suspended	Number of Lamps¹ 1=1 Lamp 2=2 Lamps 3=3 Lamps	Voltage¹ 120=120V 277=277V 347=347V UNV=Universal	Ceiling Type¹ T1=1" T-Bar T9=9/16" T-Bar TS=Slotted T-Bar ST=Structure JB=4" Octagonal J-Box	Options¹ Slide-N-Lock™² DL1 ~ 95% Downlight DL2 ~ 90% Downlight DL3 ~ 85% Downlight DL4 ~ 80% Downlight DL5 ~ 75% Downlight DL6 ~ 70% Downlight DL7 ~ 65% Downlight DL8 ~ 60% Downlight
Optics Up W=White S=Specular	Lamp Type (length) T8=32W (4' unit) T5=54W (4' unit)	Suspension A=Aircraft Cable P=Rigid Pendant	Run Length Specify luminaire length in feet - Individually Mounted Luminaires may be 4' or 8' in length - Continuously Mounted Standard row configurations over 12' consist of 8' and 12' sections	Lamp Isolators³ DL/UDU=2 lamps up 1 lamp dn DL/DUD=2 lamps dn 1 lamp up DL/UXU=2 lamps up DL/DXD=2 lamps dn DL/XDX=1 lamp dn DL/XUX=1 lamp up
Optics Down B=Cross Blade Louver H=RPerformance™ Louver C=Concave Metallic Perf	Number of Circuits¹ 1=1 Circuit 2=2 Circuit	Power Feed¹ C=Straight Cord K=Curly Cord P=Rigid Pendant		
	Wiring¹ C=Standard Circuit D=Dimming E=Emergency B=Battery Pack T=Nightlight Y=Daylight	Suspension Length - Adjustable Cable 48", 120", 240", 300" or 360" (infinite adjustment along entire length of cable) - Rigid Pendant² 12", 15", 18", 21", 24" or 27"		

Notes: ¹ Not all options available. Please consult your Cooper Lighting Representative for availability. Specifications and dimensions subject to change without notice.

² Please see specification sheets for exact downlight percentages. ³ Lamp only, not available for Concave Metallic Perf option (DL/UDU, DL/UXU, DL/XDX not available for RPerformance™ Louver)



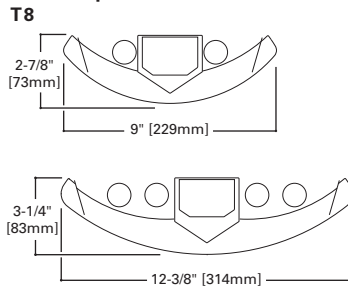
Stellar Suspended Direct/Indirect

- Three housing scales: 6" (2T5), 9" (2T8) and 12" (4T5 and 4T8)
- Aluminum baffle construction with 0.625" perforated side rails
- Optional 70% or 100% downlight kits
- Individual or continuous mounting with 4', 8' or 12' modular sections
- Optional dust cover available
- Matching wall mounted companion available

Stellar Suspended Direct/Indirect

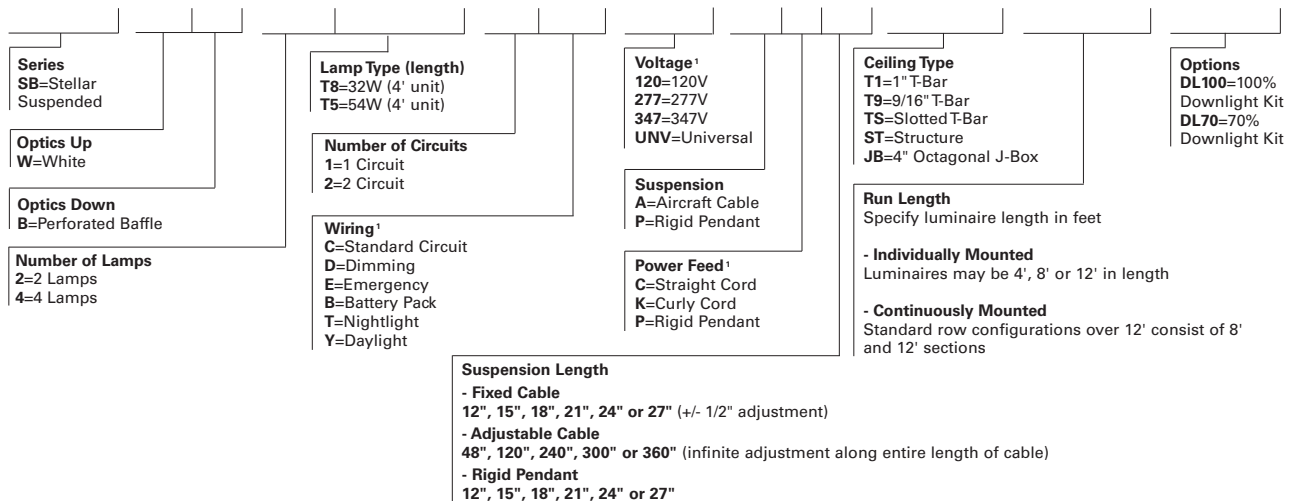
Corellite's Stellar suspended direct-indirect fluorescent luminaire produces energy efficient ambient illumination. The rugged painted aluminum baffle assembly delivers high vertical footcandles ideal for high ceilings and room perimeters. The Stellar series is available in three scales and can be combined with either 70% or 100% downlight kits to achieve the desired distribution. Stellar is best suited for high-ceiling open offices, private offices, conference rooms, corridors, laboratories and public spaces.

Suspended Direct/Indirect



Ordering Information

SAMPLE NUMBER: SB-WB-2T8-1C-UNV-AC18-T1-32'-DL70





2' x 4' with Micro Baffle (B)

Class R1 Ultra Shallow Recessed

- 2T5 specific design
- 1-3/4" installed depth
- 82.8% efficiency (R1-WL-2N5-24)
- Available with 4 unique shielding options
- Installs in half the space of traditional lay-ins
- Supports energy saving ballasts and controls

Class R1 Ultra Shallow Recessed

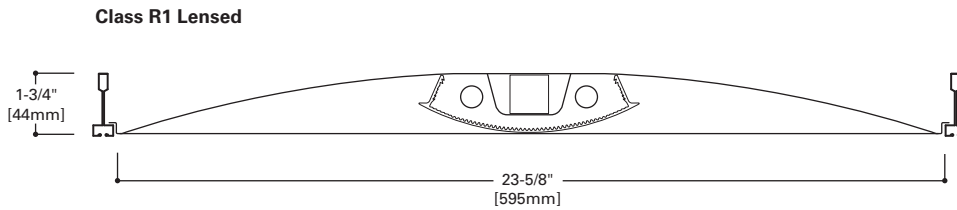
Class R1 is the ultra shallow direct-indirect recessed luminaire designed specifically for shallow and obstructed plenum applications. The 1-3/4" installed depth allows the R1 to fit seamlessly within the height of a standard ceiling grid. It's T5 specific design and optically engineered shielding options deliver highly efficient direct-indirect illumination, creating both excellent task lighting and softly luminous vertical wall surfaces.



Lens (L)



Rectangular Perf (R)
Round Perf (P) also available



Ordering Information

SAMPLE NUMBER: R1-WL-2N5-1C-UNV-22-T1

<p>Series R1=Class R1 (1-3/4")</p>	<p>Number of Lamps 2=2 Lamps</p>	<p>Voltage¹ 120=120V 277=277V 347=347V UNV=Universal (120V-277V)</p>	<p>Options¹ AR=Air Return CP=Chicago Plenum NY=New York City Construction AM=Anti-Microbial Coating LG=Lens Gasketing WG=6' Whip Flex W12=12' Whip Flex</p>
<p>Reflector W=White</p>	<p>Lamp Type N5=T5 Normal Output T5=T5 High Output (not recommended for use below 12')</p>	<p>Size 24=2' x 4' 22=2' x 2' 14=1' x 4'</p>	
<p>Shielding L=Lens B=Micro Baffle P=Round Perf R=Rectangular Perf</p>	<p>Number of Circuits¹ 1=1 Circuit 2=2 Circuits</p>	<p>Ceiling Type¹ T1=1" Grid, Slot Grid, 9/16" Tegular T9=9/16" Grid CC=Concealed Ceiling (see note)</p>	
	<p>Wiring¹ C=Standard Circuit B=Battery D=Dimming/Step Dimming E=Emergency Y=Daylight T=Nightlight</p>		

Notes: ¹ Not all options available. Please consult your Cooper Lighting Representative for availability. Specifications and dimensions subject to change without notice.



2' x 2' with Lens (L)

Class R2 Ultra Shallow Recessed

- 2-7/8" installed depth
- 85% efficiency (R2-WL-2N5-24)
- Accommodates up to 3 T5 lamps
- Available with 4 unique shielding options
- Installs in half the space of traditional lay-ins
- Supports energy saving ballasts and controls

Class R2 Ultra Shallow Recessed

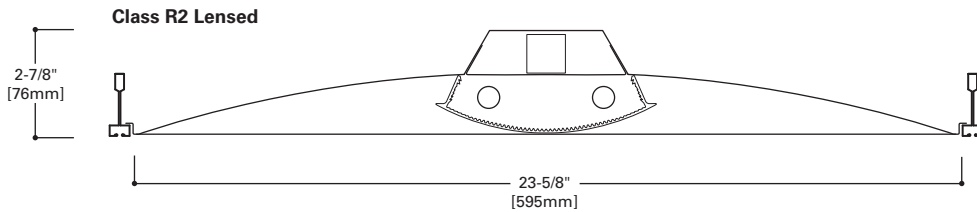
Class R2 is a shallow recessed direct-indirect luminaire designed not only for shallow plenum applications, but ALL recessed ambient applications. The R2 delivers highly efficient illumination (80-95%) to meet energy code requirements, in a uniquely shallow 2-7/8" deep housing. It's T5 specific design and optically engineered shielding options deliver highly efficient direct-indirect illumination, creating both excellent task lighting and softly luminous vertical wall surfaces.



Micro Baffle (B)



Rectangular Perf (R)
Round Perf (P) also available



Ordering Information

SAMPLE NUMBER: R2-WL-2N5-1C-UNV-22-T1

<p>Series R2=Class R2 (2-7/8")</p>	<p>Number of Lamps 1=2 Lamp 2=2 Lamps 3=3 Lamps</p>	<p>Voltage¹ 120=120V 277=277V 347=347V UNV=Universal (120V-277V)</p>	<p>Options¹ AR=Air Return CP=Chicago Plenum NY=New York City Construction AM=Anti-Microbial Coating LG=Lens Gasketing WG=6' Whip Flex W12=12' Whip Flex</p>
<p>Reflector W=White</p>	<p>Lamp Type N5=T5 Normal Output T5=T5 High Output (not recommended for use with 2 or 3 lamp configurations below 12')</p>	<p>Size 24=2' x 4' 22=2' x 2' 14=1' x 4'</p>	
<p>Shielding L=Lens B=Micro Baffle P=Round Perf R=Rectangular Perf</p>	<p>Number of Circuits¹ 1=1 Circuit 2=2 Circuits</p>	<p>Ceiling Type¹ T1=1" Grid, Slot-Grid, 9/16" Tegular T9=9/16" Grid CC=Concealed Ceiling (see note)</p>	
	<p>Wiring¹ C=Standard Circuit B=Battery D=Dimming/Step Dimming E=Emergency Y=Daylight T=Nightlight</p>		

Notes: ¹ Not all options available. Please consult your Cooper Lighting Representative for availability. Specifications and dimensions subject to change without notice.

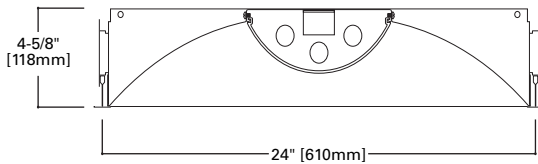


Fenestra Architectural Recessed

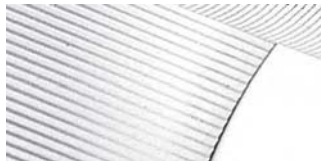
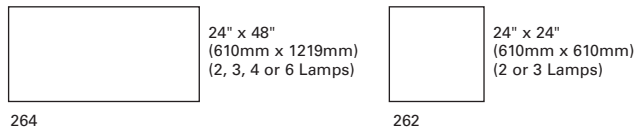
Make an architectural statement with ambient illumination. The Fenestra center basket series places indirect lighting performance into a recessed housing. The end result is a near shadowless, low-glare environment. Vertical room surfaces are more uniformly illuminated when compared to environments with recessed parabolics. This series is ideal for use throughout the healthcare facility.

Fenestra Architectural Recessed

- Opal white diffuser fully encloses lamp compartment for easy wipe down
- Perfect for facilities that require simple, easy cleaning and minimized contagion accumulation
- T5 or T8 Lamping
- Highly efficient linear prismatic diffuser offers low glare, broad distribution
- Combine the three lamp profile with dual switching for three levels of lighting through basic switches for complete, trustworthy control
- Consult factory for dimming and emergency options
- Recessed Mounting for T-grid, sheet rock ceiling and 9/16" slot T-grid
- End-to-end and side-to-side mounting available

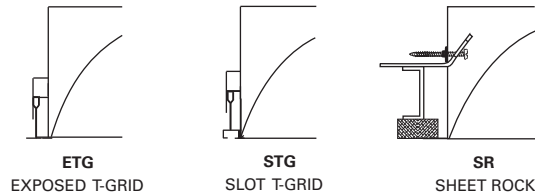


STANDARD LUMINAIRE PLAN - VIEW - VIEW



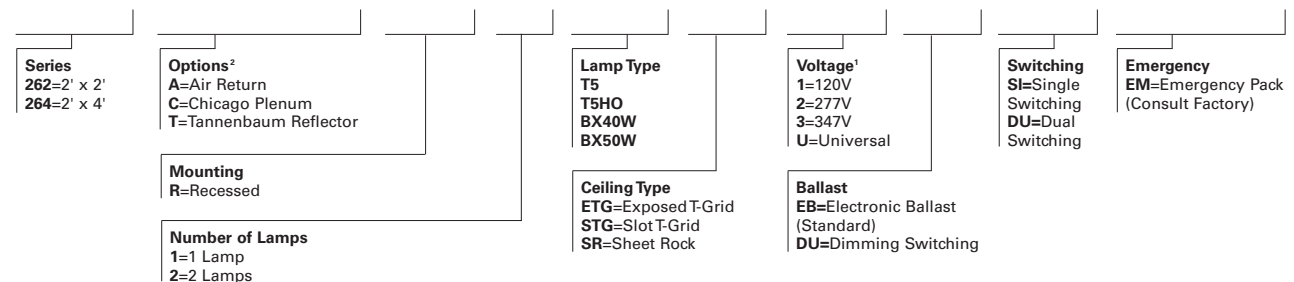
Tannenbaum Reflector

MOUNTING INFORMATION

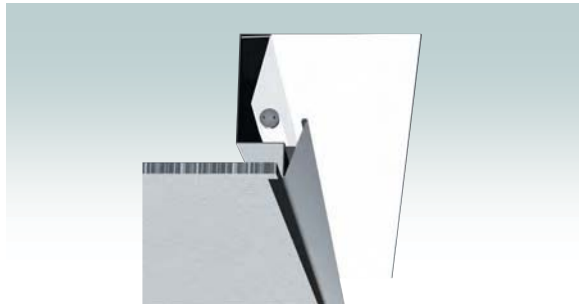


Ordering Information

SAMPLE NUMBER: 262R-1BX40W-ETG-1EB-SI-EM



Notes: ¹ Due to various constraints, some options may not be combined with others ² Can be left blank or more than one option may be available, consult factory For complete product data, refer to the Neo-Ray Specification Binder Specifications and dimensions subject to change without notice Products may be modified for use in international markets Please contact your Cooper Lighting Sales Representative for availability and ordering information



79-OS Perimeter/Indirect

79OS is the recent addition to the perimeter wall wash family. This open slot wall washer has no wall side rails or reflectors to mount, align and miter; just a wall disappearing into an open slot trimmed out with a room side extrusion, resulting in no lamp visibility at any angle. Providing smooth graduated wall illumination without any hint of lamp socket shadows.

79-OS Perimeter/Indirect

- Direct wall wash light distribution
- T5 and T8 lamping
- Softly graduated wall illumination without lamp socket shadows
- Factory prepared inside and outside mitered corners, create a refined finished detail at the ceiling line
- Lamps shielded from all viewing angles
- Die formed steel housing
- Runs are field adjustable
- Illuminated wall continues above the ceiling line to create floating ceiling effect
- 90 degree mitered corners
- Contractor friendly installation

Construction

20-gauge steel housing.

Electrical

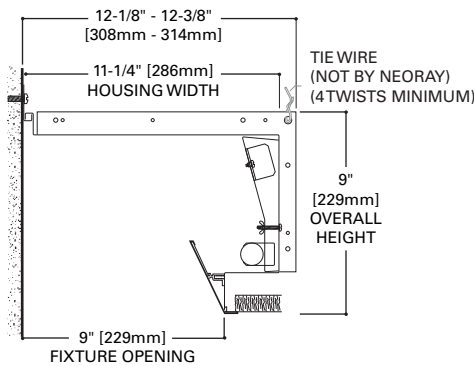
120, 277, 347 or Universal Voltage electronic ballast. Fixtures and electrical components certified to UL and cUL standards.

Finish

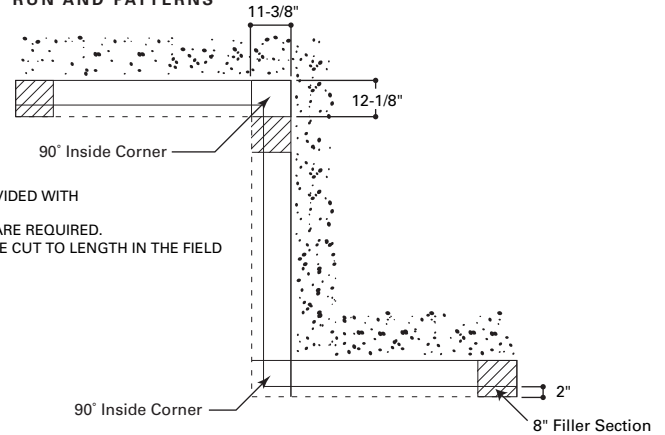
Durable, low gloss, white, powder coated acrylic finish.

Mounting

Recessed.



RUN AND PATTERNS



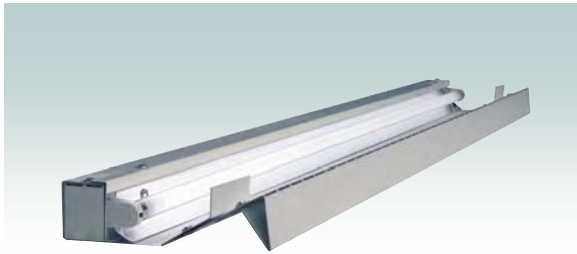
PATTERNS ARE PROVIDED WITH CORNER SECTIONS. FIELD DIMENSIONS ARE REQUIRED. FILLER SECTIONS ARE CUT TO LENGTH IN THE FIELD

Ordering Information

SAMPLE NUMBER: 79OS-1T8-4-1EB-SI

Series Number 79OS	No of Lamps (not included) 1=1 Lamp	Run Length Overall Nominal Run Length_ft (Any combination of 8', 6', 4' and 3' sections)	Ballast EB=Electronic Ballast (Standard) DB=Dimming Ballast	Emergency EM=Emergency Pack (Consult Factory)	Fusing GLR GMF
	Lamp Type T8 T5	Voltage¹ 1=120V 2=277V 3=347V U=Universal	Switching SI=Single Switching		

Notes: ¹ Due to various constraints, some options may not be combined with others. For complete product data, refer to the Neo-Ray Specification Binder. Specifications and dimensions subject to change without notice. Products may be modified for use in international markets. Please contact your Cooper Lighting Sales Representative for availability and ordering information.



741C Indirect Cove

- Indirect cove light distribution
- Smooth ceiling light gradation free of lamp socket shadows
- Die-formed steel housing

Construction

Housing is die-formed 20-gauge cold rolled steel. Nominal 3', 4', 6', or 8' illuminated sections

Reflector

Specular aluminum and white steel assembly

Electrical

120, 277, 347 or Universal Voltage electronic ballast. Luminaires and electrical components certified to UL and cUL standards.

Finish

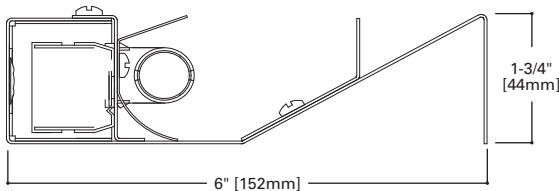
Durable, low gloss, white, powder coated acrylic finish.

Mounting

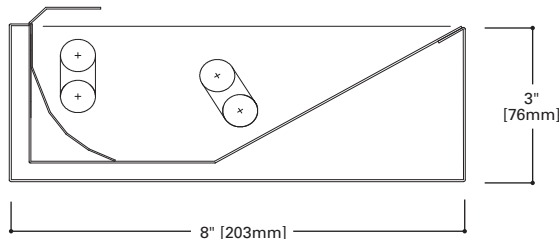
Lay-in at wall cove. Lay into base of cove or mount vertically firing downward to illuminate wall from soffit.

741C Indirect Cove

A properly designed Indirect Cove Lighting system. The optically designed semi-specular reflector directs the light outward to the ceiling at low angles providing uniform, efficient glare free lighting. The wall deflector intercepts and redirects the light away from the wall, providing uniform light with no socket shadows on the wall.



(1) T5 or T5HO



(1 or 2) T8 or (1 or 2) BX

741C T8

- 57% of the fixture light output is in the critical 90 to 130 degree vertical angle zone.
- Fixture efficiency 63%.

741C 2T8

- 54.8% of the fixture light output is in the critical 90 to 130 degree vertical angle zone.
- Fixture efficiency 55%.

741C T5/T5HO

- 50% of the fixture light output is in the critical 90 to 130 degree vertical angle zone.
- Fixture efficiency 81.7%.

741C 2T5/T5HO

- 50% of the fixture light output is in the critical 90 to 130 degree vertical angle zone.
- Fixture efficiency 69%.

741C IBX

- 63% of the fixture light output is in the critical 90 to 130 degree vertical angle zone.
- Fixture efficiency 73.8%.

741C 2BX

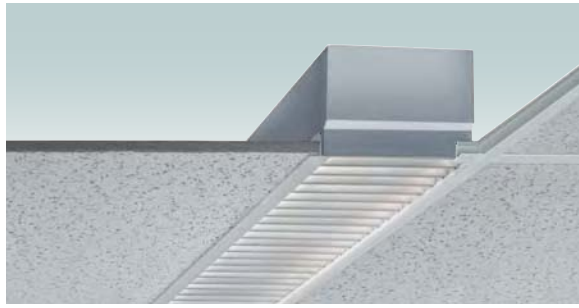
- 46% of the fixture light output is in the critical 90 to 130 degree vertical angle zone.
- Fixture efficiency 50%.

Ordering Information

SAMPLE NUMBER: 741C-1T5-60-1EB-SI-EM-GMF

Series 74=Cove	Mounting C=Cove	Lamp Type T8 T5 T5HO BX40W BX50W	Run Length Overall Nominal Run Length__ft (Any combination of 8', 6', 4' and 3' sections)	Ballast EB=Electronic Ballast (Standard) DB=Dimming Ballast	Emergency EM=Emergency Pack (Consult Factory)
Light Output I=Indirect	No. Of Lamps 1=1 Lamp 2=2 Lamps		Voltage¹ 1=120V 2=277V 3=347V U=Universal	Switching SI=Single Switching DU=Dual Switching	Fusing GLR GMF

Notes: ¹Due to various constraints, some options may not be combined with others. For complete product data, refer to the Neo-Ray Specification Binder. Specifications and dimensions subject to change without notice. Products may be modified for use in international markets. Please contact your Cooper Lighting Sales Representative for availability and ordering information.



81 Direct

Series 81 can be used individually or in back to back illuminated runs and patterns. This fixture is uniquely suited to achieve many functional and aesthetic spatial effects. Shielding locks in place without hardware. The trim is rigid "U" shaped, double formed with a 3/8" regress soft lit edge.

81 Direct

- Direct light distribution
- T5 and T8 lampping
- Die formed steel housing, nominal illuminated sections 3' and 4'
- Rigid "U" shaped trim is double formed with 3/8" regress soft lit edge
- For individual fixtures mounted in ETG Ceilings in 3' or 4' sections
- For runs see Series 82 fixture on website

Construction

20-gauge steel housing. Nominal 3' or 4' illuminated sections

Shielding

Acrylic diffuser or lens, parabolic or bold baffle shielding.

Electrical

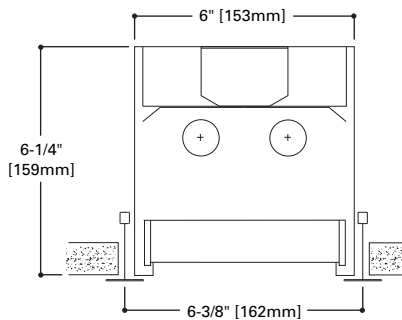
120, 277, 347 or Universal Voltage electronic ballast. Fixtures and electrical components certified to UL and cUL standards.

Finish

Durable, low gloss, white, powder coated acrylic finish.

Mounting

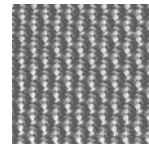
Recessed



SHIELDING OPTIONS



S22 Acrylic Diffuser



S58 Acrylic Lens



S72 Bold Baffle



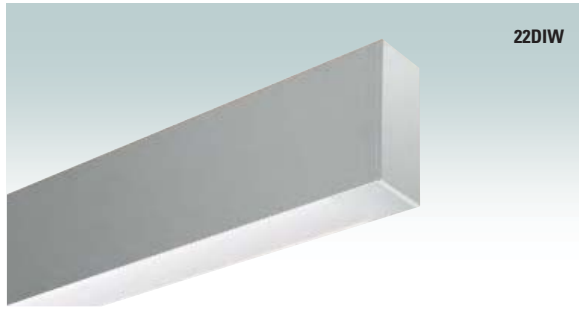
S79 Parabolic Baffle

Ordering Information

SAMPLE NUMBER: 81R-2T5HO-ETG-2EB-SI-S72

Series Number 81 (ETG-Exposed "T" grid ceiling only)	No of Lamps (not included) 1=1 Lamp 2=2 Lamps	Ceiling Type ETG=Exposed T-Grid (81)	Voltage¹ 1=120V 2=277V 3=347V U=Universal	Ballast EB=Electronic Ballast (Standard) DB=Dimming Ballast	Emergency EM=Emergency Pack (Consult Factory)	Shielding S22=White Acrylic Diffuser with Mullion S58=KSH-12 Clear Acrylic Prismatic Lens with Mullion S72=White Bold Baffle S79=Semi-Specular Aluminum Parabolic Baffle
Mounting R=Recessed	Lamp Type (Length) T8 T5 T5HO	Length 3' or 4' individuals only	Switching SI=Single Switching DU=Dual Switching	Fusing GLR GMF		

Notes: ¹ Due to various constraints, some options may not be combined with others ² Can be left blank or more than one option may be available, consult factory For complete product data, refer to the Neo-Ray Specification Binder Specifications and dimensions subject to change without notice Products may be modified for use in international markets Please contact your Cooper Lighting Sales Representative for availability and ordering information



22 Series Straight & Narrow Wall

- The Straight and Narrow Series embodies architectural detail as well as lighting performance
- Continuous and unbroken light
- Extruded aluminum housing offers precise in-line appearance
- Runs are provided to nearest foot

22 Series Straight & Narrow Wall

A return to simplicity, elegance and minimalism. Slender lines of unbroken light set in an architectural environment are what the essence of Straight and Narrow is all about. Accommodates most architectural lighting design applications.

Construction

Extruded aluminum housing. Nominal 3', 4', 6' or 8' illuminated sections.

Shielding

Trimless, snap-in white high transmission acrylic diffuser. Snap-in high performance semi-specular or white parabolic louver.

Electrical

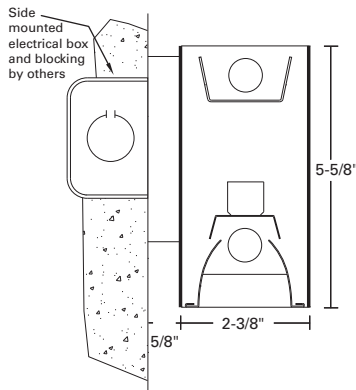
120, 277 or universal voltage, electronic ballast. Fixtures and electrical components certified to UL and cUL standards.

Finish

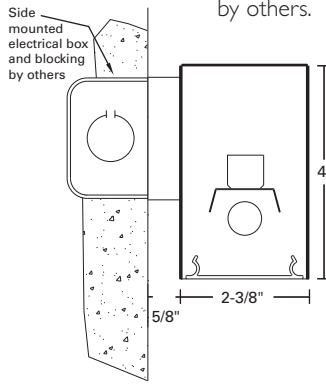
Durable, low gloss, white powder coated acrylic. Optional custom finish.

Mounting

Fixture mounts directly to existing structure over a standard electrical box (not supplied by Neo-Ray). Blocking provided by others.



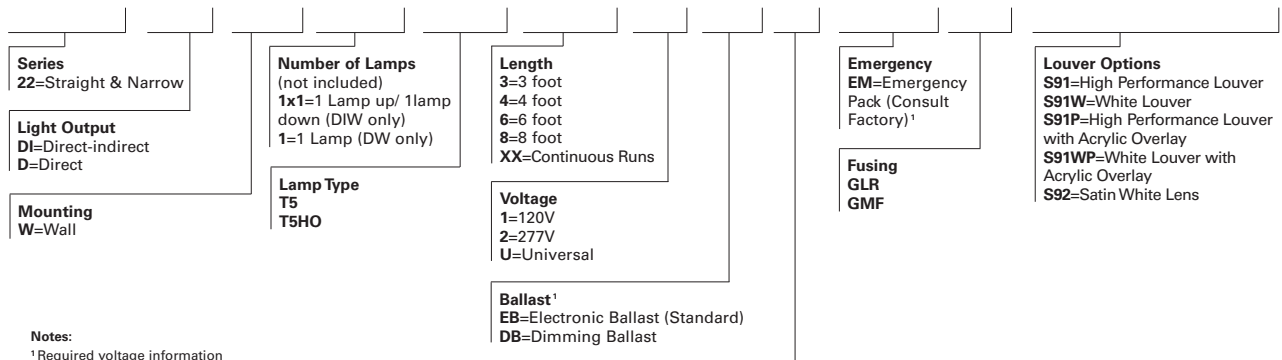
22DIW 1x1 with high performance louver (S91)



22DW with satin white lens (S92)

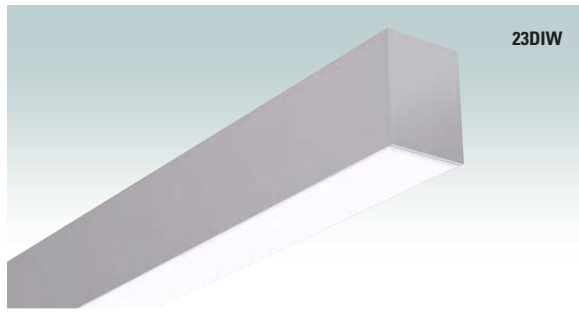
Ordering Information

SAMPLE NUMBER: S22DIW/1X1T5HO/4/1EB-SI-EM-GLR-S91



Notes:

- ¹ Required voltage information
- For some electronic, dimming and EM battery pack ballast combinations fixture has space limitation (consult factory)
- Not all option combination available, please consult your COOPER Lighting representative for additional information
- 22DW dual switching is half level



23DIW

23 Series Straight & Narrow Wall

- The Straight and Narrow Series embodies architectural detail as well as lighting performance
- Continuous and unbroken light
- Extruded aluminum housing offers precise in-line appearance
- Runs are provided to nearest foot

23 Series Straight & Narrow Wall

A return to simplicity, elegance and minimalism. Slender lines of unbroken light set in an architectural environment are what the essence of Straight and Narrow is all about. Accommodates most architectural lighting design applications.

Construction

Extruded aluminum housing. Nominal 3', 4', 6' or 8' illuminated sections.

Shielding

Trimless, snap-in white, high transmission, acrylic diffuser. Snap-in high performance semi-specular or white parabolic louver.

Electrical

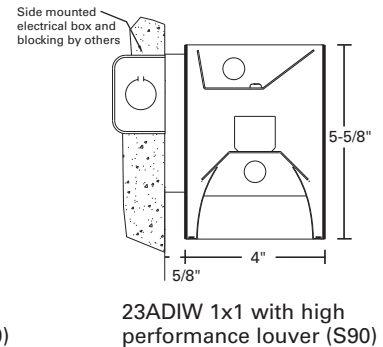
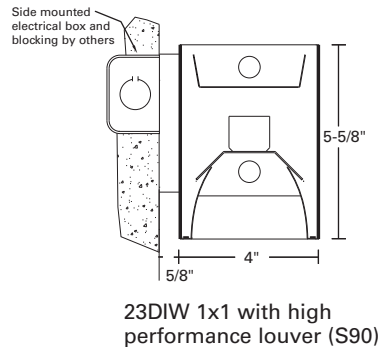
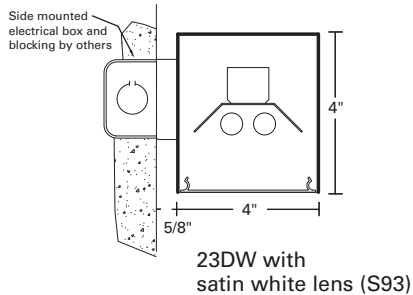
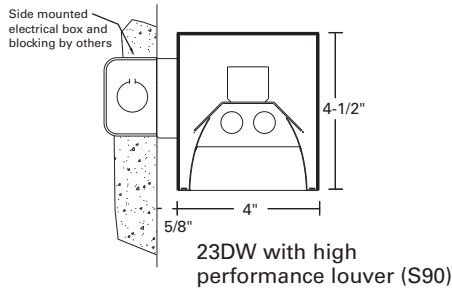
120, 277, 347 or Universal Voltage, electronic ballast. Fixtures and electrical components certified to UL and cUL standards.

Finish

Durable, low gloss, white powder coated acrylic. Optional custom finish.

Mounting

Fixture mounts directly to existing structure over a standard electrical box (not supplied by Neo-Ray). Blocking provided by others.

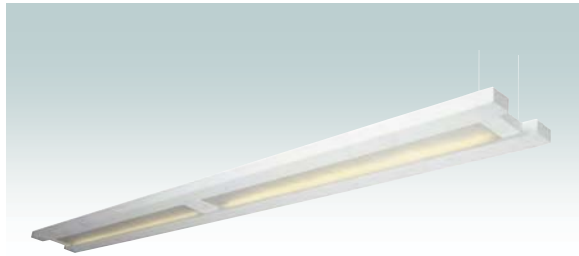


Ordering Information

SAMPLE NUMBER: S23DIW/1X1T5/4/1EB-SI-EM-GLR-S90

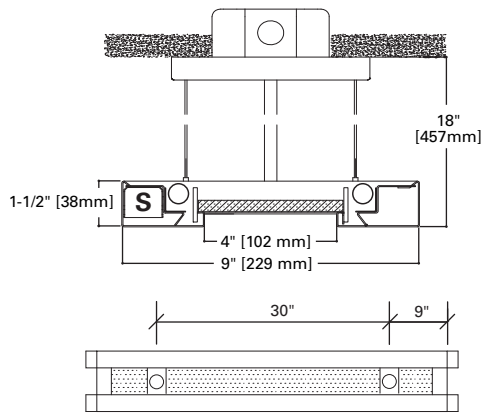
Series 23=Straight & Narrow 23A=Asymmetric Straight & Narrow	Number of Lamps (not included) 1=1 Lamp (DW only) 2=2 Lamps (DW only) 1x1=1 Lamp up/ 1 Lamp down (DIW only) 1x2=1 Lamp up/ 2 Lamps down (DIW only) 2x2=2 Lamps up/ 2 Lamps down (23 Series DIW only) 2x1=2 Lamps up/ 1 Lamp down (23 Series DIW only)	Length 3=3 foot 4=4 foot 6=6 foot 8=8 foot XX=Continuous Runs	Emergency EM=Emergency Pack (Consult Factory) ¹	Louver Options S22R=Regressed white acrylic diffuser S90=High performance louver S90W=White louver S90P=High performance louver with acrylic overlay S90WP=White louver with acrylic overlay S93=Satin white lens
Light Output DI=Direct-indirect D=Direct	Lamp Type T8 T5 T5HO	Voltage 1=120V 2=277V 3=347V U=Universal	Fusing GLR GMF	
Mounting W=Wall	Ballast¹ EB=Electronic Ballast (Standard) DB=Dimming Ballast	Switching Options SI=Single Switching DU=Dual Switching		

Notes:
¹ Required voltage information
 • 23DW T5 or T5HO standard with 6" staggered lamps
 • T8 lamp not staggered
 • For some electronic, dimming and EM battery pack ballast combinations fixture has space limitation (consult factory)
 • Not all option combination available, please consult your COOPER Lighting rep for additional information



Scala Architectural Suspended

This pendant luminaire consists of 2 T5 or T5HO lamps, a slim profile of 1.5" high by 9" wide, modular housing lengths of 4' and 8', with a variety of standard as well as custom diffusing media. The new ribbed semi-transparent/translucent diffusing media gives the visual mystery of edge glow while seeing through and beyond the center of the luminaire with the appearance of some direct light. The fixture housings and hangers are modular and incremental, exactly on 4'-0" and 8'-0" centers resulting in cohesive ceiling geometry and contractor friendly, cost effective installation.



Position of accent lamp kits as above or specify custom location

S = Slim Line Ballast only

Scala Architectural Suspended

- Housing is die formed cold rolled steel
- Slim profile of 1.5" high by 9" wide
- Modular housing lengths of 8', 6', 4' and 3'
- Variety of diffusing media give the visual mystery of edge glow

Construction: Housing is die-formed cold rolled steel forming a 1-1/2" high x 9" wide classic rectangular profile. Standard 8'-0", 6'-0", 4'-0" and 3'-0" nominal housing lengths are available as individual or combine for continuous runs.

End Caps: End caps are precision die-cast aluminum mechanically attached without exposed fasteners.

Reflector: Side and center reflectors are die-formed, semi-specular aluminum.

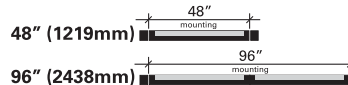
Electrical: Luminaires are prewired with quick wire connectors and use UL listed Class P, T5 program rapid start electronic ballasts. Power factor of 97% with less than 10% THD. Fixtures and electrical components certified to UL and CUL standards.

Diffusing Media: Standard ribbed semi-transparent/translucent diffusing lens are available. Custom diffusers can be specified (consult factory).

Finish: Luminaire housings are standard white using electrostatically applied acrylic powder coat paint. Chrome or Satin Chrome finishes available (see options).

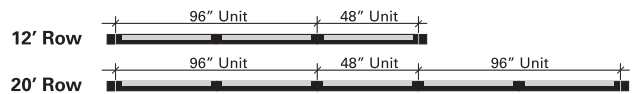
Mounting: Dual aircraft cable for all ceiling types. Square Canopy - white finish. Feed Canopy - 5" square, Non Feed Canopy = 5" x 2-1/4"

STANDARD LUMINAIRE LENGTHS



MODULAR ROW CONFIGURATION

- Standard length sections join easily to create rows
- Sections align with T-grid
- All sections prewired for through-wiring with quick connectors



Ordering Information

SAMPLE NUMBER: 801B-S-L-2T5HO-1C-120-DC-18-TS-24-28A

<p>Series 801-B=Scala</p>	<p>No of Lamps (not included) 2=2 Lamps</p>	<p>Voltage¹ 120=120V 277=277V UNV=Universal</p>	<p>Ceiling Type T1=1" T-Bar ST=Structure T9=9/16" T-Bar TS=Slotted T-Bar JB=4" Octagonal J-Box</p>	<p>Options WT=White Finish CB=Chrome Housing with Matching Ends SB=Satin Housing with Matching Ends AS=20 Watt AR70 Halogen Spot Kit (2) per 4' section (see note) AF=20 Watt AR70 Halogen Flood Kit (2) per 4' section (see note)</p>
<p>Optics Up S=Specular</p>	<p>Lamp Type (Length) N5=T5 (28W)</p>	<p>Suspension D=Dual Cable</p>	<p>Run Length (Any combination of 8', 6', 4' and 3' sections) 03=3' Section 04=4' Section 06=6' Section 08=8' Section Rows will primarily consist of 8' sections</p>	
<p>Optics Down L=Refer to Diffuser Types</p>	<p>Number of Circuits 1=1 Circuit 2=2 Circuits (Side by Side)</p>	<p>Power Feed¹ C=Straight Cord K=Curly Cord</p>	<p>Diffuser Type 28A=Ribbed Clear Plastic 28B=Ribbed Texture Plastic 28C=Ribbed Blue Plastic 28D=Ribbed Green Plastic PT=Perforated Top Diffuser</p>	
	<p>Wiring¹ C=Standard Circuit D=Dimming E=Emergency/Nightlight B=Battery Pack T=Nightlight *Slim line ballast only (small case)</p>	<p>Suspension Length Fixed Cable 12", 15", 18", 21", 24" or 27" (+/- 1/2" Adjustment)</p>		
		<p>Adjustable Cable 48", 120", 240", 300" or 360" (Infinite adjustment along entire length of cable)</p>		

Notes: ¹ Due to various constraints, some options may not be combined with others. For complete product data, refer to the Neo-Ray Specification Binder. Specifications and dimensions subject to change without notice. Products may be modified for use in international markets. Please contact your Cooper Lighting Sales Representative for availability and ordering information.



Symbio Architectural Recessed

The exquisitely detailed louver, ultra minimal trim and the optically precise reflector harmoniously work to deliver low glare illumination to the space efficiently. The computer generated optical design results in fixture efficiencies in the high 70's and low 80 percent range with low direct glare, enabling designers to light spaces comfortably with less energy and fewer luminaires bottom line, lowering install and annual energy costs. Louver shielding options are perforated white cross blades, frosted acrylic cross blades or tannenbaum cross blades each render a unique fixture appearance. Symbio's high efficiency and well controlled light distribution has a broad range of applications such as private offices, open plan offices, conference rooms, training rooms and classrooms throughout the healthcare facility.

Symbio Architectural Recessed

- Recessed Mounting for T-grid, sheet rock ceiling and 9/16" slot T-grid.
- Can be mounted end-to-end and side-to-side
- 20 gauge steel housing
- 24 gauge steel reflector
- Baked on low gloss, white, powder coated acrylic finish
- 2' x 2', 2' x 4' fixture configurations
- Louver shielding options: perforated, frosted acrylic or tannenbaum cross blades
- T5, T5HO lamps (not by NEO-RAY)
- Consult factory for dimming and emergency options
- UL Listed, cUL Listed

Construction

20-gauge steel housing.

Shielding

Louver shielding options: white perforated metal, frosted acrylic or tannenbaum cross blades.

Electrical

120, 277, 347 or Universal Voltage electronic ballast. Fixtures and electrical components certified to UL and cUL standards.

Finish

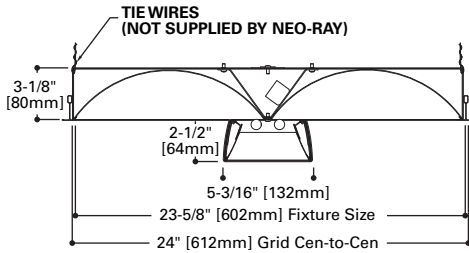
Durable, low gloss, white, powder coated acrylic finish.

Mounting

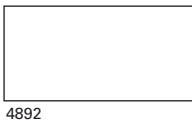
Recessed.



Tannenbaum Reflector



STANDARD LUMINAIRE PLAN - VIEW - VIEW



24" x 48"
(610mm x 1219mm)
NOMINAL
(1, 2 or 3 Lamps)

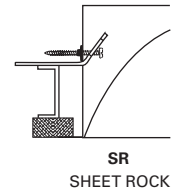
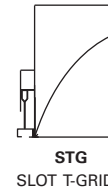
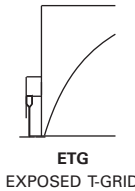
4892



24" x 24"
(610mm x 610mm)
NOMINAL
(1, 2 or 3 Lamps)

2492

MOUNTING INFORMATION

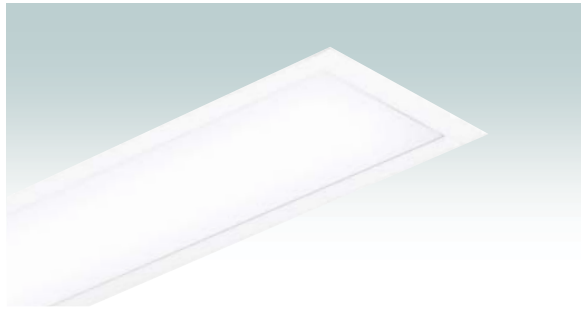


Ordering Information

SAMPLE NUMBER: 2492R-2T5HO-SR-2EB-SI-S17G

<p>Series 2492=Symbio 2X2 4892=Symbio 2X4</p>	<p>Mounting R=Recessed</p>	<p>Ceiling Type ETG=Exposed T-Grid STG=Slot T-Grid SR=Sheet Rock</p>	<p>Ballast EB=Electronic Ballast (Standard) DB=Dimming Ballast</p>	<p>Standard EM Pack EM=Emergency Pack (Consult Factory)</p>
<p>Options A=Air Return C=Chicago Plenum T=Tannenbaum Reflector</p>	<p>Number of Lamps (per cross section) (not included) 2=2 Lamps</p>	<p>Voltage 1=120V 2=277V 3=347V U=Universal</p>	<p>Switching SI=Single Switching DU=Dual Switching</p>	<p>Shielding Option S17=White Louver Perforated Metal Blades S17A=White Louver with Perforated Metal Blades and Acrylic Overlay S17B=White Louver with Frosted Acrylic Blades S17C=White Louver with Frosted Acrylic Blades and Acrylic Overlay S17F=1100G Satin Aluminum Louver with Tannenbaum Blades S17G=1100G Satin Aluminum Louver with Tannenbaum Blades and Acrylic Overlay</p>

Notes: ¹ Due to various constraints, some options may not be combined with others. For complete product data, refer to the Neo-Ray Specification Binder. Specifications and dimensions subject to change without notice. Products may be modified for use in international markets. Please contact your Cooper Lighting Sales Representative for availability and ordering information.



Straight & Narrow 22DR Recessed

A return to simplicity, elegance and minimalism. Slender lines of unbroken light set in an architectural environment are what the essence of Straight and Narrow is all about. Accommodates most architectural lighting design applications.

- T5 or T5HO lamps
- Straight and Narrow embodies Neo-Ray's critical attention to architectural detail as well as lighting performance
- Continuous and unbroken light
- Extruded aluminum housing offers precise in-line appearance
- Runs are provided to nearest foot

Straight & Narrow 22DR Recessed

Construction:

Extruded aluminum housing. Nominal 3', 4', 6' or 8' illuminated sections.

Shielding:

Trimless, snap-in, white, high transmission, acrylic diffuser. Snap-in high performance semispecular or white parabolic louver.

Electrical:

120, 277 or Universal Voltage electronic ballast. Fixtures and electrical components certified to UL and cUL standards.

Finish:

Durable, low gloss, white, powder coated acrylic. Optional custom finish.

Mounting:

(ETF) Exposed T-grid 15/16" (STG) Screw Slot Grid 9/16" (SR) Sheet Rock

OPTICAL OPTIONS



High Performance Louver



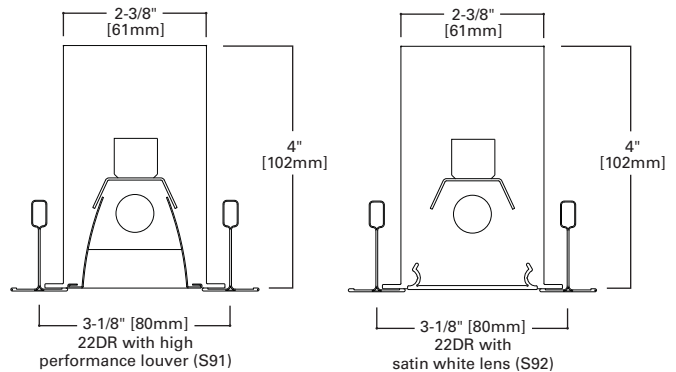
Satin White Lens



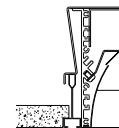
Continuous Line



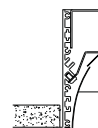
Corner Detail (sheetrock only)



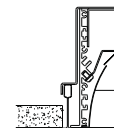
MOUNTING INFORMATION



STG
9/16" Screw Slot T-Grid Mounting



SR
Sheet Rock Mounting



ETG
15/16" Flat-T-Grid Mounting

Ordering Information

SAMPLE NUMBER: 22DR-1T5HO-ETG4D-1EB-SI-EM-GLR-S291

<p>Series 22=Straight & Narrow</p>	<p>No of Lamps (not included) 1=1 Lamp</p>	<p>Length 3=3 ft 4=4 ft 6=6 ft 8=8 ft XX=Continuous Runs</p>	<p>Voltage 1=120V 2=277V U=Universal</p>	<p>Emergency EM=Emergency Pack (consult factory)¹</p>	<p>Louver Options S91=High Performance Louver S91W=White Louver S91P=High Performance Louver with Acrylic Overlay S91WP=White Louver with Acrylic Overlay S92=Satin White Lens</p>
<p>Light Output D=Direct</p>	<p>Lamp Type T5 T5HO</p>	<p>Ballast EB=Electronic Ballast (standard) DB=Dimming Ballast</p>	<p>Fusing GLR GMF</p>	<p>Switching Options SI=Single Switching</p>	
<p>Mounting R=Recessed</p>	<p>Ceiling Type ETG=15/16" Exposed T-Grid STG=Screw Slot T-Grid SR=Sheet Rock FSR=Sheet Rock Flangeless FTG=9/16" Exposed T-Grid</p>				

Notes: ¹ Required voltage information For some electronic, dimming and EM battery pack ballast combinations, fixture has space limitation (consult factory) Due to various constraints, some options may not be combined with others Please consult your COOPER Lighting representative for additional information For complete product data, refer to the Neo-Ray Specification Binder Specifications and dimensions subject to change without notice Products may be modified for use in international markets Please contact your Cooper Lighting Sales Representative for availability and ordering information



Straight & Narrow 23DR Recessed

A return to simplicity, elegance and minimalism. Slender lines of unbroken light set in an architectural environment are what the essence of Straight and Narrow is all about. Accommodates most architectural lighting design applications.

- T8, T5 or T5HO lamps
- Straight and Narrow embodies Neo-Ray's critical attention to architectural detail as well as lighting performance
- Continuous and unbroken light
- Extruded aluminum housing offers precise in-line appearance
- Runs are provided to nearest foot

Straight & Narrow 23DR Recessed

Construction

20 gauge steel housing.

Shielding

Louver shielding options: white perforated metal, frosted acrylic or Tannenbaum cross blades.

Electrical

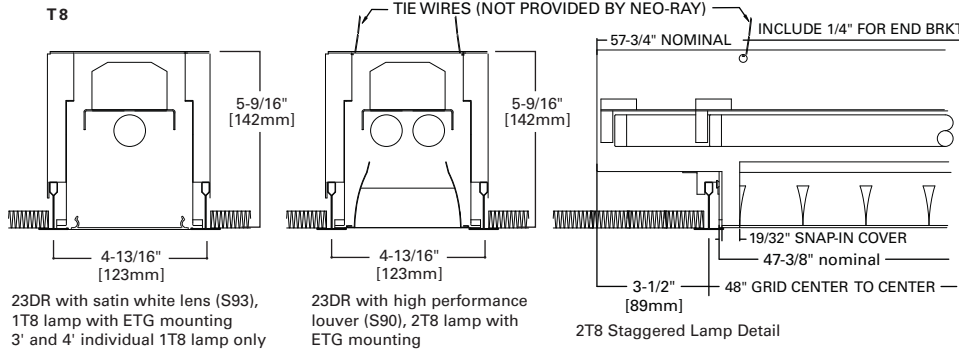
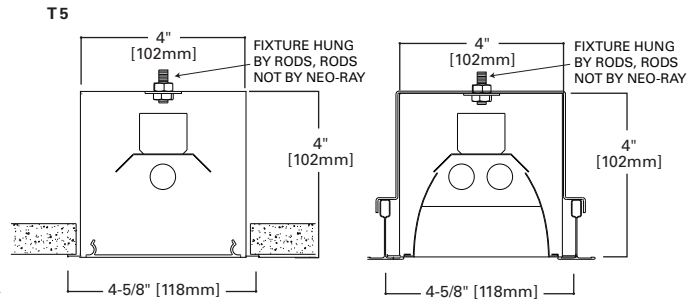
120, 277, 347 or Universal Voltage electronic ballast. Fixtures and electrical components certified to UL and cUL standards.

Finish

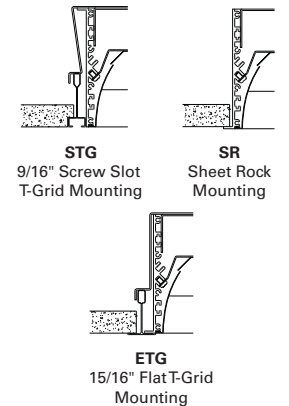
Durable, low gloss, white, powder coated acrylic finish.

Mounting

Recessed



MOUNTING INFORMATION



Ordering Information

SAMPLE NUMBER: 23DR-1T5-ETG4D-1EB-SI-EM-GLR-S22R-2MR16W20F1

Series 23=Straight & Narrow	No of Lamps (not included) 1=1 Lamp 2=2 Lamps	Length 3=3 ft 4=4 ft 6=6 ft 8=8 ft XX=Continuous Runs	Section D=Individual I=Intermediate B=Beginning of Run E=End of Run	Ballast¹ EB=Electronic Ballast (standard) DB=Dimming Ballast	Emergency EM=Emergency Pack (consult factory) ¹	Downlight Options² 2MR16W20=Halogen MR16 lamp 20W (fixed) 2MR16W20A=Halogen MR16 lamp 20W (adjustable)
Light Output D=Direct	Lamp Type T5 T5HO T8	Voltage 1=120V 2=277V 3=347V U=Universal	Switching Options SI=Single Switching DU=Dual Switching	Fusing GLR GMF	Louver Options S91=High Performance Louver S91W=White Louver S91P=High Performance Louver with Acrylic Overlay S91WP=White Louver with Acrylic Overlay S92=Satin White Lens	Optional Accessory (Downlight only) F1=Hex Cell Louver F2=Prismatic Spread Lens F3=Linear Spread Lens F4=Milk White Lens F5=Red Color Filter F6=Blue Color Filter
Mounting R=Recessed RDL=Recessed with Downlight	Ceiling Type ETG=15/16" Exposed T-Grid STG=Screw Slot T-Grid SR=Sheet Rock FSR=Sheet Rock Flangeless FTG=9/16" Exposed T-Grid					

Notes: ¹ Required voltage information For some electronic, dimming and EM battery pack ballast combinations, fixture has space limitation (consult factory) Due to various constraints, some options may not be combined with others Please consult your COOPER Lighting representative for additional information For complete product data, refer to the Neo-Ray Specification Binder Specifications and dimensions subject to change without notice Products may be modified for use in international markets Please contact your Cooper Lighting Sales Representative for availability and ordering information



line Series 1.5 LED-based Linear Floodlight

io Lighting's line Series 1.5 is approximately 1.5" in diameter. UL listed for wet locations, this LED-based linear floodlight produces functional luminous intensities for lighting bridges and building facades. Ideal for grazing and accent illumination, individual units may be placed end to end to create continuous rows without obvious shadows between fixtures. LEDs are similar to halogen light sources in that they are point sources that can reveal superior definition to textural surfaces and sparkle to reflective surfaces. Series 1.5 is a low voltage linear luminaire that may be ordered in incremental nominal lengths that include: 18", 36". Optional beam spreads along the perpendicular axis of the fixture include 10°, 45° and 65°.

line Series 1.5 LED-based Linear Floodlight

Light Output

line Series 1.5 is available with two lumen outputs for white light only. Red, green and blue are available in high output only. IES format files may be obtained from the factory or downloaded from www.iolighting.com.

Standard Output:
3000K White: 34 lms/ft
5000K White: 40 lms/ft

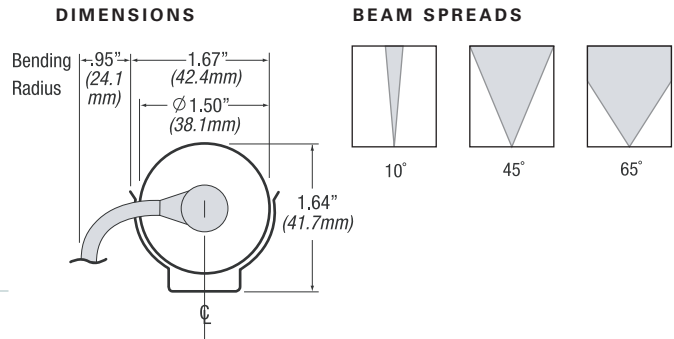
High Output:
3000K White: 170 lms/ft
5000K White: 230 lms/ft

Power Consumption

Standard Output: 2.1 w/ft

High Output: 7.6 w/ft

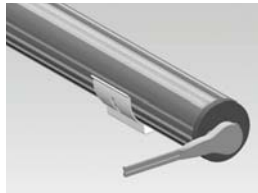
Power consumption does not include power supply losses. Consult io driver specification sheets (at www.iolighting.com) for losses associated with each driver option.



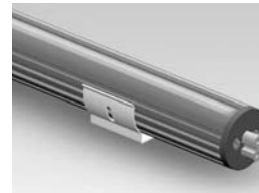
ELECTRICAL FEEDS



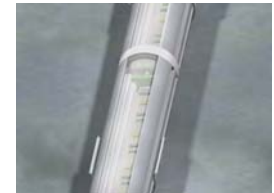
2 End Feed



3 Right Side Feed



Interconnector
(For continuous row mounting)



Interconnect plug connection is used for daisy chaining

Ordering Information

0	10	E								
io	1	2	3	4	5	6	7	8	9	10

1 LIGHT OUTPUT

10 15 SO or HO

2 LOCATION

E Exterior

3 COLOR

3K White 3000K (Standard)¹
3KHO White 3000K (High Output)¹
5K White 5000K (Standard)¹
5KHO White 5000K (High Output)¹
R Red²
G Green²
B Blue²

4 DISTRIBUTION

10 10 Degree
45 45 Degree
65 65 Degree

5 MOUNTING

100 Surface

Note: Universal mounting bracket may be used for all mounting orientations. Set screw locks in aim angle.

6 FINISH

1 Anodized Aluminum
2 Anodized Custom Color

7 LENGTH

UNITS (ACTUAL)
18 18" (18 25")
IP56 Lens face up or down³
36 36" (35 25")
IP55 Lens face down³

FOR CONTINUOUS ROW

Specify length (e.g., 96'-0")
Note: Overall length must be divisible by 18"

8 ELECTRICAL FEED

2 End Feed
3 Right Side Feed

Note: For straight continuous rows fed by one driver, interconnects will be supplied as required.

9 VOLTAGE/DIMMING

1 120V
2 277V
3 120V w/dim
4 277V w/dim
5 Other

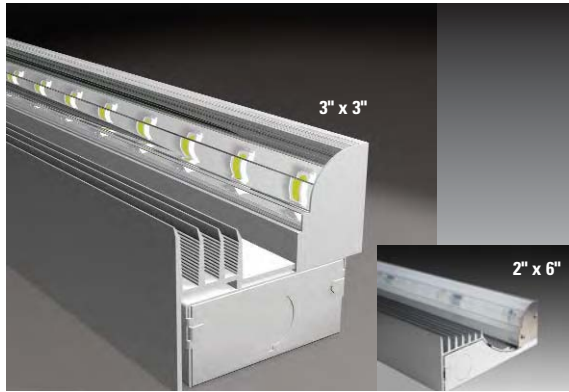
10 SPECIFY DRIVER/DIMMING

Note: If left blank, io will supply 100 watt drivers. Download Power Supply specification sheet from www.iolighting.com

Footnotes:

- 1 White light variance between LEDs within a single fixture will not exceed +/- 200K
- 2 Refer to conversion table for output. High Output only (76 w/ft)
- 3 18" lengths may be installed in face up or face down applications. 36", 54" and 72" lengths may be installed in face down applications only

For Metric Conversion	1"	1"	1"
	25.4mm	2.54cm	0.3m



raye LED-based Luminaire

Light Output

IES format files may be obtained from the factory or downloaded from www.iolighting.com

Standard Output:

3000K White: 213 lms/ft
5000K White: 300 lms/ft

High Output:

3000K White: 320 lms/ft
5000K White: 450 lms/ft

Power Consumption

Standard Output: 12 w/ft

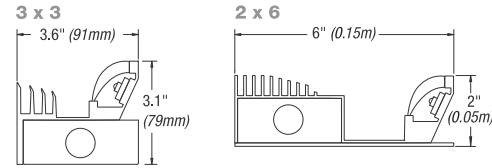
High Output: 17.8 w/ft

Power consumption does not include power supply losses.

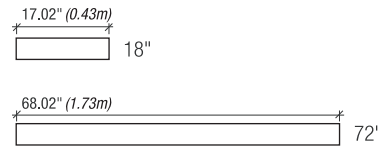
raye LED-based Luminaire

io Lighting's raye is designed for cove and wall slot applications. Two cross sectional profiles are available: 3" h x 3.6" w and 2" h x 6" w. raye is ideal for applications where spatial conditions are limited but functional light is required. This low voltage LED-based luminaire offers two luminous intensities for a variety of architectural lighting requirements. raye's optical assembly has been designed to uniformly illuminate the interior surfaces of the cove for a clean appearance, while offering a very precise asymmetric beam projection. raye is perfect for delivering light at low angles for shallow cove and wall slot conditions. Individual units may be placed end to end without socket shadows, offering a uniform distribution of light along an architectural reveal. io ensures that each LED is driven with the proper current and voltage, which enables the average rated life to be 50,000 hours at 70% of the lamp lumen output. To ensure proper performance, architectural details should allow for ventilation and air flow around the fixture. Ambient temperature surrounding the fixture shall not exceed 120°F (48.9°C).

DIMENSIONS



LENGTHS



Ordering Information

0	08			1		
io	1	2	3	4	5	6

1	SERIES	3	MOUNTING	5	LENGTH	6	VOLTAGE/DIMMING
08	raye	C33	Cove 3" x 3"		UNITS (ACTUAL)	1	120V
2	COLOR	C26	Cove 2" x 6"	18	18" (1702")	2	277V
3K	White 3000K (Standard) ¹	W33	Wall Slot 3" x 3"	72	72" (68 02")	3	120V w/dim
3KHO	White 3000K (High Output) ¹	W26	Wall Slot 2" x 6"			4	277V w/dim
5K	White 5000K (Standard) ¹	4	FINISH		CONTINUOUS ROWS	5	Other
5KHO	White 5000K (High Output) ¹	1	Anodized Aluminum		For continuous rows specify length (e.g., 50'-0" must be multiples of 72" and 18" lengths)		
R	Red ²						
G	Green ²						
B	Blue ²						

Footnotes:
1 White light variance between LEDs within a single fixture will not exceed +/- 200K
2 Colors are available in Standard Output only (10w/ft)

For Metric Conversion	1"	1"	1"
	25.4mm	2.54cm	0.3m



plane Marker LED-based Luminaire

Light Output

Reference detail section at www.iolighting.com for more information on luminous distribution for all LED colors of light.

Construction

The .66" deep tile frame is anodized extruded aluminum and houses an acrylic lens. Gypsum board recessed housing frame is extruded aluminum and provides a flangeless edge condition. All recessed and surface mounted housings come standard with bar/joist hangers and junction boxes.

Electrical

120v or 277v energy saving current limiting Class 2 power supply (driver) is located within 1-1/2" or 2-1/8" deep, 4" octagonal junction box.

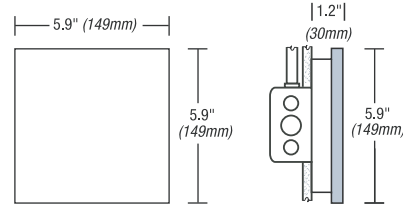
Power Consumption

Standard Output: 6.4 w

plane Marker LED-based Luminaire

The plane marker is an LED-based luminaire that casts light from the edge of the housing, creating the illusion of a "floating plane." Outdoor applications include building and bridge demarcation. Excellent for interior applications where ambient illumination levels typically do not compete (e.g. restaurants, clubs and some retail). plane mounts directly to a junction box for wall mount applications. UL listed for wet/damp locations.

DIMENSIONS

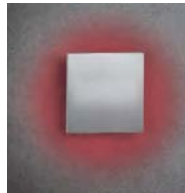


COLOR OPTIONS

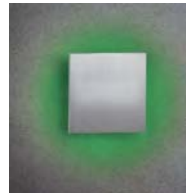
Perimeter Color



White



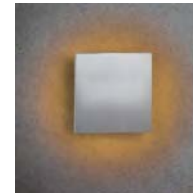
Red



Green



Blue



Amber

Ordering Information



1 PRODUCT FAMILY

01 Plane

2 TYPE

M Marker

3 PERIMETER COLOR

3K Warm White

5K Cool White

R Red

G Green

B Blue

A Amber

C Custom

4 MOUNTING

100 J-Box

999 Custom

5 FINISH

METAL CASTING (PAINTED)

1 Black

2 Bronze

3 Satin Aluminum

4 White

METAL CASTING (PLATED)

INTERIOR APPLICATIONS ONLY

5 Satin Nickel

6 Chrome

7 Satin Brass

STAINLESS STEEL

8 Brushed

CUSTOM COLOR

9 Custom

6 VOLTAGE/DIMMING

0 120V

1 277V

Note: Dimming not available

For Metric Conversion	1"	1"	1"
	25.4mm	2.54cm	0.3m



plane Custom Signage LED-based Luminaire

Light Output

plane signage may be used for interior or exterior applications. Numerals and logos are very legible in both light and dark environments. Samples are available for mock-ups.

Construction

Environmentally sealed enclosed and gasketed 5.9" sq. corrosion resistant metal casting (stainless steel optional). Mounts directly to a UV stable, optically clear, high strength polycarbonate housing. Acrylic sign is laser etched for custom sign configuration. LED luminaire module contained within the housing is replaceable. Customer to provide camera ready art. Contact your local io representative for signage order placement.

Electrical

120v or 277v energy saving current limiting Class 2 power supply (driver) is located within a 1-1/2" or 2-1/8" deep, 4" octagonal junction box.

Power Consumption

Standard Output: 2.2 w

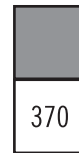
plane Custom Signage LED-based Luminaire

This configuration of plane is an LED-based luminaire that offers custom signage solutions for exterior and interior architectural applications. Numeric addresses and/or logos are easily created, exploiting the finest details. plane mounts directly to a junction box for wall mount applications. UL listed for wet/damp locations.

ORIENTATION OPTIONS



Right Horizontal



Bottom Vertical

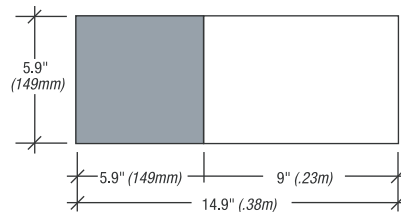
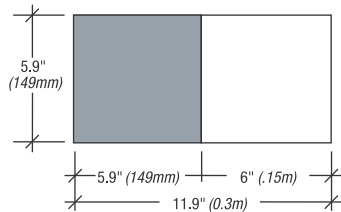


Left Horizontal



Top Vertical

DIMENSIONS



Ordering Information



1 PRODUCT FAMILY

01 Plane

2 TYPE

SGA 6"

SGB 9"

3 ORIENTATION

RH Right Horizontal

LF Left Horizontal

BV Bottom Vertical

TV Top Vertical

4 EDGELIT COLOR

3K Warm White

5K Cool White

R Red

G Green

B Blue

A Amber

C Custom

5 MOUNTING

100 J-Box

999 Custom

6 FINISH

METAL CASTING (PAINTED)

1 Black

2 Bronze

3 Satin Aluminum

4 White

METAL CASTING (PLATED)

INTERIOR APPLICATIONS ONLY

5 Satin Nickel

6 Chrome

7 Satin Brass

STAINLESS STEEL

8 Brushed

CUSTOM COLOR

9 Custom

7 VOLTAGE

0 120V

1 277V

Note: Dimming not available

For Metric Conversion	1"	1"	1"
	25.4mm	2.54cm	0.3m



tile 5" and 10" Square Luminous Tiles

Light Output

tile is designed to be used as a decorative accent luminaire. While lumen output is negligible, perceived brightness is substantial. io recommends reviewing samples prior to specification. Contact your local io representative to review samples.

Construction

The .66" deep tile frame is anodized extruded aluminum and houses an acrylic lens. Gypsum board recessed housing frame is extruded aluminum and provides a flangeless edge condition. All recessed and surface mounted housings come standard with bar/joist hangers and junction boxes.

Electrical

120v - 277v energy saving current limiting Class 2 power supply (driver) is provided by io and is located within the junction box.

Power Consumption

5 x 5: 8 watts

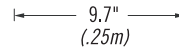
10 x 10: 10 watts

tile 5" and 10" Square Luminous Tiles

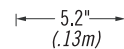
Recessed and surface mounted, 5" and 10" square luminous tiles may be mounted to either gypsum board walls and ceilings or acoustical tile ceilings. Six standard color options along with a plethora of custom colors offer designers a variety of design opportunities for interior applications. tile may also be customized with graphic inserts for a "signage option." tile is ideal for spaces where color is specified to provide visual cues, emphasize brand identity or simply artistic expression. tile may also be used for signage applications. Graphics may be emailed to io for insertion into the tile.

DIMENSIONS

10 x 10

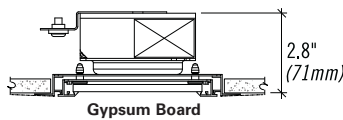
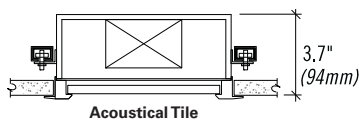


5 x 5

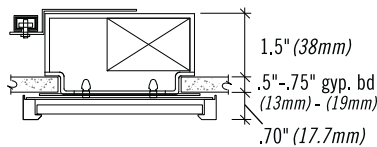


MOUNTING OPTIONS

Recessed



Surface Mount



Ordering Information

0	02						
io	1	2	3	4	5	6	7

- 1 PRODUCT FAMILY**
- 02 Tile
- 2 TYPE**
- 5 5" x 5"
- 10 10" x 10"
- C Custom¹

- 3 COLOR**
- R Red
- G Green
- B Blue
- A Amber
- FB Frost Blue
- FG Frost Green
- CC Custom Color

- 4 MOUNTING**
- 100 Surface Mounted Gyp Board (Ceiling or Wall)
- 101 Surface Mounted Acoustical Tile Ceiling
- 200 Recessed Gyp Board (Ceiling or Wall)
- 201 Recessed Gyp Board (Ceiling or Wall)
- 202 Recessed Acoustical Tile Ceiling
- 203 Recessed Acoustical Tile Ceiling Chicago Plenum Approved

- 5 FINISH**
- 1 Anodized Aluminum
- 2 Anodized Custom Color
- 6 VOLTAGE/DIMMING**
- 0 120V
- 1 277V
- 3 240V
- 4 Other

- 7 SIGNAGE**
- M Men's Room (10x10 only)
- W Women's Room (10x10 only)
- MH Men's Handicap (10x10 only)
- WH Women's Handicap (10x10 only)
- C Custom

Footnotes:

¹ Custom sizes include 5" x 10", 5" x 14", 5" x 18", 10" x 14", 10" x 18"

For Metric Conversion	1"	1"	1"
	25.4mm	2.54cm	0.3m



luxrail Indoor/Outdoor LED-based Handrail

ANSI and ADA compliant, luxrail is an indoor/outdoor LED-based handrail that delivers functional illumination. Two intensities may be specified: standard output and high output. The standard light output version delivers illuminance levels appropriate for exterior applications (2 footcandles at grade) as well as for dark interior environments with low ambient illumination levels.

luxrail Indoor/Outdoor LED-based Handrail

Light Output

Two luminous intensities are available for white light. IES format files may be obtained from the factory or downloaded from www.iolighting.com.

Standard Output:
3000K White: 34 lms/ft
5000K White: 40 lms/ft

High Output:
3000K White: 170 lms/ft
5000K White: 230 lms/ft

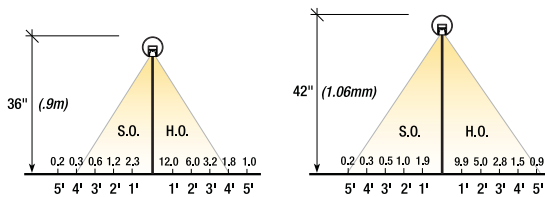
Power Consumption

Standard Output: 2.1 w/ft

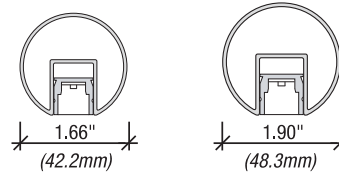
High Output: 7.6 w/ft

Power consumption does not include power supply losses. Consult io driver specification sheets (at www.iolighting.com) for losses associated with each driver option.

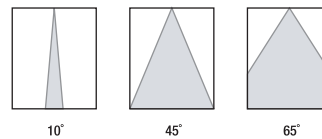
LIGHT OUTPUT - 65 DEGREE WARM WHITE



DIMENSIONS



BEAM SPREADS



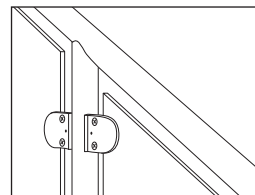
MOUNTING / INFILL OPTIONS



PM (post mounted)



WM (wall mount intermediate)



Glass Infill
(glass provided by others)



Stainless steel cable infill

Ordering Information

0	06									
io	1	2	3	4	5	6	7	8	9	10

1 PRODUCT FAMILY

06 Luxrail

2 ALLOY/FINISH

SSS Stainless Steel Satin
SSP Stainless Steel Polished
CAA Clear Anodized Aluminum⁷

3 SIZE

1 1.66" O.D (1-1/4" pipe size)⁷
(available for SS & CAA)
2 1.90" O.D (1-1/2" pipe size)⁷
(available for SS & CAA)

Footnotes:

1 White light variance between LEDs within a single fixture will not exceed +/- 200K
2 Refer to conversion table for output High Output only (76 w/ft)
3 18" lengths may be installed in face up or face down applications 36", 54" and 72" lengths may be installed in face down applications only

4 MOUNTING

PM Post Mounted⁷
WM Wall or Guard Rail Mounted

5 INFILL

AC Aircraft Cable⁵
GL Glass (provided by others)
C Custom
NR Not Required

6 LIGHT DISTRIBUTION

10 10 Degree
45 45 Degree
65 65 Degree
NI Handrail only (not illuminated)

7 LIGHT COLOR

3K Warm White³
5K Cool White³
3KHO Warm White³
5KHO Cool White³
R Red
G Green
B Blue

8 LENGTH

Provide overall length of each handrail section
Reference Footnote #2³

9 VOLTAGE/DIMMING

1 120V
2 277V
3 120V w/dim
4 277V w/dim
5 Other

10 SPECIFY DRIVER/DIMMING

Note: If left blank, io will supply 100 watt drivers,
Download Power Supply specification sheet from
www.iolighting.com

For Metric Conversion	1"	1"	1"
	25.4mm	2.54cm	0.3m



C-Scroll Wall

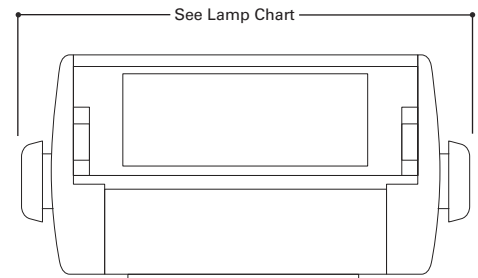
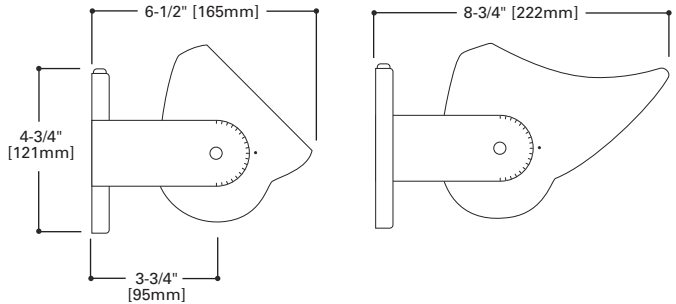
- MRI compliant
- Extruded aluminum housing
- Die-cast aluminum end caps
- Integrated visor option - solid, perf or opal window
- Die-formed 94% reflective dual-finish anodized aluminum reflector
- Electrostatically applied polyester powder coat paint finish
- Gasketed hinging doorframe
- PointGrab™ adjustment

See website for complete product offering

C-Scroll Wall

Housing is 6063 aluminum extrusion with die-cast aluminum end caps without exposed fasteners. Hinging doorframe for easy access to gasketed lamp compartment, and stainless steel hardware. Optional integrated extruded aluminum cutoff visor: Die-formed 94% reflective dual-finish anodized aluminum. PointGrab adjustable and lockable aiming system is preset at the factory (25 degrees max. cp. above horizontal). Additional 10-degree indicator marks allow for precise adjustments. Clear tempered glass, micro-prismatic tempered glass or optional U.V. glass (Small only). Use 90-degree supply wire. Tungsten - DC Bayonet (Small), Tungsten - RSC (Large), Standard canopy mounts over recessed junction box (by others). Support structure by others. Luminaire housing is finished using electrostatically applied polyester powder coat paint. Consult factory for custom colors. UL and cUL listed for damp locations.

C-Scroll Small Wall (SI)



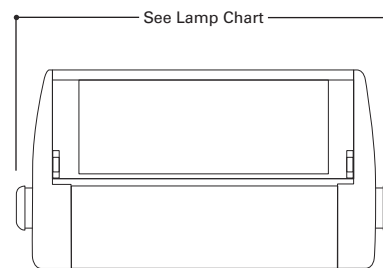
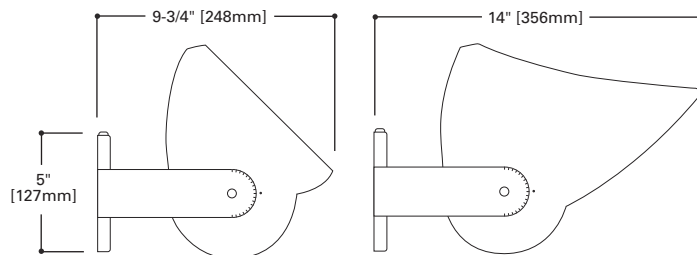
Lamp Chart (C-Scroll Wall Small)

Source	Wattage	Length
Tungsten	100	10-3/4"
	150	12-3/4"
	250	12-3/4"

Lamp Chart (C-Scroll Wall Large)

Source	Wattage	Length
Tungsten	350/500	22-1/2"
	900/1000	30-1/2"

C-Scroll Large Wall (LI)



Ordering Information

SAMPLE NUMBER: SO-SI-P-1-T-250-120-W-YR

Product MRI-SN=C-Scroll No Visor MRI-SS=C-Scroll Solid Visor MRI-SP=C-Scroll Perf Visor MRI-SO=C-Scroll Opal Visor	Lens P=Micro-Prismatic C=Clear U=U V (SI only)	Wattage Small (SI) 100=100W 150=150W 250=250W Large (LI) 350=350W 500=500W 900=900W 01K=1000W	Voltage 120=120V	Finish W=White S=Silver B=Bronze C=Custom	Options L45=45° Cross Blade Louver L25=25° Cross Blade Louver
Size - In/Outdoor SI=Small Indoor LI=Large Indoor	Number of Lamps 1=1 Lamp			Mounting YR=Yoke / Remote	
	Lamp Type T=Tungston Halogen				

Notes: For additional options, consult your Cooper Lighting Representative. Specifications and dimensions subject to change without notice.



C-Scroll Ceiling

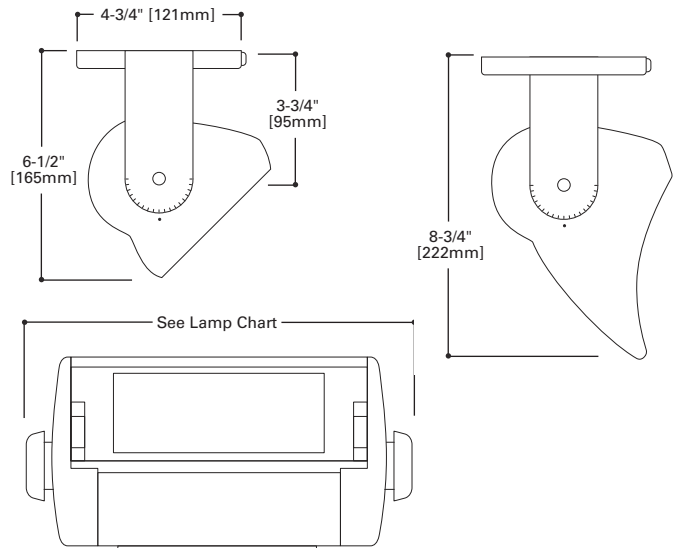
Housing is 6063 aluminum extrusion with die-cast aluminum end caps without exposed fasteners. Hinging doorframe for easy access to gasketed lamp compartment, and stainless steel hardware. Optional integrated extruded aluminum cutoff visor: Die-formed 94% reflective dual-finish anodized aluminum. PointGrab adjustable and lockable aiming system is preset at the factory (25 degrees max. cp. above nadir). Additional 10-degree indicator marks allow for precise adjustments. Clear tempered glass, micro-prismatic tempered glass or optional U.V. glass (Small). Use 90-degree supply wire. Tungsten - DC Bayonet (Small), Tungsten - RSC (Large). Standard canopy mounts over recessed junction box (by others). Support structure by others. Luminaire housing is finished using electrostatically applied polyester powder coat paint. Consult factory for custom colors. UL and cUL listed for damp locations.

C-Scroll Ceiling

- MRI compliant
- Extruded aluminum housing
- Die-cast aluminum end caps
- Integrated visor option - solid, perf or opal window
- Die-formed 94% reflective dual-finish anodized aluminum reflector
- Electrostatically applied polyester powder coat paint finish
- Gasketed hinging doorframe
- PointGrab™ adjustment

See website for complete product offering

C-Scroll Small Ceiling (SI)



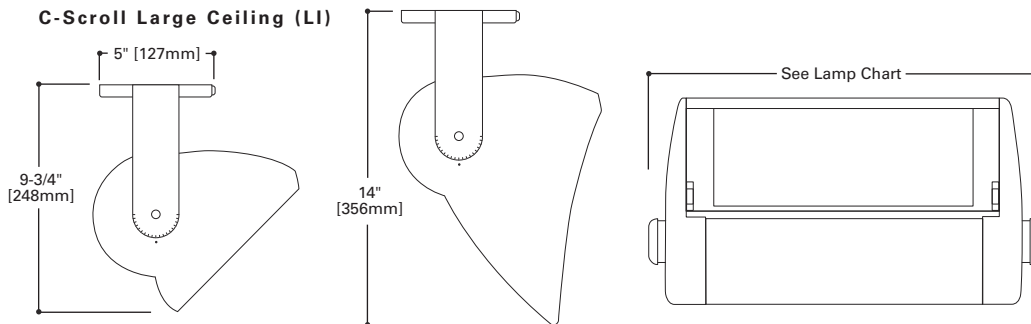
Lamp Chart (C-Scroll Ceiling Small)

Source	Wattage	Length
Tungsten	100	10-3/4"
	150	12-3/4"
	250	12-3/4"

Lamp Chart (C-Scroll Ceiling Large)

Source	Wattage	Length
Tungsten	350/500	22-1/2"
	900/1000	30-1/2"

C-Scroll Large Ceiling (LI)

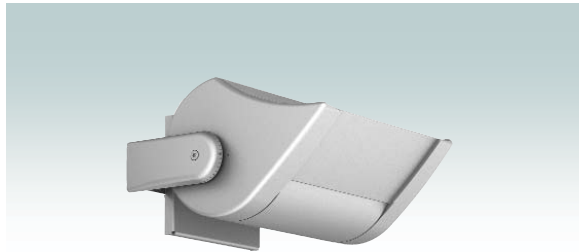


Ordering Information

SAMPLE NUMBER: SO-SI-P-1-T-100-120-W-YR

Product MRI-SN=C-Scroll No Visor MRI-SS=C-Scroll Solid Visor MRI-SP=C-Scroll Perf Visor MRI-SO=C-Scroll Opal Visor	Lens P=Micro-Prismatic C=Clear U=U V (SI only)	Wattage Small (SI) 100=100W 150=150W 250=250W Large (LI) 350=350W 500=500W 900=900W 01K=1000W	Voltage 120=120V	Finish W=White S=Silver B=Bronze C=Custom	Options L45=45° Cross Blade Louver L25=25° Cross Blade Louver
Size - In/Outdoor SI=Small Indoor LI=Large Indoor	Number of Lamps 1=1 Lamp			Mounting YR=Yoke / Remote	
	Lamp Type T=Tungsten Halogen				

Notes: For additional options, consult your Cooper Lighting Representative. Specifications and dimensions subject to change without notice.



Roundel Wall

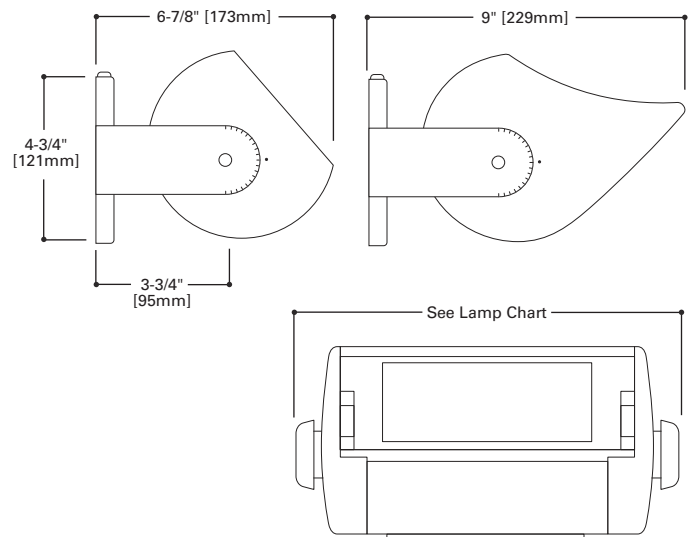
- MRI compliant
- Extruded aluminum housing
- Die-cast aluminum end caps
- Integrated visor option - solid, perf or opal window
- Die-formed 94% reflective dual-finish anodized aluminum reflector
- Electrostatically applied polyester powder coat paint finish
- Gasketed hinging doorframe
- PointGrab™ adjustment

See website for complete product offering

Roundel Wall

Housing is 6063 aluminum extrusion with die-cast aluminum end caps without exposed fasteners. Hinging doorframe for easy access to gasketed lamp compartment, and stainless steel hardware. Optional integrated extruded aluminum cutoff visor. Die-formed 94% reflective dual-finish anodized aluminum. PointGrab adjustable and lockable aiming system is preset at the factory (25 degrees max. cp. above horizontal). Additional 10-degree indicator marks allow for precise adjustments. Clear tempered glass, micro-prismatic tempered glass or optional U.V. glass. Use 90-degree supply wire. Tungsten - DC Bayonet (Small), Tungsten - RSC (Large). Standard canopy mounts over recessed junction box (by others). Support structure by others. Luminaire housing is finished using electrostatically applied polyester powder coat paint. Consult factory for custom colors. UL and cUL listed for damp locations.

Roundel Small Wall (SI)



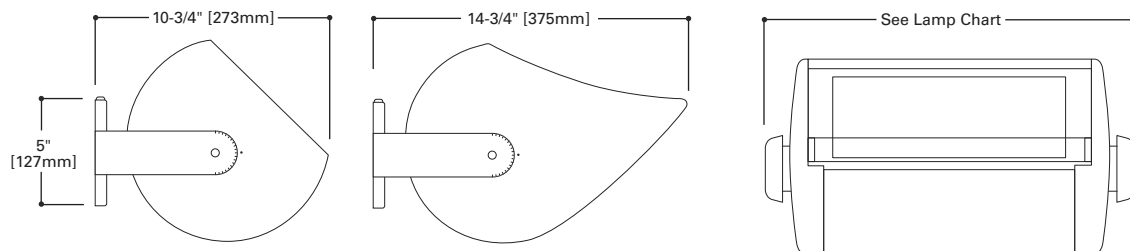
Lamp Chart (Roundel Wall Small)

Source	Wattage	Length
Tungsten	100	10-3/4"
	150	12-3/4"
	250	12-3/4"

Lamp Chart (Roundel Wall Large)

Source	Wattage	Length
Tungsten	350/500	22-1/2"
	900/1000	30-1/2"

Roundel Large Wall (LI)



Ordering Information

SAMPLE NUMBER: RO-SI-P-1-T-250-120-W-YR

Product MRI-RN=Roundel No Visor MRI-RS=Roundel Solid Visor MRI-RP=Roundel Perf Visor MRI-RO=Roundel Opal Visor	Lens P=Micro-Prismatic C=Clear U=U V (SI only)	Wattage Small (SI) 100=100W 150=150W 250=250W Large (LI) 350=350W 500=500W 900=900W 01K=1000W	Voltage 120=120V	Finish W=White S=Silver B=Bronze C=Custom	Options L45=45° Cross Blade Louver L25=25° Cross Blade Louver
Size - In/Outdoor SI=Small Indoor LI=Large Indoor	Number of Lamps 1=1 Lamp	Lamp Type T=Tungston Halogen	Mounting YR=Yoke / Remote		

Notes: For additional options, consult your Cooper Lighting Representative. Specifications and dimensions subject to change without notice.



Roundel Ceiling

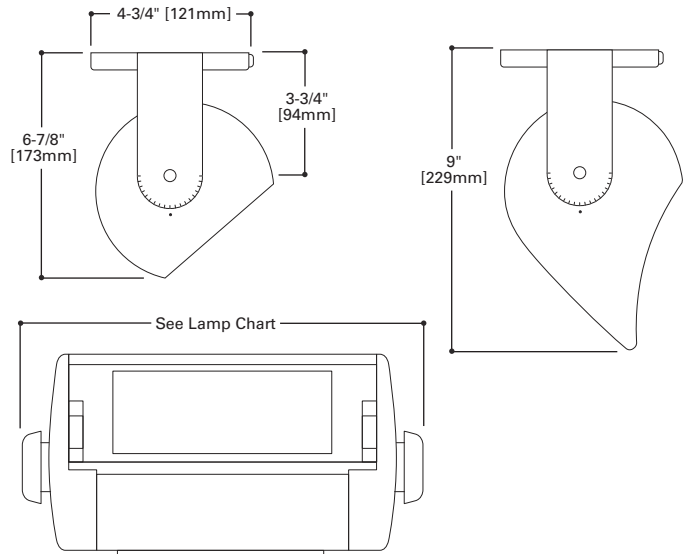
- MRI compliant
- Extruded aluminum housing
- Die-cast aluminum end caps
- Integrated visor option - solid, perf or opal window
- Die-formed 94% reflective dual-finish anodized aluminum reflector
- Electrostatically applied polyester powder coat paint finish
- Gasketed hinging doorframe
- PointGrab™ adjustment

See website for complete product offering

Roundel Ceiling

Housing is 6063 aluminum extrusion with die-cast aluminum end caps without exposed fasteners. Hinging doorframe for easy access to gasketed lamp compartment, and stainless steel hardware. Optional integrated extruded aluminum cutoff visor: Die-formed 94% reflective dual-finish anodized aluminum. PointGrab adjustable and lockable aiming system is preset at the factory (25 degrees max. cp. above nadir). Additional 10-degree indicator marks allow for precise adjustments. Clear tempered glass, micro-prismatic tempered glass or optional U.V. glass. Use 90-degree supply wire. Tungsten - DC Bayonet (Small), Tungsten - RSC (Large). Standard canopy mounts over recessed junction box (by others). Support structure by others. Luminaire housing is finished using electrostatically applied polyester powder coat paint. Consult factory for custom colors. UL and cUL listed for damp locations.

Roundel Small Ceiling (SI)



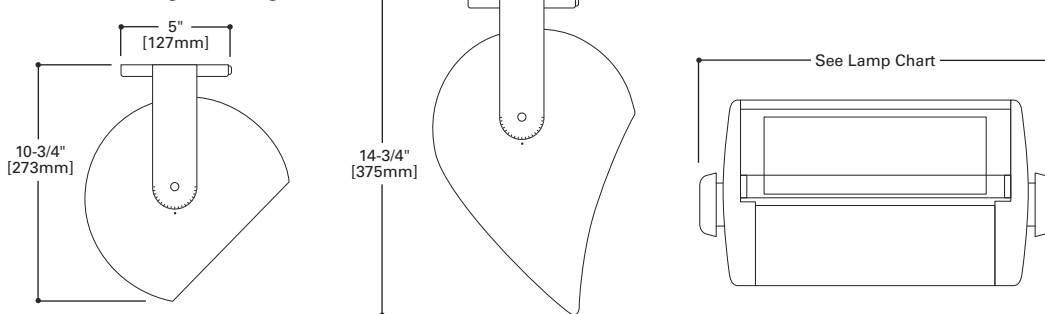
Lamp Chart (Roundel Ceiling Small)

Source	Wattage	Length
Tungsten	100	10-3/4"
	150	12-3/4"
	250	12-3/4"

Lamp Chart (Roundel Ceiling Large)

Source	Wattage	Length
Tungsten	350/500	22-1/2"
	900/1000	30-1/2"

Roundel Large Ceiling (LI)

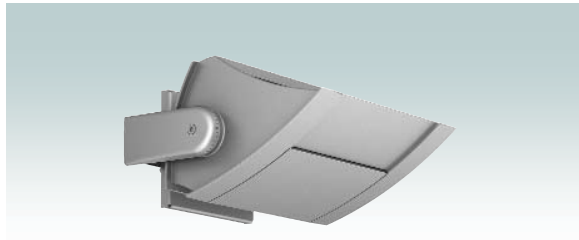


Ordering Information

SAMPLE NUMBER: RO-SI-P-1-T-100-120-W-YR

Product MRI-RN=Roundel No Visor MRI-RS=Roundel Solid Visor MRI-RP=Roundel Perf Visor MRI-RO=Roundel Opal Visor	Lens P=Micro-Prismatic C=Clear U=U V (SI only)	Wattage Small (SI) 100=100W 150=150W 250=250W Large (LI) 350=350W 500=500W 900=900W 01K=1000W	Voltage 120=120V	Finish W=White S=Silver B=Bronze C=Custom	Options L45=45° Cross Blade Louver L25=25° Cross Blade Louver
Size - In/Outdoor SI=Small Indoor LI=Large Indoor	Number of Lamps 1=1 Lamp			Mounting YR=Yoke / Remote	
	Lamp Type T=Tungston Halogen				

Notes: For additional options, consult your Cooper Lighting Representative. Specifications and dimensions subject to change without notice.



Vault Wall

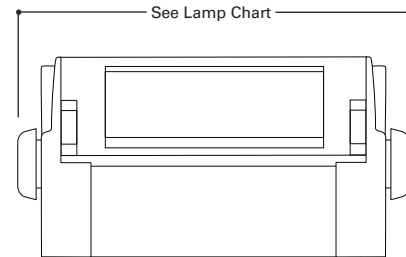
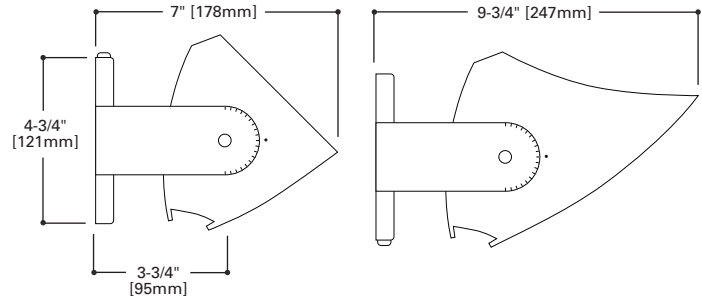
- MRI compliant
- Extruded aluminum housing
- Die-cast aluminum end caps
- Integrated visor option - solid, perf or opal window
- Die-formed 94% reflective dual-finish anodized aluminum reflector
- Electrostatically applied polyester powder coat paint finish
- Gasketed hinging doorframe
- PointGrab™ adjustment

See website for complete product offering

Vault Wall

Housing is 6063 aluminum extrusion with die-cast aluminum end caps without exposed fasteners. Hinging doorframe for easy access to gasketed lamp compartment, and stainless steel hardware. Optional integrated extruded aluminum cutoff visor: Die-formed 94% reflective dual-finish anodized aluminum. PointGrab adjustable and lockable aiming system is preset at the factory (25 degrees max. cp. above horizontal). Additional 10-degree indicator marks allow for precise adjustments. Clear tempered glass, micro-prismatic tempered glass or optional U.V. glass. Use 90-degree supply wire. Tungsten - DC Bayonet (Small), Tungsten - RSC (Large). Standard canopy mounts over recessed junction box (by others). Support structure by others. Luminaire housing is finished using electrostatically applied polyester powder coat paint. Consult factory for custom colors. UL and cUL listed for damp locations.

Vault Small Wall (SI)



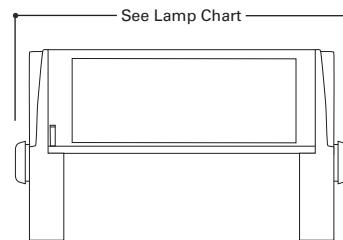
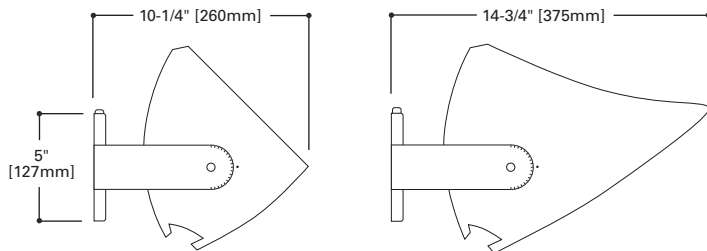
Lamp Chart (Vault Wall Small)

Source	Wattage	Length
Tungsten	100	10-3/4"
	150	12-3/4"
	250	12-3/4"

Lamp Chart (Vault Wall Large)

Source	Wattage	Length
Tungsten	350/500	22-1/2"
	900/1000	30-1/2"

Vault Large Wall (LI)

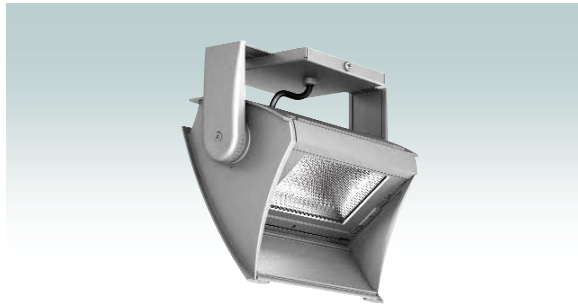


Ordering Information

SAMPLE NUMBER: VN-SI-P-1-T-150-120-W-YR

Product MRI-VN=Vault No Visor MRI-VS=Vault Solid Visor MRI-VP=Vault Perf Visor MRI-VO=Vault Opal Visor	Lens P=Micro-Prismatic C=Clear U=U V (SI only)	Wattage Small (SI) 100=100W 150=150W 250=250W Large (LI) 350=350W 500=500W 900=900W 01K=1000W	Voltage 120=120V	Finish W=White S=Silver B=Bronze C=Custom	Options L45=45° Cross Blade Louver L25=25° Cross Blade Louver
Size - In/Outdoor SI=Small Indoor LI=Large Indoor	Number of Lamps 1=1 Lamp			Mounting YR=Yoke / Remote	
	Lamp Type T=Tungston Halogen				

Notes: For additional options, consult your Cooper Lighting Representative. Specifications and dimensions subject to change without notice.



Vault Ceiling

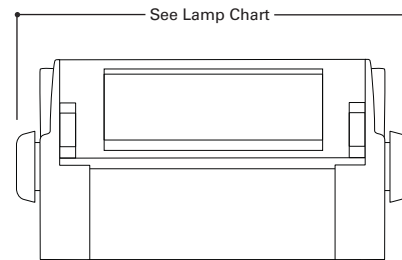
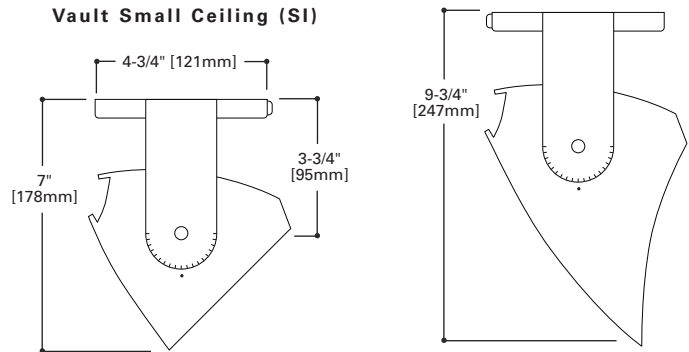
Housing is 6063 aluminum extrusion with die-cast aluminum end caps without exposed fasteners. Hinging doorframe for easy access to gasketed lamp compartment, and stainless steel hardware. Optional integrated extruded aluminum cutoff visor: Die-formed 94% reflective dual-finish anodized aluminum. PointGrab adjustable and lockable aiming system is preset at the factory (25 degrees max. cp. above nadir). Additional 10-degree indicator marks allow for precise adjustments. Clear tempered glass, micro-prismatic tempered glass or optional U.V. glass. Use 90-degree supply wire. Tungsten - DC Bayonet (Small), Tungsten - RSC (Large). Standard canopy mounts over recessed junction box (by others). Support structure by others. Luminaire housing is finished using electrostatically applied polyester powder coat paint. Consult factory for custom colors. UL and cUL listed for damp locations.

Vault Ceiling

- MRI compliant
- Extruded aluminum housing
- Die-cast aluminum end caps
- Integrated visor option - solid, perf or opal window
- Die-formed 94% reflective dual-finish anodized aluminum reflector
- Electrostatically applied polyester powder coat paint finish
- Gasketed hinging doorframe
- PointGrab™ adjustment

See website for complete product offering

Vault Small Ceiling (SI)



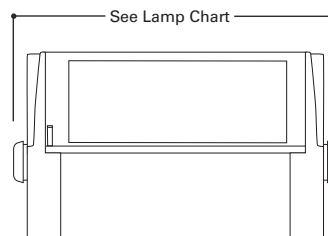
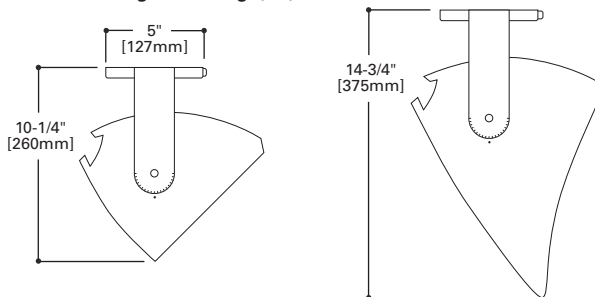
Lamp Chart (Vault Ceiling Small)

Source	Wattage	Length
Tungsten	100	10-3/4"
	150	12-3/4"
	250	12-3/4"

Lamp Chart (Vault Ceiling Large)

Source	Wattage	Length
Tungsten	350/500	22-1/2"
	900/1000	30-1/2"

Vault Large Ceiling (LI)

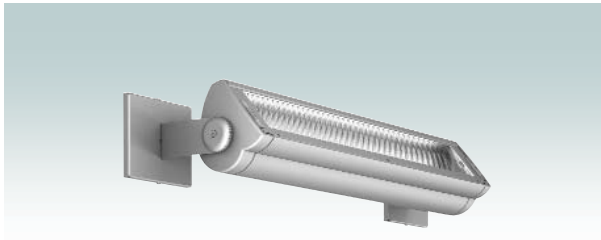


Ordering Information

SAMPLE NUMBER: VN-SI-P-1-T-250-120-W-YR

Product MRI-VN=Vault No Visor MRI-VS=Vault Solid Visor MRI-VP=Vault Perf Visor MRI-VO=Vault Opal Visor	Lens P=Micro-Prismatic C=Clear U=U V (SI only)	Wattage Small (SI) 100=100W 150=150W 250=250W Large (LI) 350=350W 500=500W 900=900W 01K=1000W	Voltage 120=120V	Finish W=White S=Silver B=Bronze C=Custom	Options L45=45° Cross Blade Louver L25=25° Cross Blade Louver
Size - In/Outdoor SI=Small Indoor LI=Large Indoor	Number of Lamps 1=1 Lamp	Lamp Type T=Tungston Halogen	Mounting YR=Yoke / Remote		

Notes: For additional options, consult your Cooper Lighting Representative. Specifications and dimensions subject to change without notice.



C-Scroll Small Integral Individual Linear Wall

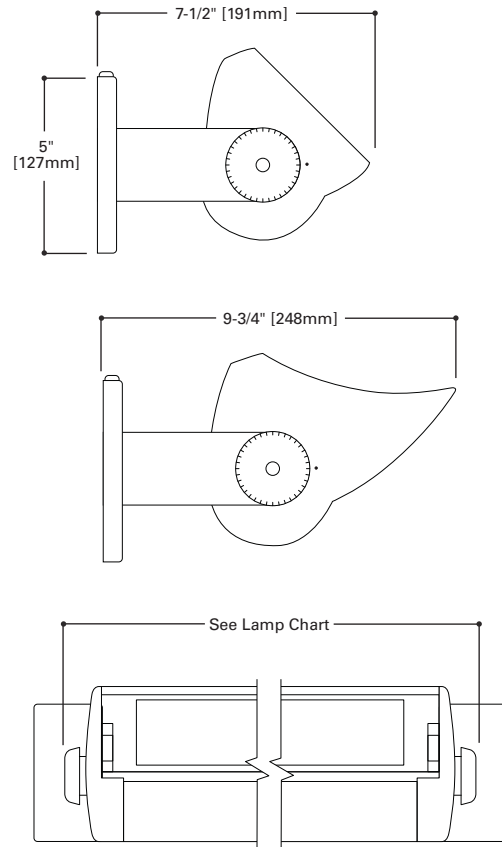
Housing is 6063 aluminum extrusion with die-cast aluminum end caps without exposed fasteners. Hinging doorframe for easy access to gasketed lamp compartment, and stainless steel hardware. Optional integrated extruded aluminum cutoff visor. Die-formed 94% reflective dual-finish anodized aluminum. PointGrab adjustable and lockable aiming system is preset at the factory (25 degrees max. cp. above horizontal). Additional 10-degree indicator marks allow for precise adjustments. Indoor: Clear acrylic lens/door assembly is standard. Aluminum doorframe with no lens, prismatic glass lens, or clear glass lens is optional. Outdoor: Gasketed aluminum doorframe with prismatic glass lens is standard. Gasketed aluminum doorframe with clear glass lens is optional. Use 90 degree supply wire. Linear Fluorescent - Medium Bi-pin and Mini Bi-pin. Ballast is integral to luminaire and includes quick-disconnect to provide a safe, reliable means of disconnecting power to the fixture during service and maintenance. Standard canopy mounts over recessed junction box (by others). Support structure by others. Luminaire housing is finished using electrostatically applied polyester powder coat paint. Consult factory for custom colors. Labels UL and cUL listed for damp locations. Optional wet location listing is available.

C-Scroll Small Integral Individual Linear Wall

- Extruded aluminum housing
- Die-cast aluminum end caps
- Integrated visor option
- Die-formed 94% reflective dual-finish anodized aluminum reflector
- Electrostatically applied polyester powder coat paint finish
- Hinging doorframe
- PointGrab™ adjustment

See website for complete product offering

C-Scroll Small Integral Individual Linear Wall



Lamp Chart (C-Scroll Small Integral Individual Linear - Wall)

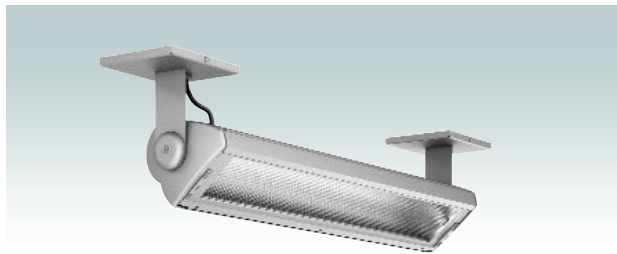
Source	Wattage	Length
T8	17	28-1/2"
	25	40-3/4"
	32	52-3/4"
T5/T5HO	14/24	28-1/2"
	21/39	40-3/4"
	28/54	52-3/4"

Ordering Information

SAMPLE NUMBER: SN-SI-C-1-F-021-120-W-YI

Product SN=C-Scroll No Visor SS=C-Scroll Solid Visor	Lens A=Acrylic ¹ N=None ² P=Micro-Prismatic ³ C=Clear	Wattage 014=14W (2' T5) 017=17W (2' T8) 021=21W (3' T5) 024=24W (2' T5HO) 025=25W (3' T8) 028=28W (4' T5) 032=32W (4' T8) 039=39W (3' T5HO) 054=54W (4' T5HO)	Voltage 120=120V 277=277V 347=347V UNV=Universal	Finish W=White S=Silver B=Bronze C=Custom	Options L45=45° Cross Blade Louver L25=25° Cross Blade Louver
Size - In/Outdoor SI=Small Indoor SO=Small Outdoor	Number of Lamps 1=1 Lamp	Lamp Type B=Battery Pack (Remote Mount) F=Fluorescent - Electronic		Mounting YI=Yoke / Integral	

Notes: ¹ Standard for indoor models For use with indoor models only ² For use with indoor models only ³ Standard for outdoor models For additional options, consult your Cooper Lighting Representative Specifications and dimensions subject to change without notice



C-Scroll Small Integral Individual Linear Ceiling

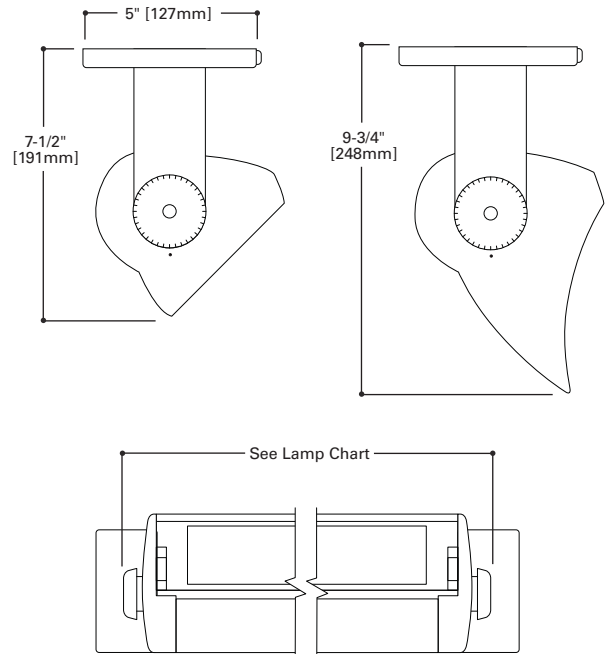
Housing is 6063 aluminum extrusion with die-cast aluminum end caps without exposed fasteners. Hinging doorframe for easy access to gasketed lamp compartment, and stainless steel hardware. Optional integrated extruded aluminum cutoff visor: Die-formed 94% reflective dual-finish anodized aluminum. PointGrab adjustable and lockable aiming system is preset at the factory (25 degrees max. cp. above nadir). Additional 10-degree indicator marks allow for precise adjustments. Indoor: Clear acrylic lens/door assembly is standard. Aluminum doorframe with no lens, prismatic glass lens, or clear glass lens is optional. Outdoor: Gasketed aluminum doorframe with prismatic glass lens is standard. Gasketed aluminum doorframe with clear glass lens is optional. Use 90 degree supply wire. Linear Fluorescent - Medium Bi-pin and Mini Bi-pin. Ballast is integral to luminaire and includes quick-disconnect to provide a safe, reliable means of disconnecting power to the fixture during service and maintenance. Standard canopy mounts over recessed junction box (by others). Support structure by others. Luminaire housing is finished using electrostatically applied polyester powder coat paint. Consult factory for custom colors. Labels UL and cUL listed for damp locations. Optional wet location listing is available.

C-Scroll Small Integral Individual Linear Ceiling

- Extruded aluminum housing
- Die-cast aluminum end caps
- Integrated visor option
- Die-formed 94% reflective dual-finish anodized aluminum reflector
- Electrostatically applied polyester powder coat paint finish
- Hinging doorframe
- PointGrab™ adjustment

See website for complete product offering

C-Scroll Small Integral Individual Linear Ceiling



Lamp Chart (C-Scroll Small Integral Individual Linear - Ceiling)

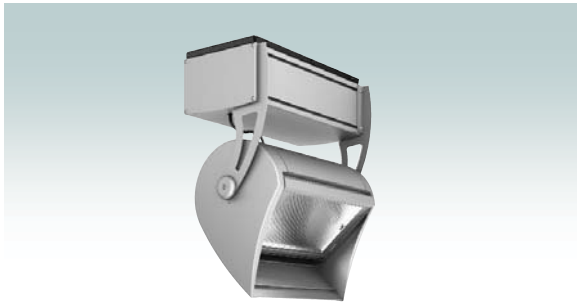
Source	Wattage	Length
T8	17	28-1/2"
	25	40-3/4"
	32	52-3/4"
T5/T5HO	14/24	28-1/2"
	21/39	40-3/4"
	28/54	52-3/4"

Ordering Information

SAMPLE NUMBER: SN-SI-C-1-F-021-120-W-YI

<p>Product SN=C-Scroll No Visor SS=C-Scroll Solid Visor</p>	<p>Lens A=Acrylic¹ N=None² P=Micro-Prismatic³ C=Clear</p>	<p>Wattage 014=14W (2' T5) 017=17W (2' T8) 021=21W (3' T5) 024=24W (2' T5HO) 025=25W (3' T8) 028=28W (4' T5) 032=32W (4' T8) 039=39W (3' T5HO) 054=54W (4' T5HO)</p>	<p>Voltage 120=120V 277=277V 347=347V UNV=Universal</p>	<p>Finish W=White S=Silver B=Bronze C=Custom</p>	<p>Options L45=45° Cross Blade Louver L25=25° Cross Blade Louver</p>
<p>Size - In/Outdoor SI=Small Indoor SO=Small Outdoor</p>	<p>Number of Lamps 1=1 Lamp</p>	<p>Lamp Type B=Battery Pack (Remote Mount) F=Fluorescent - Electronic</p>	<p>Mounting YI=Yoke / Integral</p>		

Notes: ¹ Standard for indoor models For use with indoor models only ² For use with indoor models only ³ Standard for outdoor models For additional options, consult your Cooper Lighting Representative Specifications and dimensions subject to change without notice



Roundel Large Integral Ceiling

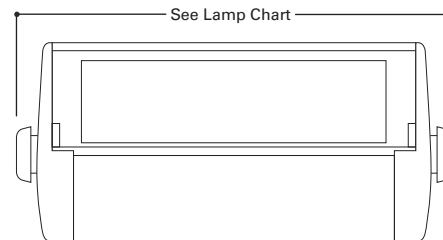
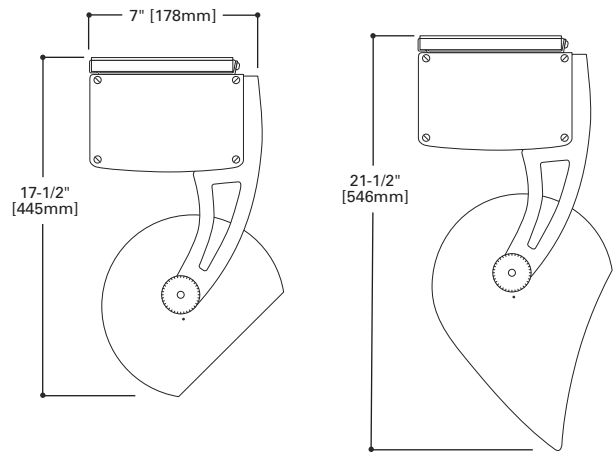
- Extruded aluminum housing
- Die-cast aluminum end caps
- Integrated visor option - solid, perf or opal window
- Die-formed 94% reflective dual-finish anodized aluminum reflector
- Electrostatically applied polyester powder coat paint finish
- Gasketed hinging doorframe
- PointGrab™ adjustment

See website for complete product offering

Roundel Large Integral Ceiling

Housing is 6063 aluminum extrusion with die-cast aluminum end caps without exposed fasteners. Hinging doorframe for easy access to gasketed lamp compartment, and stainless steel hardware. Optional integrated extruded aluminum cutoff visor: Die-formed 94% reflective dual-finish anodized aluminum. PointGrab adjustable and lockable aiming system is preset at the factory (25 degrees max. cp. above nadir). Additional 10-degree indicator marks allow for precise adjustments. Clear tempered glass, micro-prismatic tempered glass. Use 90-degree supply wire. Metal Halide - G12, Medium and Mogul, and Fluorescent - GX24Q and 2GI I. Ballast is integral to luminaire. Mounting Standard canopy mounts over recessed junction box (by others). Support structure by others. Finish Luminaire housing is finished using electrostatically applied polyester powder coat paint. Consult factory for custom colors. Labels UL and cUL listed for damp locations. Optional wet location listing is available.

Roundel Large Integral Ceiling



Lamp Chart (Roundel Large Integral - Ceiling)

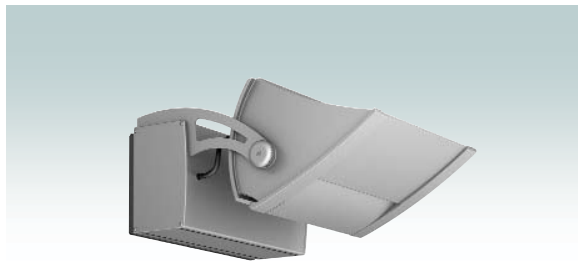
Source	Wattage	Length
Metal Halide	100/175	16-1/2"
	(2) 150/250/400	22-1/2"
	(2) 400	30-1/2"
Fluorescent	32/42/57	16-1/2"
	(2) 32/42	22-1/2"
	40/50/55	30-1/2"
	(2) 40/50/55	30-1/2"

Ordering Information

SAMPLE NUMBER: RO-LI-P-1-M-250-120-W-Y101

<p>Product RN=Roundel No Visor RS=Roundel Solid Visor RP=Roundel Perf Visor RO=Roundel Opal Visor</p>	<p>Lens N=None¹ P=Micro-Prismatic C=Clear</p>	<p>Wattage 032=32W³ 036=36W³ 040=40W³ 042=42W³ 050=50W³ 055=55W³ 057=57W 100=100W 150=150W² 175=175W 250=250W³ 400=400W³</p>	<p>Voltage 120=120V 277=277V 347=347V</p>	<p>Finish W=White S=Silver B=Bronze C=Custom</p>	<p>Options L45=45° Cross Blade Louver L25=25° Cross Blade Louver</p>
<p>Size - In/Outdoor LI=Large Indoor LO=Large Outdoor</p>	<p>Number of Lamps 1=1 Lamp 2=2 Lamps</p>	<p>Lamp Type E=Metal Halide - Electronic² F=Fluorescent - Electronic M=Metal Halide - Magnetic² R=Metal Halide - Restrike</p>	<p>Mounting Y101=Yoke Integral Style 01 Y102=Yoke Integral Style 02 Y103=Yoke Integral Style 03 Y104=Yoke Integral Style 04</p>		

Notes: ¹ Fluorescent indoor only ² 2 lamps only ³ Available with 1 or 2 lamps For additional options, consult your Cooper Lighting Representative Specifications and dimensions subject to change without notice



Vault Large Integral Wall

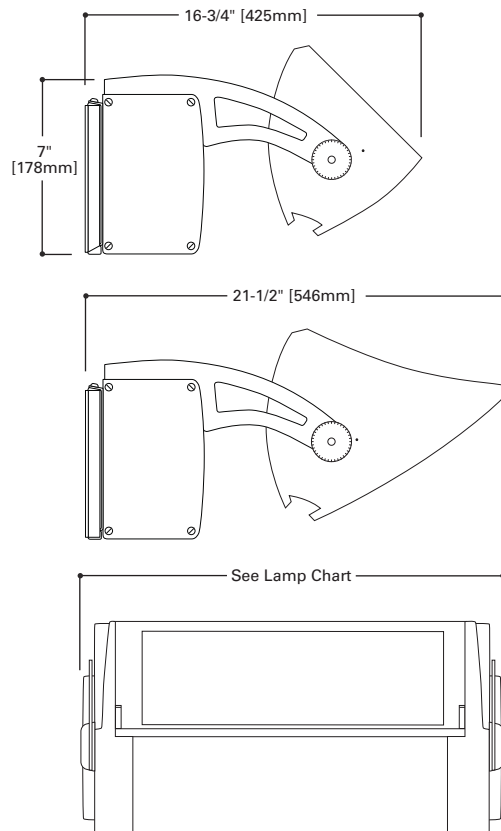
Housing is 6063 aluminum extrusion with die-cast aluminum end caps without exposed fasteners. Hinging doorframe for easy access to gasketed lamp compartment, and stainless steel hardware. Optional integrated extruded aluminum cutoff visor: Die-formed 94% reflective dual-finish anodized aluminum. PointGrab adjustable and lockable aiming system is preset at the factory (25 degrees max. cp. above horizontal). Additional 10-degree indicator marks allow for precise adjustments. Clear tempered glass, micro-prismatic tempered glass. Use 90-degree supply wire. Metal Halide - G12, Medium and Mogul, and Fluorescent - GX24Q and 2G11. Standard canopy mounts over recessed junction box (by others). Support structure by others. Finish Luminaire housing is finished using electrostatically applied polyester powder coat paint. Consult factory for custom colors. Labels UL and cUL listed for damp locations. Optional wet location listing is available.

Vault Large Integral Wall

- Extruded aluminum housing
- Die-cast aluminum end caps
- Integrated visor option - solid, perf or opal window
- Die-formed 94% reflective dual-finish anodized aluminum reflector
- Electrostatically applied polyester powder coat paint finish
- Gasketed hinging doorframe
- PointGrab™ adjustment

See website for complete product offering

Vault Large Integral Wall



Lamp Chart (Vault Large Integral Wall)

Source	Wattage	Length
Metal Halide	100/175	16-1/2"
	(2) 150/250/400	22-1/2"
Fluorescent	(2) 400	30-1/2"
	32/42/57	16-1/2"
	(2) 32/42	22-1/2"
	40/50/55	30-1/2"
	(2) 40/50/55	30-1/2"

Ordering Information

SAMPLE NUMBER: VN-LI-P-1-M-250-120-W-Y101

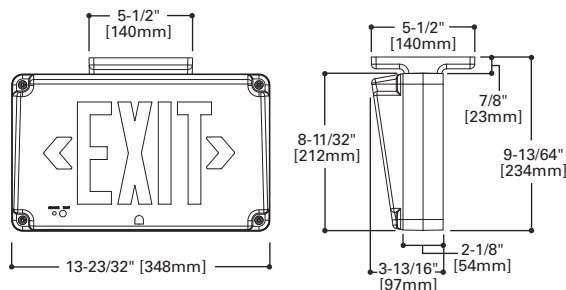
<p>Product VN=Vault No Visor VS=Vault Solid Visor VP=Vault Perf Visor VO=Vault Opal Visor</p>	<p>Lens N=None¹ P=Micro-Prismatic C=Clear</p>	<p>Wattage 032=32W³ 036=36W³ 040=40W³ 042=42W³ 050=50W³ 055=55W³ 057=57W 100=100W 150=150W² 175=175W 250=250W³ 400=400W³</p>	<p>Voltage 120=120V 277=277V 347=347V</p>	<p>Finish W=White S=Silver B=Bronze C=Custom</p>	<p>Options L45=45° Cross Blade Louver L25=25° Cross Blade Louver</p>
<p>Size - In/Outdoor LI=Large Indoor LO=Large Outdoor</p>	<p>Number of Lamps 1=1 Lamp 2=2 Lamps</p>	<p>Lamp Type E=Metal Halide - Electronic² F=Fluorescent - Electronic M=Metal Halide - Magnetic R=Metal Halide - Restrike</p>	<p>Mounting Y101=Yoke Integral Style 01 Y102=Yoke Integral Style 02 Y103=Yoke Integral Style 03 Y104=Yoke Integral Style 04</p>		

Notes: ¹ Fluorescent indoor only ² 2 lamps only ³ Available with 1 or 2 lamps For additional options, consult your Cooper Lighting Representative Specifications and dimensions subject to change without notice



UX Exit Lighting

The Sure-Lites UX NEMA 4X Exit combines the strength and durability of die cast aluminum with architecturally pleasing aesthetics. Designed for the most severe environments, the UX exit will provide maximum performance against rain, moisture, cold, corrosives and dust. Universal configurations (single and double face) and universal mounting provide the ease of one product specifying for any job. Additional designed-in features such as LED technology provide the customer with a long life, low maintenance, dependable exit sign in those conditions when reliability is crucial. The injection molded, clear, polycarbonate shield not only provides protection against moisture and rain, but vandalism as well. Four Torx® head tamperproof screws with center-pin reject provide additional vandal-proof security. The unique design and features make the UX Exit compatible in most indoor and outdoor environments.



Energy Data – AC Only Exits

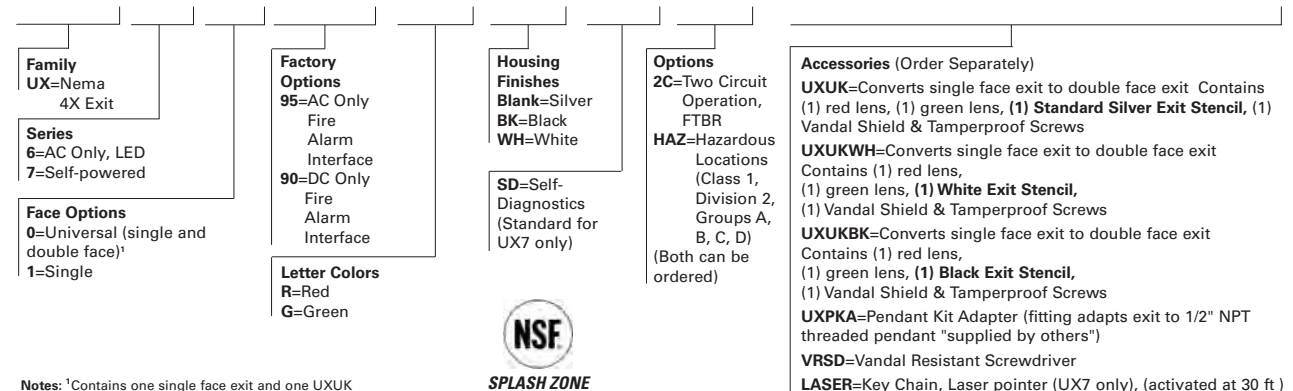
	Input Power:		Input Current (Max.):		Power Factor:		T.H.D.:	
	120V	277V	120V	277V	120V	277V	120V	277V
	LED Exits							
LED Exits -Red Letters	2.7W	3.2W	.07A	.04A	> .30	> .39	< 56%	< 69%
LED Exits -Green Letters	2.3W	3.0W	.08A	.03A	> .26	> .36	< 54%	< 67%

UX Exit Lighting

- NEMA 4X listed
- Operating temperature -45°C (-49°F) to 60°C (+140°F)
- Dual voltage input 120/277 VAC, 60Hz isolation transformer
- Die cast aluminum housing
- Powder coat finish
- LED lamping
- Exit can be universally mounted ceiling, wall or end
- Universal pattern knockouts on rear of single face housing for direct mounting to junction box
- Pendant mount
- Watchguard EMS Self-Diagnostic system
- Laser testing
- Premium nickel cadmium batteries
- T6 HAZ lamp rating
- IP66, Ingress Protection from IEC (International Electrical Commission)
- UL844, Hazardous Locations (Class 1, Division 2, Groups A, B, C, D) with "HAZ" option
- UL FTBR listed when specified with the "2C" option
- Suitable for Floor Proximity installation, UL listed, ADA (American Disabilities Act)
- NSF National Sanitation Foundation/Splash Zone (for food processing)
- Cleanrooms Class 10,000
- UL 924, UL 924 Wet Location (Suitable for wet and damp locations), NEC/OSHA, Life Safety NFPA 101, meets most state and local codes
- Patents pending

Ordering Information

SAMPLE NUMBER: UX61R



Notes: ¹Contains one single face exit and one UXUK



SPLASH ZONE

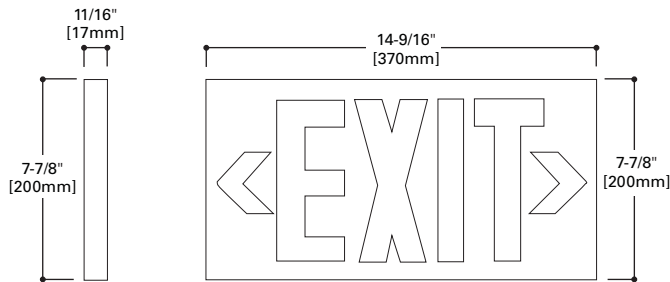


PHL Photoluminescent Exit

Photoluminescent “glow-in-the-dark” exits are designed to absorb and store energy from existing light sources. The signs do not require electricity and are non-radioactive, non-toxic, and fire-resistant. This energy efficient exit is ideal for areas where electrical wiring is either difficult or unavailable. It is an excellent choice when adding low level exits. The PHL Series exits do not require regular maintenance and have a life expectancy of at least 25 years.

PHL Photoluminescent Exit

- Energizes from fluorescent lighting (minimum 5 Ft-Candle of fluorescent illumination required during building occupancy)
- 90 minutes of illumination with a legible viewing distance of at least 50 feet
- Heavy duty aluminum housing is impact resistant, corrosion proof and flame retardant
- High-brightness strontium oxide aluminate photoluminescent pigment is applied directly onto housing
- Non-Radioactive and Non-Toxic
- Ceiling, wall or end mounting
- Field selectable chevrons
- UL 924 listed, meets Life Safety NFPA 101, ULC listed, most state and local codes, Energy Star listed
- Rated life: 25+ years



Brushed Aluminum, Red



Brushed Aluminum, Green



Red



Green

Ordering Information

SAMPLE NUMBER: PHL1RBA

<p>Product Family PHL=Photoluminescent Exit</p>	<p>Face Options 1=Single 2=Double</p>	<p>Letter Colors (Outline) R=Red G=Green</p>	<p>Housing Color Blank=Same as Letter Color BA=Brushed Aluminum</p>	<p>Accessories PHLS=Clear Acrylic Shield PHLJ=Large Canopy (J-Box)</p>
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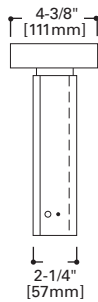
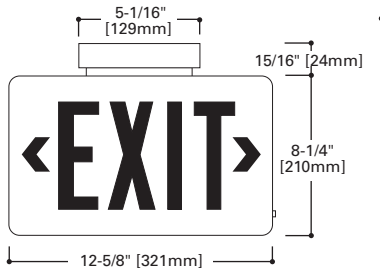


CX Series Architectural Exit Lighting

The CX Surface Mounted Die Cast Aluminum Exit combines the strength and durability of die casting with the bright even illumination of LED lamp sources. Unlike competitive units that have a pronounced dot effect from protruding diodes, the CX LED offers unequalled uniform illumination and brightness. The CX Self-Powered LED comes standard with the Watchguard EMS self-diagnostic system insuring fixture reliability and reducing maintenance costs.

CX Series Architectural Exit Lighting

- Dual-voltage Input 120/277 VAC, 60 Hz, isolation transformer
- Die cast aluminum housing
- Die cast canopy included
- LED lamping
- Watchguard EMS self-diagnostic system (CX7 Only)
- Exit can be universally mounted ceiling, wall or end
- Universal pattern knock-outs on rear of single face housing for direct mounting to junction box
- NFPA 101 compliant knockout chevrons allow quick conversion to directional signs
- Self-powered exits feature line-latching, solid-state voltage limited charger; low-voltage disconnect, brownout circuit, over-load/short-circuit protection, test switch/power indicator light
- Damp Location listed (AC Only), UL 924 listed, CSA Certified, Life Safety NFPA 101, NEC/OSHA, Energy Star listed, AC Only-UL FTBR when specified with the "2C" option, most state and local codes, suitable for floor proximity installation.



Energy Data – Self-Powered Exits

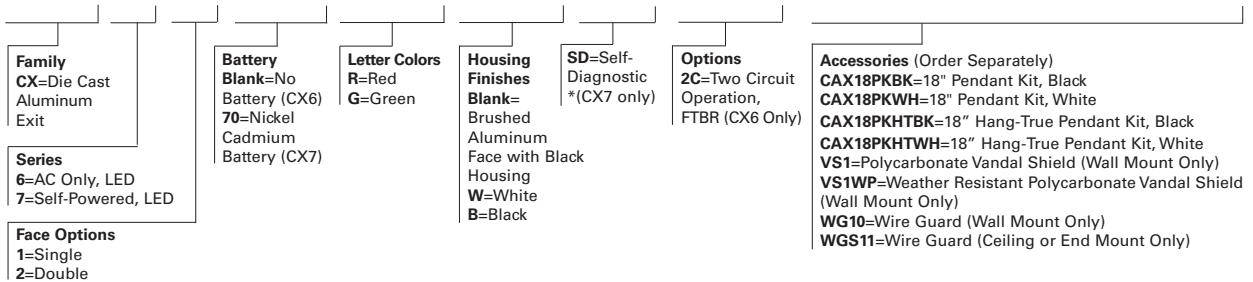
		Sealed Nickel Cadmium Battery							
		Input Power:		Input Current (Max.):		Power Factor:		T.H.D.:	
		120V	277V	120V	277V	120V	277V	120V	277V
		LED Exits							
LED Exits -Red Letters		2.8W	2.9W	.03A	.02A	> .81	> .77	< 32%	< 46%
LED Exits -Green Letters		3.9W	3.6W	.08A	.04A	> .41	> .43	< 48%	< 49%

Energy Data – AC Only Exits

		Input Power:		Input Current (Max.):		Power Factor:		T.H.D.:	
		120V	277V	120V	277V	120V	277V	120V	277V
		LED Exits							
LED Exits -Red Letters		2.4W	2.5W	.03A	.02A	> .78	> .73	< 33%	< 48%
LED Exits -Green Letters		3.2W	3.0W	.08A	.03A	> .33	> .35	< 50%	< 52%

Ordering Information

SAMPLE NUMBER: CX7170RSD



Notes: Please consult your Cooper Lighting Representative for availability. Specifications & dimensions subject to change without notice.

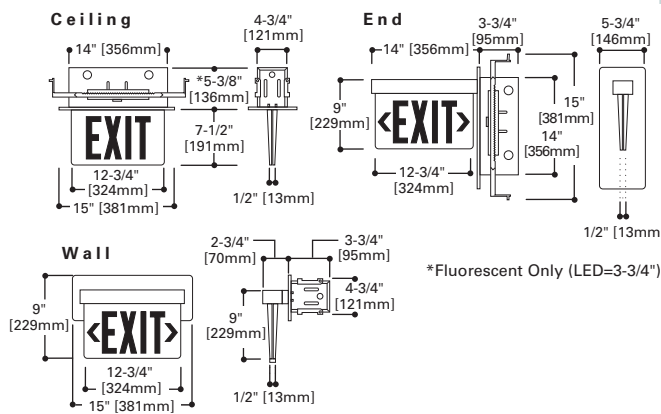


ELX Series Architectural Exit Lighting

The Sure-Lites ELX Series Recessed Exits are designed for architectural excellence and minimal presence. The crystal clear wedge shaped panel allows architectural details to shine through while providing excellent light distribution and exit visibility. Long life, energy-efficient LED lamps reduce energy costs and eliminate routine lamp maintenance.

ELX Series Architectural Exit Lighting

- Dual-voltage input 120/277 VAC or 120/347 VAC 60Hz
- 20 gauge steel recessed housing with nine conduit knockouts
- Injection molded high-impact acrylic panel
- LED or Fluorescent lamping
- Fluorescent: two F8T5 lamps wired for separate circuits
- Premium Nickel Cadmium battery
- Watchguard EMS Self-Diagnostic system (standard)
- Mirror background standard on double face exits
- Torsion springs secure trim plate to housing
- UL FTBR listed-standard Fluorescent, LED with 2C option
- Damp location listed
- Line-latching, Solid-State voltage limited charger; Solid-State switching, low-voltage disconnect, brownout circuit, overload/short-circuit protection, test switch/power indicator light.
- UL 924 listed, Life Safety NFPA 101, NEC/OSHA, most state and local codes



CHEVRON CONFIGURATION

	FRONT	BACK	FACE
AR	EXIT>	Blank	Single
AL	<EXIT	Blank	Single
DA	<EXIT>	Blank	Single
DA	<EXIT>	<EXIT>	Double
ARL	EXIT>	<EXIT	Double

Energy Data

	Input Power:			Input Current (Max.):			Power Factor:			T.H.D.:		
	120V	277V	347V	120V	277V	347V	120V	277V	347V	120V	277V	347V
Fluorescent Exits												
Fluorescent Exits -8W Lamps	14W	14W	-	.21A	.09A	-	>.56	>.58	-	<12%	<12%	-
LED Exits with Self-Diagnostics Option												
LED Exits -Red Letters	4.9W	4.8W	-	.05A	.02A	-	>.90	>.87	-	<25%	<24%	-
LED Exits - Green Letters	4.9W	4.7W	-	.05A	.02A	-	>.85	>.82	-	<25%	<24%	-

*Mirror insert installed standard White insert shipped in carton Consult your Cooper Lighting Representative

Ordering Information

SAMPLE NUMBER: ELX5170RARE

<p>Family ELX=Edgelit Exit Series</p> <p>Series 5=Self-Powered, Fluorescent 7=Self-Powered, LED Lamps</p> <p>Face Options 1=Single Face 2=Double Face</p> <p>Battery 70=Nickel Cadmium</p>	<p>Factory Options (LED EXITS ONLY) Blank=None 90=DC Only Fire Alarm Interface</p> <p>Trim Finish Blank=Brushed Aluminum WH=White BL=Black BZ=Bronze BS=Brass CR=Chrome</p>	<p>Letter Background (FLUORESCENT EXITS ONLY) R=Red/Clear G=Green/Clear RM=Red/Mirror GM=Green/Mirror RW=Red on White GW=Green on White WR=White on Red WG=White on Green</p> <p>Letter¹ (LED EXITS ONLY) R=Red G=Green</p>	<p>Chevron Direction Blank=No Chevron AR=Right Chevron AL=Left Chevron DA=Double Chevron ARL=Chevrons Right/Left (Double Face Only)</p>	<p>Voltage Blank=120/277V Dual-voltage 47=120/347V (LED Exits Only)</p> <p>Mounting Options C=Ceiling W=Wall E=End</p> <p>SD=Self-Diagnostics (Standard) (LED EXITS ONLY)</p> <p>Accessories (Order Separately) (LED EXITS ONLY) Laser=Key Chain, Red Laser Pointer (activation tested at 30 feet)</p>
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Notes: ¹Mirror insert installed standard White insert shipped in carton Consult your Cooper Lighting Representative

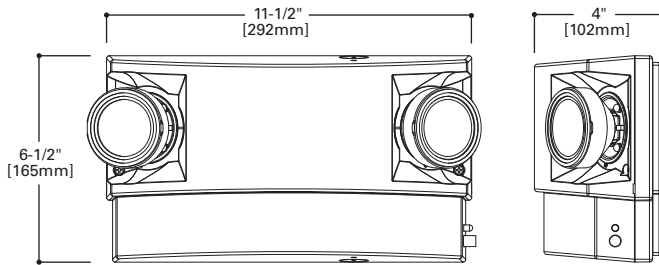


CHEL Architectural Emergency Lighting

The Sure-Lites CHEL Emergency Light provides a distinct solution to any emergency lighting application. Constructed of die-cast aluminum, the CHEL presents not only a unique shape and design but also provides dependable strength and durability. The two, fully adjustable, high efficiency 12W MR16 lamps provide maximum path of egress performance. The standard Watchguard EMS self-diagnostic system meets NFPA 101 testing requirements providing assurance that the unit is working properly at all times. The Sure-Lites LASER test feature allows remote, 30 second confidence testing of the emergency light upon demand.

CHEL Architectural Emergency Lighting

- Dual-voltage Input 120/277 VAC, 60 Hz
- Die cast aluminum housing with powder coat finish
- Two fully adjustable heads with 6V 12W MR16 lamps
- Sealed lead calcium battery maintenance free, long life, full recharge time, 24 hours
- Watchguard EMS Self-Diagnostic system
- Remote photocell test switch (requires accessory LASER for activation)
- Universal pattern knockouts on rear of housing for direct mounting to junction box
- Snap Fit design
- Reversible mounting
- Line-Latching, Solid-state Voltage Limited Charger, Low-Voltage Disconnect, Brownout Circuit, Overload/Short Circuit Protection, Test Switch/Power indicator light
- UL 924 listed Self-Diagnostics, UL Outdoor Wet Location listed (suitable for wet and damp locations), Life Safety NFPA 101, NEC/OSHA, most state and local codes



CHEL1BKSD



CHEL1WHSD



CHEL1SD
(Reverse Mounted)

ENERGY DATA

CHEL1SD
Input Current (Max.)
120V = .05A
277V = .02A

ELECTRICAL RATINGS

Model	Rated Wattage to 87 1/2% of Rated D C Voltage		Lamp Information			
	DC Voltage	1 1/2 Hours	Type	Wattage	Number	Spacing ¹
CHEL1SD	6	24	MR16	12	29-140	50 0'

Ordering Information

SAMPLE NUMBER: CHEL1SD

CHEL1

Family
CHEL1=Architectural
Emergency Light

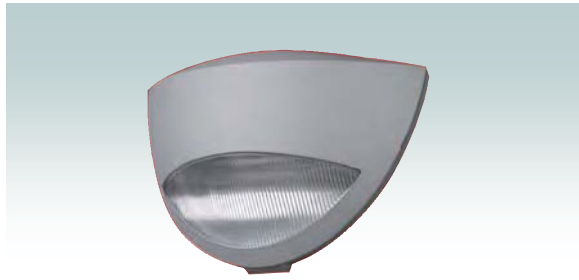
Housing Finishes
Blank=Silver
BK=Black
WH=White

SD=Self
Diagnostics

Options
TDM=Time Delay
Monitor

Accessories¹
LASER=Key Chain, Red Laser
Pointer (activation tested at 30 feet)

Notes: ¹Order separately Please consult your Cooper Lighting Representative for availability Specifications & dimensions subject to change without notice ²The "Rule of Thumb" spacing guidelines are designed to achieve 1 foot-candle average and 0.1 foot-candle minimum with a 40:1 maximum/minimum ratio The corridor used is 100 feet long, 9 foot ceiling with a 6 foot wide walkway and 3 foot path of egress The reflectances are 80% ceiling, 50% walls and 20% floors The fixture mounting height is 8.5 feet Cooper Lighting assumes no responsibility for local requirements or specific project variables This is a guideline to be used as a design aid, not as guarantee of any code compliance



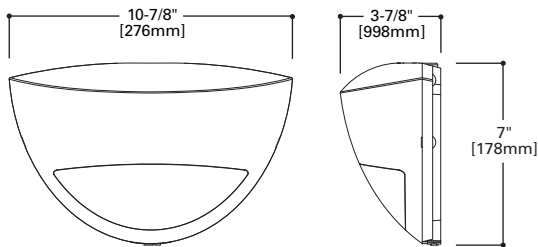
AEL1 Architectural Emergency Lights

The Sure-Lites Architectural Emergency Light is designed to provide superior illumination while blending into the surrounding space. The housing is constructed of die cast aluminum with an integral refractive polycarbonate lens. The emergency light's advanced optical design in conjunction with high output Xenon lamps provide maximum path of egress lighting performance.

The Sure-Lites Architectural Emergency Light is listed for temperatures between -20°C and 40°C (-4°F and 104°F) and has silicone gaskets that provide protection from rain, moisture, corrosives and dust. [Remote unit temperature range: -40°C and 65°C (-40°F and 149°F)] Standard features include Watchguard EMS self-diagnostic system which meets NFPA 101 testing requirements and a FasTest photocell which enables remote testing of the emergency light.

AEL1 Architectural Emergency Lights

- Dual-voltage input 120/277VAC, 60Hz
- Die cast aluminum housing with powder coat finish
- Three 6V, 6W high output Xenon lamps
- Sealed nickel cadmium battery maintenance free, long life, full recharge time, 24 hours
- Watchguard EMS Self-Diagnostic system
- Photocell test switch (requires accessory LASER for activation)
- Universal pattern knockouts on rear of housing for direct mounting to junction box
- UV stable polycarbonate lens
- Line-Latching, Solid-state Voltage Limited Charger, Low-Voltage Disconnect, Brownout Circuit, Overload/Short Circuit Protection, Test Switch/Power Indicator light
- UL 924 listed Self-Diagnostics, UL Outdoor Wet Location listed (suitable for wet and damp locations), Life Safety NFPA 101, NEC/OSHA, most state and local codes



AEL1WHSD



AEL1BKSD



AEL1BZSD

ENERGY DATA

AEL1SD
 Input Current (Max.)
 120V = .10A
 277V = .07A

ELECTRICAL RATINGS

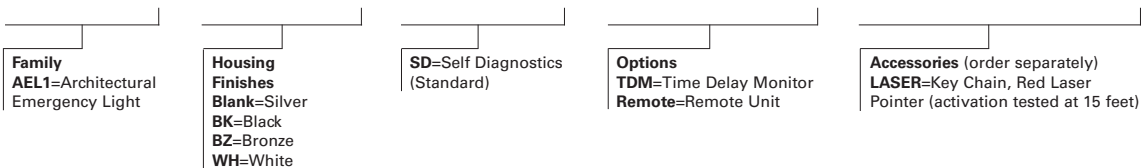
Model	Rated Wattage to 87 1/2% of Rated D C Voltage	
	DC Voltage	1 1/2 Hours
AEL1SD	6	18

Lamp Information

Type	Wattage	Number	Spacing'
Xenon	6 each	11549423	30 0'

Ordering Information

SAMPLE NUMBER: AEL1SD



Notes: "The "Rule of Thumb" spacing guidelines are designed to achieve 1 foot-candle average and 0.1 foot-candle minimum with a 40:1 maximum/minimum ratio. The corridor used is 100 feet long, 9 foot ceiling with a 6 foot wide walkway and 3 foot path of egress. The reflectances are 80% ceiling, 50% walls and 20% floors. The fixture mounting height is 8.5 feet. Cooper Lighting assumes no responsibility for local requirements or specific project variables. This is a guideline to be used as a design aid, not as guarantee of any code compliance.

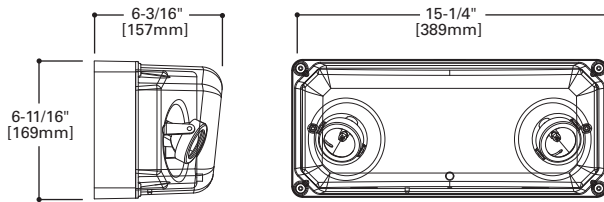


UEL Emergency Lighting

The Sure-Lites UEL NEMA 4X Emergency Light is designed for those emergency lighting applications where ruggedness and dependability are a must. The UEL's housing is constructed of durable die cast aluminum combined with the strength of a clear polycarbonate shield. Designed for the most severe environments, the UEL Emergency Light will provide maximum performance against rain, moisture, cold, corrosives and dust. The UEL's standard features include a nickel cadmium battery, self-diagnostics, photocell LASER test and MR16 lamps that provide the customer with a long life, low maintenance, dependable, severe environment approved emergency lighting unit in conditions when reliability is crucial. An additional injection molded, polycarbonate shield provides protection against moisture, rain, and vandalism. (4) Torx head tamperproof screws with center-pin reject provide additional vandal-proof security. The unique design and features make the UEL Emergency Light compatible in most indoor and outdoor environments.

UEL Emergency Lighting

- NEMA 4X, UL50 listed
- Dual-voltage input 120/277VAC, 60Hz, isolation transformer
- Die cast aluminum housing
- Powder coat finish
- (2) adjustable MR16 lamps
- Nickel cadmium battery
- Fully recharged in 24 hours
- Vandal proof
- UV stable, glass-clear polycarbonate, vandal resistant shield (.150" thick) with Torx head tamperproof screws, stainless steel
- T1 Haz lamp rating
- Watchguard EMS Self-Diagnostic system
- Photocell test switch (requires accessory LASER for activation)
- Push-in AC power connectors facilitate installation
- UL 924 listed Self-Diagnostics, UL 924 Outdoor/Wet Location listed (suitable for wet and damp locations)
- NSF, National Sanitation Foundation/Splash Zone (for food processing)
- IP66, Ingress Protection from IEC (International Electrical Commission)
- Cleanroom Class 10,000
- Patent pending



Energy Data

Model No.	Input Current (Max.):	
	120V	277V
UEL1SD	.09A	.03A

ELECTRICAL RATINGS

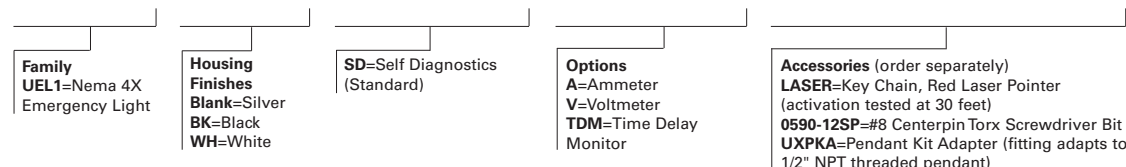
Model	Rated Wattage to 87 1/2% of Rated D C Voltage	
	DC Voltage	1 1/2 Hours
UEL1SD	12	24

Lamp Information

Type	Wattage	Number	Spacing ¹
MR16	12	29-141	50 0'

Ordering Information

SAMPLE NUMBER: UEL1SDC



Notes:¹The "Rule of Thumb" spacing guidelines are designed to achieve 1 foot-candle average and 0.1 foot-candle minimum with a 40:1 maximum/minimum ratio. The corridor used is 100 feet long, 9 feet ceiling with a 6 feet wide walkway and 3 feet path of egress. The reflectances are 80% ceiling, 50% walls and 20% floors. The fixture mounting height is 70 feet with a lamp head angle of 45 degrees. Cooper Lighting assumes no responsibility for local requirements or specific project variables. This is a guideline to be used as a design aid, not as guarantee of any code compliance.



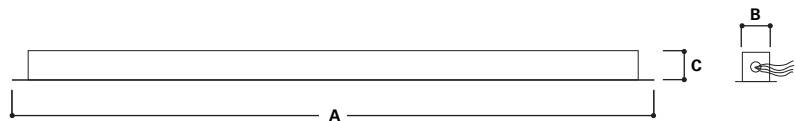
FBP Emergency Lighting

When AC power fails, the Sure-Lites Fluorescent Battery Pack (FBP) automatically switches to emergency mode. The FBP maintains illumination of one or two lamps for a minimum of 90 minutes. The product line is UL924 Listed for field retrofit installation.

FBP Emergency Lighting

- Dual-voltage input 120/277VAC, 60Hz
- Universal voltage 120 to 277 VAC, 50/60 Hz (FBP240HU)
- Sealed nickel cadmium batteries
- Solid-State charger, overload/short-circuit protection, test switch/power indicator light
- Can be installed inside or on top of fixture
- May be used with switched or unswitched fixtures
- Compatible with many different lamp types
- Compatible with many ballast types including standard, rapid-start, slimline, instant-start, energy saving, dimming and electronic AC ballasts - consult your Cooper Lighting Representative regarding specific applications
- Self Diagnostic (FBP240HSD)
- Low Profile (FBP450LP)
- UL 924 listed, UL listed for Retrofit/ Field Installation, Chicago Approved, Life Safety NFPA 101, NEC/OSHA, most state and local codes

Model	Dimensions		
	A	B	C
FBP140X	9 4"	2 4"	1 5"
FBP240U	9 4"	2 4"	1 5"
FBP240M	9 4"	2 4"	1 5"
FBP240H	13 3"	2 4"	1 5"
FBP240HU	13 3"	2 4"	1 5"
FBP240HSD	13 3"	2 4"	1 5"
FBP240C	9 4"	2 4"	1 5" (Flex=28"L)
FBP240D	9 4"	2 4"	1 5" (Flex=28"L)
FBP3500	16 3"	5 5"	1 7" (Flex=28"L)
FBP450LP	14 1"	1 5"	1 0"



Energy Data

Model No.	Input Power
	120V
FBP140X	4.5W
FBP240U	5.3W
FBP240M	5.3W
FBP240H	5.8W
FBP240HSD	4.0W
FBP240HU	6.0W
FBP240C	5.3W
FBP240D	3.5W
FBP3500	8.0W
FBP450LP	1.5W

ELECTRICAL RATINGS AND ORDERING INFORMATION

Model	Lamp Type	Number of Lamps Operated in Emergency Mode	Initial Lumens
FBP140X	20W-40W, 2 -4 , T8-T12 U-shaped, circleline, 2D, energy saving, rapid start (4-pin, 2G11) long compact fluorescent	One	350-450
FBP240U	17W-215W, 2 -8 , T8-T12 HO, VHO, U-shaped, circleline, 2D, energy saving, rapid start (4-pin, 2G11) long compact fluorescent	One	600-700
FBP240M	17W-215W, 2 -8 , T8-T12 HO, VHO, U-shaped, circleline, 2D, energy saving, rapid start (4 pin, 2G11) long compact fluorescent	One-20W to 215W (2 -8) One-20W to 39W long compact fluorescent One or Two-20W to 40W (2'-4')	600-700
FBP240H	17W-215W, 2 -8 , T8-T12 HO, VHO, U-shaped, circleline, energy saving, rapid start (4-pin, 2G11 or G24q) long compact fluorescent	One or Two - 17W to 24W One or Two - 32W to 40W (2'-4') One - 40W to 215W (5'-8') One or Two -18W to 39W long compact fluorescent One or Two - 18W to 32W 4-Pin compact fluorescent	1100-1400 (700-1000 for long compact fluorescent)
FBP240HSD	17W-215W, 2 -8 , T8-T12 HO, VHO, U-shaped, circleline, energy saving, rapid start (4-pin, 2G11, G24q, or GX24q) twin, quad and triple twin-tube compacts	One or Two-17W to 40W (2 -4) One-40W to 215W (5'-8') One or Two-18W to 39W long compact fluorescent One-40W to 55W long compact fluorescent One or Two-18W to 42W 4-pin compact fluorescent	1100-1400 (700-1000 for long compact fluorescent)
FBP240HU	17W-215W, 2 -8 , T8-T12 HO, VHO, U-shaped, circleline, energy saving, rapid start (4-pin, 2G11, G24q, or GX24q) twin, quad and triple twin-tube compacts	One or Two-17W to 40W (2 -4) One-40W to 215W (5'-8') One or Two-18W to 39W long compact fluorescent One-40W to 55W long compact fluorescent One or Two-18W to 42W 4-pin compact fluorescent	1100-1400 (700-1000 for long compact fluorescent)
FBP240C	6W-28W tubular without integral starter, 13W-42W 4-pin twin, quad, or triple twin-tube compact fluorescent without integral starters	One or Two-6W to 28W tubular One or Two-13W to 39W or One-42W 4-pin compact fluorescent	300-750
FBP240D	18W-26W quad tube with integral starter in two pin base	One-18W to 26W compact fluorescent	300-650
FBP450LP	32W, 4', T8	One	450
FBP3500	17W-215W, 2'-8', T8-T12 HO, VHO, U-shaped circleline, energy saving and (4-pin, 2G11, G24Q, or GX240) twin, quad and triple twin-tube compacts	One or Two-17W to 40W (2"-4") One-40W to 215W (5'-8") One or Two-18W to 39W long compact fluorescent One-40W to 55W long compact fluorescent One or Two-18W to 42W 4-pin compact fluorescent	1450-3500

Ordering Information

SAMPLE NUMBER: FBP140X

FBP140X
FBP240U
FBP240M
FBP240H
FBP240HSD
FBP240HU
FBP240C
FBP240D
FBP3500
FBP450LP

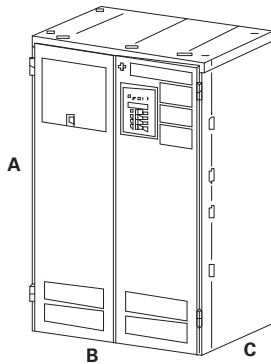
Accessories
(Order separately)

FBP1WBC=Wire Bundle Cover for external mount applications (2 required)



Lifeway II Single Phase C Series Inverter

The Sure-Lites Lifeway II C Series is a single phase inverter that provides uninterrupted power. This pulse width modulated inverter utilizes IGBT technology and has a 2 millisecond transfer time. The unit's operating efficiency is 98%, well above a typical fast transfer inverter. The C Series inverter is UL 924 Listed and meets NFPA 101 requirements by providing 90 minutes of illumination for emergency egress lighting. Other run times and voltages are available. Please consult your Cooper Lighting Representative.



Height	Width	Depth
A	B	C
47"	30"	25"

Lifeway II Single Phase C Series Inverter

- Input 120 or 277VAC 1 phase 2 wire
- Custom voltages available
- Electronic and magnetic ballast compatible
- Generator compatibility
- Forced air cooling only during emergency operation, no filters required
- 90 minute runtime standard; other runtimes available upon request
- 98% efficient PWM/IGBT technology with micro-processor control
- User programmable with password protection
- Self-Testing and Self-Diagnostic with Event, Test and Alarm Logs
- RS232 communications port
- UL 924 listed

SPECIFICATION DATA

Input Voltage	120 or 277VAC 1-phase 2 wire +10%-15% Contact factory for all other voltages
Input Frequency	60Hz, ±3%
Input Protection	Input Circuit Breaker
Input Harmonic Distortion	< 10%
Input Power Factor	0.5 lag/lead
Output Voltage	120 or 277VAC 1-phase 2 wire Contact factory for all other voltages
Static Voltage	Load current change ±2%, battery discharge ±12.5%
Dynamic Voltage	± 2% for ±25% load step change, ±3% for a 50% load step change, recovery within 3 cycles
Output Harmonic Distortion	< 3% THD for linear load
Output Frequency	60 Hz ±0.05Hz during emergency mode
Load Power Factor	0.5 lag to 0.5 lead
Inverter Overload	125% for 5 minutes
Output Protection	Optional Distribution Circuit Breakers
Battery	10 Year Valve-regulated Sealed Lead/Calcium (standard)
Environmental	
Altitude	< 10,000 feet without derating
Operating Temp	System operates safely from 0° to 40°C (32° to 104°F) up to 95% humidity UL rating, 20° to 30°C (68° to 86°F), includes battery performance which can be affect- ed by temperature Contact factory for details
Storage Temp	-20° to 70°C (Electronics Only)
Humidity	< 95% (non-condensing)

LIFEWAY II SINGLE PHASE C SYSTEM PART NUMBER / RATING / MECHANICAL SPECIFICATIONS

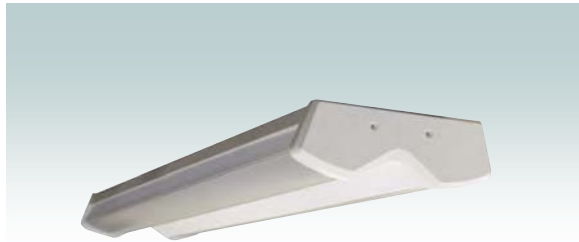
Part Number	Pwr Rtg kVA	Pwr Rtg kW	Effic @ full load %	Audible Noise db@1m	Heat Loss BTU	UPS Cabinet Dimensions			UPS Weight lb/kg	Battery Voltage VDC	Battery Current Amperes	Battery Run Minutes	Battery Width in/cm	Battery Height in/cm	Battery Depth in/cm	Cabinet Dimensions	No of Battery Cabinets	Total No of Cabinets	Total System Weight (lb/kg)
						Width in/cm	Height in/cm	Depth in/cm											
ISC015	1.5	1.5	98	45	75	30/77	47/120	25/64	250/114	48	39	90	na ²	na ²	na ²	na ²	1	1	546/249
ISC022	2.25	2.25	98	45	100	30/77	47/120	25/64	265/121	72	38	90	na ²	na ²	na ²	na ²	1	1	709/323
ISC030	3.0	3.0	98	45	160	30/77	47/120	25/64	295/134	96	38	90	na ²	na ²	na ²	na ²	1	1	887/403
ISC037	3.75	3.75	98	45	200	30/77	47/120	25/64	305/139	120	37	90	na ²	na ²	na ²	na ²	1	1	1045/475
ISC048	4.8	4.8	98	45	245	30/77	47/120	25/64	315/143	144	40	90	na ²	na ²	na ²	na ²	1	1	1203/546
ISC060	6.0	6.0	98	45	300	30/77	47/120	25/64	350/159	180	40	90	30/77	47/120	25/64	1	2	1670/759	
ISC080	8.0	8.0	98	45	400	30/77	47/120	25/64	375/171	240	39	90	30/77	47/120	25/64	1	2	2087/949	
ISC100	10.0	10.0	98	45	500	30/77	47/120	25/64	435/198	144	82	90	30/77	47/120	25/64	2	3	2631/1195	
ISC125	12.5	12.5	98	45	660	30/77	47/120	25/64	465/211	180	82	90	30/77	47/120	25/64	2	3	3105/1409	
ISC167	16.7	16.7	98	45	840	30/77	47/120	25/64	530/241	240	80	90	30/77	47/120	25/64	2	3	3954/1795	

Ordering Information

SAMPLE NUMBER: ISC037120120

Series ISC=Single Phase C	KVA Rating 015=1.5 060=6.0 022=2.25 080=8.0 030=3.0 100=10.0 037=3.75 125=12.5 048=4.8 167=16.7	Voltage Input 120 277	Voltage Output 120 277	Options See page Cooper Lighting Buyer's Guide for options
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Notes: Please consult your Cooper Lighting Representative for availability. Specifications & dimensions subject to change without notice.

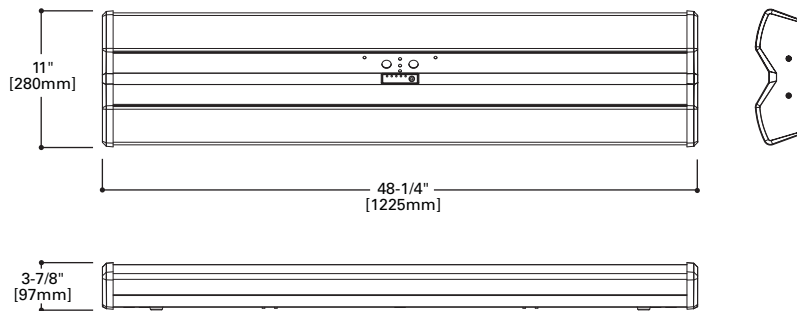


Stair Lite 2 Stairwell Lighting System

The Stair Lite 2 System is designed to satisfy all stairwell lighting requirements in one easy to install package. Stair Lite 2 consists of a surface mounted, two lamp fluorescent lighting fixture that incorporates an integrally mounted ultrasonic motion detector; a system display panel, and an optional full battery backup. The Stair Lite 2 includes an energy efficient bi-level lamp operation so that one lamp remains on constantly while the motion detector activates the second lamp when needed to significantly reduce the operating costs. The Stair Lite 2 System is designed for use in stairwells or any other area of a building where the occupancy level or usage factor would be considered minimal.

Stair Lite 2 Stairwell Lighting System

- Dual-voltage Input 120/277 VAC, 60Hz
- Formed 20 gauge steel housing and cover plate construction
- Durable white powder coat finish
- T8 32W fluorescent lamps (Lamps not included)
- Single-lamp electronic ballast that is "0" degree rated
- Sealed, maintenance-free nickel cadmium battery
- Fully automatic, energy efficient ultrasonic motion detector
- Solid-state Status Indicator Display system with an AC power indicator
- Variety of electrical and mounting knockouts for a easy installation
- UL 924, Life Safety NFPA 101, NEC/OSHA, most state and local codes



Ordering Information

SAMPLE NUMBER: STL24F032T87

Family STL2=StairLite 2	Operation 4=AC Only 5=Self Powered	Lamp Type & Size (2) 4' Lamps F032T8	Voltage Blank=120 VAC 7=277 VAC
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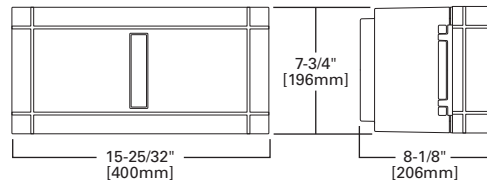
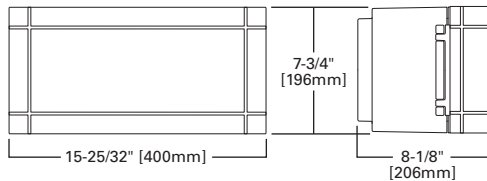


ENTRI Series Architectural Wall Luminaire

Entri Series' family of modular faceplate designs provide a tasteful architectural statement equally suitable for indoor and outdoor environments. Available luminous faceplate window adds a signature look, while affording custom color capability.

ENTRI Series Architectural Wall Luminaire

- One piece die-cast aluminum construction. Accommodates either up or down mounting configurations with no modifications
- One piece die-cast aluminum faceplate utilizes a continuous silicone gasket to seal securely to housing
- Side hinged faceplate swings open via release of one (1) flush mount die-cast aluminum latch on housing side panel
- Choice of ten (10) high efficiency optical systems
- Ballast and related electrical componentry are heat sunk to the housing
- Optional die-cast aluminum adapter box to allow for surface conduit wiring, quartz lamp options, and emergency battery pack capability
- Approximate net weight: 13 lbs. (6 kgs.)



Ordering Information

SAMPLE NUMBER: ENV-150-MH-120-EB-3S-BK-LG-L¹

<p>Product Family ENV=ENTRI Round Reveals</p>	<p>Lamp Wattage HID¹ 39=39W 70=70W 100=100W 150=150W Compact Fluorescent² 26=26W 32=32W 42=42W 52=52W³ 57=57W⁴ 64=64W³ 84=84W³ Halogen⁵ 100=100W 150=150W 250=250W</p>	<p>Lamp Type MH=Metal Halide WS=White SON High Pressure Sodium⁶ CF=Compact Fluorescent⁷ HL=Quartz Halogen</p>	<p>Voltage⁸ 120=120V 208=208V 240=240V 277=277V 347=347V 480=480V DT=Dual-Tap Wired 277V⁹ MT=Multi-Tap Wired 277V¹⁰ TT=Triple-Tap Wired 347V¹¹ UNV=120-277V Universal Electronic Ballast</p>	<p>Ballast MB=Magnetic EB=Electronic Ballast¹² X=None (for Halogen Lamp)</p>	<p>Optical System Downlight or Uplight (HID or Halogen) 3S=Type III FT=Forward Throw FX=Wall Grazing Optic TS=Tight Spot Downlight and Uplight (HID and Halogen) 3SG=Type III, 90% Main/10% Secondary Glow 3SP=Type III with Pencil Secondary FTG=Forward Throw, 90% Main/10% Secondary Glow FTP=Forward Throw with Pencil Secondary FXF=Wall Grazing Optic, 50% up/50% Down TSF=Tight Spot, 50% up/50% Down Compact Fluorescent CFG=90% Main + 10% Secondary Glow CFM=100% Main, Up or Downlighting</p>	<p>Colors (add as suffix/must specify)¹³ BK=Black AP=Grey BZ=Bronze WH=White DP=Dark Platinum GM=Graphite Metallic</p>	<p>Options & Accessories (See Below)</p>											
<p>Optional Luminous Faceplate Insert¹⁴ LG=Luminous Glass Insert LGO=Luminous Glass Insert with Warm Orange Gel LGR=Luminous Glass Insert with Red Gel LGB=Luminous Glass Insert with Bright Blue Gel LGG=Luminous Glass Insert with Deep Green Gel</p>			<p>Options¹⁴ F=Single Fuse (120, 277 or 347V) Specify Voltage FF=Double Fuse (208, 240 or 480V) Specify Voltage DSAB=Dual Fluorescent Switching Control Adapter Box¹⁵ QAB=Quartz Restrike Adapter Box EMAB=Quartz Restrike with Delay Adapter Box (Also Strikes at Cold Start) EM/SCAB=Quartz Emergency Separate Circuit Adapter Box CF/EMAB=Emergency Battery Backup Adapter Box (Specify 120 or 277V)¹⁶ PC=Button Type Photocontrol (specify voltage) WG=Wire Guard¹⁷ FRM=Frosted Main Flat Glass FRS=Frosted Secondary Flat Glass¹⁸ L=Lamp Included (Standard for all Halogen lamps)</p>		<table border="1"> <thead> <tr> <th>WATTAGE TABLE</th> <th>ENV</th> </tr> </thead> <tbody> <tr> <td>Metal Halide</td> <td>39, 70, 100, 150W</td> </tr> <tr> <td>White Son HPS</td> <td>100W</td> </tr> <tr> <td>Compact Fluorescent</td> <td>26, 32, 42, 57W</td> </tr> <tr> <td>Dual Compact Fluorescent</td> <td>(2) 26, (2) 32, (2) 42W</td> </tr> <tr> <td>Quartz Halogen</td> <td>100, 150, 250W</td> </tr> </tbody> </table>		WATTAGE TABLE	ENV	Metal Halide	39, 70, 100, 150W	White Son HPS	100W	Compact Fluorescent	26, 32, 42, 57W	Dual Compact Fluorescent	(2) 26, (2) 32, (2) 42W	Quartz Halogen	100, 150, 250W
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<p>Accessories¹⁹ VA2001-XX=Thru-way Box VA2002=Wire Guard Kit</p>			<p>Certifications</p> <table border="1"> <tr> <td>IP66 Rated</td> <td>U.L. 1598</td> <td rowspan="2" style="text-align: center; vertical-align: middle;">FCO Full Cutoff</td> </tr> <tr> <td>CSA Listed</td> <td>40°C Ambient</td> </tr> </table>		IP66 Rated	U.L. 1598	FCO Full Cutoff	CSA Listed	40°C Ambient									
IP66 Rated	U.L. 1598	FCO Full Cutoff																
CSA Listed	40°C Ambient																	

Notes: 1 All MH lamps are T6 envelope with G12 lamp base. All HPS lamps are T6 envelope with GX12 lamp base. 2 All 26/32/42/57W CF lamps feature a 4-pin lamp base. Available in CFM and CFG distributions only. 3 Dual compact fluorescent lamps. 4 Nominal M O L lamp length of 57W CFL not to exceed 7". 5 All Halogen lamps are T4 envelope with mini-can base, 120V lamp. 250W Quartz requires thru-way mounting box. 150W requires magnetic ballast. 6 WhiteSON HPS lamp available in 100W only. Requires electronic ballast. 120/277V only. Includes use of VA2001 accessory Thru-way Box. 7 Compact Fluorescent ballasts contain internal fusing. No supplemental fusing is necessary. CF ballasts are 120 through 277V. Specify with UNV voltage designation. 8 Products also available in non-US voltages and 50Hz for international markets. Consult factory for availability and ordering information. 9 Dual-tap is 120/277V wired 277V. 10 Multi-tap is 120/208/240/277V wired 277V. 11 Triple-tap is 120/277/347V wired 347V. 12 120 through 277V only. Electronic ballasts contain internal fusing, no supplemental fusing is necessary. Electronic ballast available with all CF lamps, and 39/70/100W MH lamps. Available with 150W MH lamp. Includes VA2001 accessory Thru-way Box. Not available with QAB or EMAB options. 13 Custom and RAL color matching available upon request. Consult your INVUE Lighting Systems Representative for further information. 14 Add as suffix in the order shown. 15 Dual switching requires dual 26, 32 or 42W Compact Fluorescent lamps. Allows independent switching control of each lamp through use of two (2) electronic ballasts. Allows 50% power reduction when dual ballasts are independently wired and controlled. 16 CF lamps only. Battery backup operates 90 minutes at minimum 32°F (0°C), 42W maximum. 17 For use in down lighting applications only. 18 Frosted secondary lens provided standard on 3SG, FTG, and CFG distributions. 19 Order separately, replace XX with color suffix. 20 Specifications and dimensions subject to change without notice.



Vision Wall Architectural Wall Luminaire

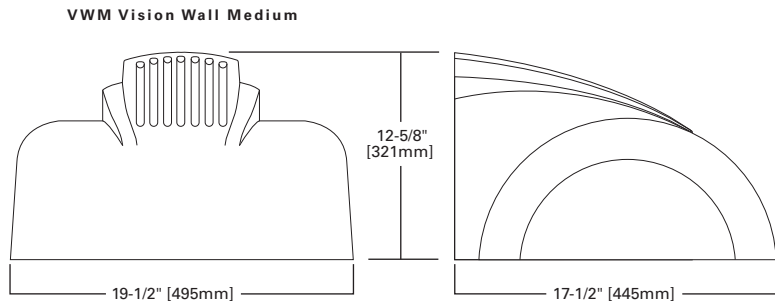
The classic lines and sophisticated construction of the Vision Wall luminaire make it an ideal complement to architectural site design. IP65 ingress Rating standard. UL listed and CSA Certified for wet locations in up or down mounting applications with no necessary modifications to the door or housing.

Vision Wall Medium Architectural Wall Luminaire

- One piece die-cast aluminum housing
- One piece die-cast aluminum door with continuous silicone gasket accommodates either up or down mounting configurations
- Lens is impact-resistant 1/8" thick tempered clear or optional frosted flat glass
- Door frame is hinged and secured to the housing via four (4) captive stainless steel Allen head fasteners
- Standard zinc plated attachment plate fits directly to 4" J-Box
- Choice of five (5) high efficiency optical systems. Type II, III, IV, and FX optical systems constructed of premium 95% reflective anodized aluminum sheet
- Mogul-base porcelain socket for HID lamp sources
- Approximate net weight: **VWM** Vision Wall Medium 45 lbs. (20.5 kgs.), **VWS** Vision Wall Small 25 lbs. (11 kgs.)



In downlighting configurations only



Ordering Information

SAMPLE NUMBER: VWM-400-MH-MT-3S-BK-L

Product Family VWM =Vision Wall Medium VFS VISION Wall Small also available See Cooper Lighting Buyers Guide 5th Edition pg 1122	Lamp Wattage HID ¹ 150=150W 175=175W 250=250W 320=320W ² 350=350W ² 400=400W ^{2,4} Compact Fluorescent 114=(2) 57W ⁵ 140=(2) 70W ⁵	Lamp Type MH =Metal Halide MP =Pulse Start Metal Halide HPS =High Pressure Sodium CF =Compact Fluorescent ⁶	Voltage ⁷ 120=120V 208=208V 240=240V 277=277V 347=347V 480=480V DT =Dual-Tap Wired 277V ⁸ MT =Multi-Tap Wired 277V ⁹ TT =Triple-Tap Wired 347V ¹⁰ UNV =120-277V Universal Electronic Ballast	Optical System 2S =Type II 3S =Type III 4S =Type IV FX =Wall Grazing Optic TS =Tight Spot	Colors (add as suffix/must specify) ¹¹ BK =Black AP =Grey BZ =Bronze WH =White DP =Dark Platinum GM =Graphite Metallic	Options & Accessories (See Below)
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Options¹²
F=Single Fuse (120, 277 or 347V) Specify Voltage
FF=Double Fuse (208, 240 or 480V) Specify Voltage
Q=Quartz Restrike¹³
EM=Quartz Restrike with Delay (Also Strikes at Cold Start)¹³
EM/SC=Quartz Emergency Separate Circuit¹³
PC=Button Type Photocontrol (Specify Voltage)
DS=Dual Fluorescent Switching Control¹⁴
HS=House Side Shield¹⁵
VS=Polycarbonate Vandal Shield
FR=Frosted Flat Glass Lens
L=Lamp Included

Accessories¹⁶
VWM/EM=Embedded Mount
VWM/TB-XX=Thru-way Box¹⁷
VWM/WG-XX=Wire Guard

WATTAGE TABLE	VWM
Metal Halide	175, 250, 400W
Pulse Start Metal Halide	250, 320, 350, 400W
High Pressure Sodium	150, 250, 400W
Compact Fluorescent	(2) 57W, (2) 70W

Certifications		
IP66 Rated	U.L. 1598	FCO Full Cutoff
CSA Listed	40°C Ambient	
	ISO 9001	

Notes: 1 All HID lamps are mogul-base 2 320W and 350W Pulse Start Metal Halide lamps only 3 400W MH requires reduced envelope ED28 lamp 4 400W rated for 25°C ambient environments 5 Dual Compact Fluorescent lamp options available in Type 4S distribution only 6 Compact Fluorescent ballasts contain internal fusing No supplemental fusing is necessary CF ballasts are 120 through 277V Specify with UNV voltage designation 7 Products also available in non-US voltages and 50Hz for international markets Consult factory for availability and ordering information 8 Dual-tap is 120/277V wired 277V 9 Multi-tap is 120/208/240/277V wired 277V 10 Triple-tap is 120/277/347V wired 347V 11 Custom and RAL color matching available upon request Consult your INVUE Lighting Systems Representative for further information 12 Add as suffix in the order shown 13 Quartz options not available with FX or TS distributions 14 Dual switching requires dual 57W or dual 70W Compact Fluorescent lamps Allows independent switching control of each lamp through use of two (2) electronic ballasts Allows 50% power reduction when dual ballasts are independently wired and controlled 15 House side shield not available with FX and TS optics 16 Order separately, replace XX with color suffix 17 For use in down lighting applications only 18 Specifications and dimensions subject to change without notice



Solas Series Round Wall Luminaire

The SOLAS™ Series family of modular faceplate designs provide a tasteful architectural statement equally suitable for indoor and outdoor environments. SOLAS™ Series luminaires are for recessed wall mounted applications only.

Solas Series Round Wall Luminaire

- One piece die-cast aluminum construction
- One piece die-cast aluminum faceplate utilizes a continuous silicone gasket to seal securely to housing. Faceplate is mounted with two (2) point screws. ADA compliant
- 95% reflective anodized aluminum sheet. Optical segments are rigidly mounted inside a heavy wall aluminum housing for superior protection
- Removable power tray for ease of maintenance. Conduit splice box provides six (6) 3/4" NPS hubs for supply connection
- Available for indoor and outdoor applications utilizing drywall, OSB, concrete pour and brick/masonry. Maximum depth back housing protrudes into wall is 5-3/4"
- Approximate net weight: 20 lbs. (9.99 kgs.)

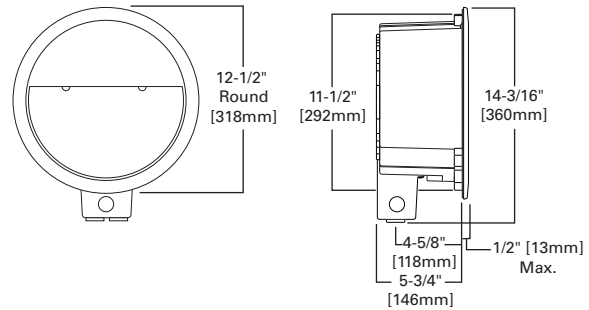


In downlighting configurations only

Certifications

IP66 Rated	U.L. 1598	ADA Compliant	CO Cutoff
CSA Listed	25°C Rated	ISO 9001	

Recessed wall mount only



Ordering Information

SAMPLE NUMBER: SRS-M-39-MHT6-MT-MB-PC-BK

<p>Product Family SRS=Solas Series Round Scoop¹</p> <p>Wall Type D=Dry Wall^{2,3} C=Concrete Pour M=Masonry Wall</p> <p>Other SOLAS products available See Cooper Lighting Buyers Guide 5th Edition pgs 1124-1127</p>	<p>Lamp Wattage HID⁴ 35=35W⁵ 50=50W 70=70W 100=100W⁶ HID T6 Lamps 39=39W 70=70W Compact Fluorescent⁷ 26=26W 32=32W 42=42W 52=52W 57=57W⁸ 64=(2) 32W LED H.O. 18=18W</p>	<p>Lamp Type MH=Metal Halide HPS=High Pressure Sodium MHT6=Metal Halide T6 CF=Compact Fluorescent⁷ LEDRD=LED Red Lamps⁹ LEDBL=LED Blue Lamps⁹ LEDGN=LED Green Lamps⁹ LEDOR=LED Orange Lamps⁹ LEDCY=LED Cyan Lamps⁹ LEDWH=LED White Lamps⁹</p>	<p>Voltage¹⁰ 120=120V 208=208V 240=240V 277=277V 347=347V 480=480V DT=Dual-Tap Wired 277V^{11,12} MT=Multi-Tap Wired 277V¹³ TT=Triple-Tap Wired 347V¹⁴ UNV=120/277V Universal Electronic Ballast</p>	<p>Ballast Type MB=Magnetic Ballast EB=Electronic Ballast¹⁵</p> <p>Lens Type FR=Frosted Flat Glass</p>	<p>Colors¹⁶ BK=Black AP=Grey BZ=Bronze WH=White DP=Dark Platinum GM=Graphite Metallic</p> <p>Options¹⁷ F=Single Fuse (120, 277 or 347V) Specify Voltage¹⁸ FF=Double Fuse (208, 240 or 480V) Specify Voltage¹⁸ TP=Tamper Proof Hardware (TORX™ Center Pin Reject) CF/EM=Emergency Battery Pack¹⁹ EM/SC=Quartz Emergency Separate Circuit²⁰ L=Lamp included</p> <p>Accessories²¹ LED RD/RK=Red LED Lamp Replacement Kit LED BL/RK=Blue LED Lamp Replacement Kit LED GN/RK=Green LED Lamp Replacement Kit LED OR/RK=Orange LED Lamp Replacement Kit LED CN/RK=Cyan LED Lamp Replacement Kit LED WH/RK=White LED Lamp Replacement Kit</p>	<p>Options & Accessories (See Below)</p>
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Ordering Information (Back Housing. Must be order separately)

SAMPLE NUMBER: SRBH-D

<p>Product Family SRBH=Solas Series Round Back Housing</p> <p>Product Family D=Dry Wall^{2,3} CM=Concrete Pour or Masonry Wall</p>	
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WATTAGE TABLE	SRS
Metal Halide ED-17	50, 70, 100W
High Pressure Sodium	35, 50, 70W
Metal Halide T6	39, 70W
Compact Fluorescent	26, 32, 42, 57W
Dual Compact Fluorescent	(2) 26, (2) 32W
LED High Output	18W

Notes: 1 Inverted (uplight) mount units available in scoop faceplate only, 70W or less with Magnetic Ballast "MB" only 2 If insulation material is used, it must be kept minimum 3" away from luminaire on all sides 3 All HID units for drywall or combustible applications will require a dual- or multi-tap magnetic ballast allowing use of insulation detector as required by Code CF units have built in thermal protection; insulation detector will be taken out of circuit 4 All HID ED-17 lamps are medium-base 5 35W HPS available in 120V only 6 100W MH available only in "C" Concrete Pour and "M" Masonry Wall units 7 CF lamps use electronic ballast 120-277V (UNV) only 8 Nominal M O L lamp length of 57W CFL not to exceed 7" 9 Available with electronic ballast, 120V only 10 Products also available in non-US voltages and 50Hz for international markets Consult factory for availability and ordering information 11 Dual-tap is 120/277V wired 277V 12 Not available in 70W MH medium-base M98 lamp 13 Multi-tap is 120/208/240/277V wired 277V 14 Triple-tap is 120/277/347V wired 347V 15 Available in 50W MH or less, 120-277V universal voltage, not available with HID units in Dry Wall (D) applications "EB" standard on all Compact Fluorescent 16 Custom and RAL color matching available upon request Consult your INVUE Lighting Systems Representative for further information 17 Add as suffix in the order shown 18 Available on 50W or less only Not available with CF/EM 19 CF lamps only Battery backup operates 90 minutes at minimum 32°F (0°C), 42W maximum 20 For use only with 39W T6 MH lamp Backup lamp is Halogen 120V T4, G9 base 40W maximum 21 Order separately 22 Specifications and dimensions subject to change without notice

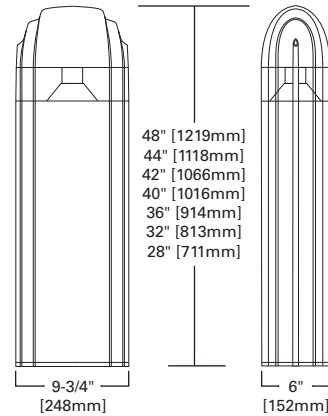


VXB Vision Bollard Low Level Luminaires

The Vision Bollard from INVUE brings architectural style to the pedestrian level. The Vision Bollard can be used along with Vision Series' Area, Flood, and Wall luminaires to provide a coordinated look sure to enhance any architectural setting. Concealed lamp and reflector system eliminates all visible glare while providing high levels of pavement illumination. UL listed and CSA certified for wet locations.

VXB Vision Bollard Low Level Luminaires

- Vandal resistant low copper, die-cast aluminum top
- Heavy wall seamless extruded aluminum shaft. Optional button photocontrol mounts to extrusion
- Standard impact and UV resistant injection molded acrylic lens
- Continuous silicone gasketing provided between extruded housing and lens to forbid entry of contaminants
- Glare-free, fully concealed reflector system features a high efficiency fluted hydroformed reflector for superior light output and uniform pavement illumination
- Quick-disconnect ballast assembly located at base of housing for cooler operation and ease of maintenance
- Medium-base porcelain socket for HID lamp sources
- Rugged cast aluminum base features two (2) factory installed leveling vials
- Approximate net weight: 32 lbs. (14.5 kgs.)



Ordering Information

SAMPLE NUMBER: VXB-40-70-MH-MT-BK

Product Family VXB=Vision Bollard	Fixture Height 28=28" 32=32" 36=36" 40=40" 42=42" 44=44" 48=48"	Lamp Wattage ¹ HID 35=35W ² 50=50W 70=70W 100=100W Compact Fluorescent ³ 26=26W 32=32W 42=42W	Lamp Type MH=Metal Halide HPS=High Pressure Sodium CF=Compact Fluorescent ³	Voltage ⁴ 120=120V 208=208V 240=240V 277=277V DT=Dual-Tap Wired 277V ⁵ MT=Multi-Tap Wired 277V ⁶ TT=Triple-Tap Wired 347V ⁷ UNV=120-277V Universal Electronic Ballast	Colors (add as suffix/must specify) ⁸ BK=Black AP=Grey BZ=Bronze WH=White DP=Dark Platinum GM=Graphite Metallic	Options & Accessories (See Below)
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Options ⁹ F=Single Fuse (120, 277 or 347V) Specify Voltage FF=Double Fuse (208 or 240V) Specify Voltage PL=Polycarbonate Lens PC=Button Type Photocontrol (Specify Voltage) CF/EM=Compact Fluorescent ¹⁰ Emergency Battery Pack L=Lamp Included ¹¹	Accessories ¹² VXBABKIT=Anchor Bolt Kit
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WATTAGE TABLE	VXB
Metal Halide	50, 70, 100W
High Pressure Sodium	35, 50, 70, 100W
Compact Fluorescent	26, 32, 42W

Certifications			
IP44 Rated	U.L. 1598 Listed		CO Cutoff
CSA Listed	25C Ambient	ISO 9001	

Notes: 1 All lamps are medium-base 2 35W HPS available in 120V only 3 CF lamps use electronic ballast 120-277V (UNV) only 4 Products also available in non-US voltages and 50Hz for international markets Consult factory for availability and ordering information 5 Dual-Tap is 120/277V wired 277V 6 Multi-Tap ballast is 120/208/240/277V wired 277V 7 Triple-Tap ballast is 120/277/347V wired 347V 8 RAL and custom color matches available Consult your INVUE Lighting Systems Representative for more information 9 Add suffix in the order shown 10 CF lamps only Battery backup operates 90 minutes at minimum 32°F (0°C), 42W maximum 11 Coated lamp recommended 12 Order separately, replace XX with color suffix 13 Specifications and dimensions subject to change without notice

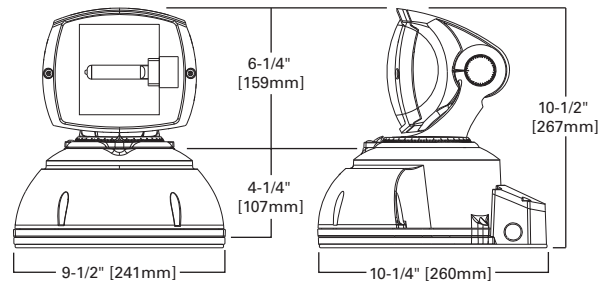


PHH Phocus Architectural Flood Luminaire

PHOCUS defines the ultimate floodlighting solution; powerful performance, easily concealable size and a stunningly beautiful shape. Available in wattages up to 150 watt T-6 Metal Halide and 150 watt T-4 Quartz Halogen. PHOCUS is versatile in application. Ground, wall, ceiling, burial and remote mounting configurations offer a wide variety of application alternatives to accomplish specific design requirements. Offering seven (7) uniquely shaped optical distributions, plus an array of HID and Quartz Halogen PAR lamps, PHOCUS is unrivaled in its optical versatility. An available family of light control accessories provides custom cutoff solutions to meet specific distribution requirements.

PHH Phocus Architectural Flood Luminaire

- One-piece, die-cast aluminum housing with cast indicator mark on backside of housing references 5° integral aiming marks on yoke arm for precise vertical aiming control
- Die-cast aluminum door is secured with two (2) tamper resistant recessed stainless steel fasteners
- Lens is impact resistant .20" tempered clear or optional frosted contoured glass, sealed to the door with a one-piece molded silicone gasket
- Heavy-duty die-cast aluminum yoke arms utilize a positive-lock adjustment mechanism for both solid attachment and infinite aiming
- Choice of seven (7) high efficiency optical systems
- Die-cast aluminum ballast enclosure. Wiring compartment features a removable access cover and is completely sealed from electrical components to prevent water or vapor entry into the fixture
- Approximate net weight: 10 lbs. (4.5 kgs.)



Ordering Information

SAMPLE NUMBER: PHH-39-MH-120-EB-FL30-GIB-DP

<p>Product Family PHH=PHOCUS HID</p> <p>PHQ Quartz version available also. See Cooper Lighting Buyers Guide 5th Edition pg 1111</p>	<p>Lamp Type MH=Metal Halide</p>	<p>Voltage⁵ 120=120V 208=208V 240=240V 277=277V 347=347V DT= Dual-Tap Wired 277V^{6,7} MT=Multi-Tap Wired 277V^{6,8} TT=Triple-Tap Wired 347V^{6,9} UNV=120-277V Universal Electronic Ballast</p>	<p>Ballast MB=Magnetic EB=Electronic¹⁰</p>	<p>Optical Systems HID T6 Lamps NS=Narrow Spot Axial HNF=Horizontal Narrow Flood HMF=Horizontal Medium Flood HWF=Horizontal Wide Flood VNF=Vertical Narrow Flood VMF=Vertical Medium Flood VWF=Vertical Wide Flood</p> <p>HID PAR Lamps¹¹ SP10=10° Spot FL30=30° Flood</p>	<p>Mounting Options Ground Mount GBB=Direct Burial Mount (supplied with burial ballast)¹² GIB=Integral Ballast Box GRB=Remote Mount (supplied with remote burial ballast)¹² GRNB=Remote Mount (requires remote potted ballast by others)¹³ GSR=Spike Mount (supplied with remote burial ballast)¹²</p> <p>Wall/Ceiling Mount WIB=Integral Ballast Box WRNB=Remote Mount (requires remote potted ballast by others)</p>	<p>Colors (add as suffix/must specify)¹⁴ BK=Black AP=Grey BZ=Bronze WH=White DP=Dark Platinum GM=Graphite Metallic VR=Verde Green</p> <p>Options & Accessories (See Below)</p>												
<p>Lamp Wattage HID T6 Lamps¹ 39=39W² 70=70W³ 100=100W 150=150W HID PAR Lamps⁴ 39=39W²</p>																		
<p>Options¹⁵ F=Single Fuse (120, 277 or 347V) Specify Voltage¹⁶ FF=Double Fuse (208, 240 or 480V) Specify Voltage¹⁶ FR=Frosted Flat Glass Lens L=Lamp Included</p>				<p>Accessories¹⁷ VA3003-XX=Color Filter Adapter with Red Gel VA3004-XX=Color Filter Adapter with Bright Blue Gel VA3005-XX=Color Filter Adapter with Deep Green Gel VA3006-XX=Color Filter Adapter with Warm Orange Gel VA3001-XX=Top Visor VA3002-XX=Four Sided Shield VA3007-XX=Wire Guard</p>	<p>Certifications</p> <table border="1"> <tr> <td>IP65 Rated</td> <td>U.L. 1598</td> <td>2G Vibration Tested</td> </tr> <tr> <td>CSA Listed</td> <td>25°C Ambient</td> <td>ISO 9001</td> </tr> </table>	IP65 Rated	U.L. 1598	2G Vibration Tested	CSA Listed	25°C Ambient	ISO 9001	<p>WATTAGE TABLE</p> <table border="1"> <tr> <td></td> <td>PHH</td> </tr> <tr> <td>Metal Halide T6</td> <td>39, 70, 100, 150W</td> </tr> <tr> <td>Metal Halide PAR20</td> <td>39W</td> </tr> </table>		PHH	Metal Halide T6	39, 70, 100, 150W	Metal Halide PAR20	39W
IP65 Rated	U.L. 1598	2G Vibration Tested																
CSA Listed	25°C Ambient	ISO 9001																
	PHH																	
Metal Halide T6	39, 70, 100, 150W																	
Metal Halide PAR20	39W																	

Notes: 1 T6 lamps use G12 base 2 Available in Dual-tap, 120 and 277V only 3 70W magnetic ballast limited to Dual-tap 120/277V or 120/347V 4 39W PAR20 lamps use medium screw base 5 Products also available in non-US voltages and 50Hz for international markets. Consult factory for availability and ordering information 6 Magnetic ballasts only 7 Dual-tap is 120/277V wired 277V 8 Multi-tap is 120/208/240/277V wired 277V 9 Triple-tap is 120/277/347V wired 347V 10 120 through 277V only Not available with 150 MH lamp, or GBB, GRB, GSR ground mount options 11 PAR 20 MH lamps available in 39W only 12 GBB, GRB, GSR mounting options include a magnetic potted burial ballast enclosure. Not available in 150W MH Maximum 50' remoting distance from fixture head 13 For use when ground mounting in non-earth or interior surface environments 14 Custom and RAL color matching available upon request. Consult your INVUE Lighting Systems Representative for further information 15 Add as suffix in the order shown 16 Fusing available on GIB and WIB mounting options only 17 Order separately, replace XX with color suffix 18 Specifications and dimensions subject to change without notice



FLS Flite Architectural Area Luminaire

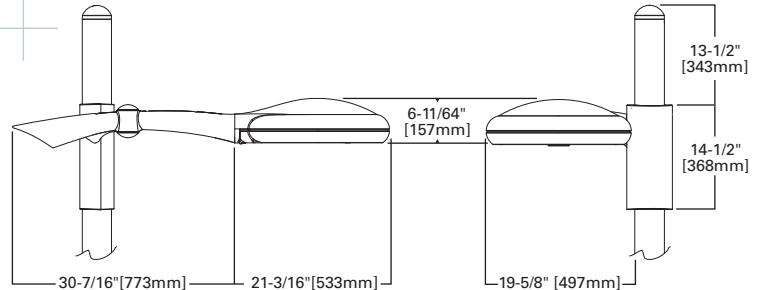
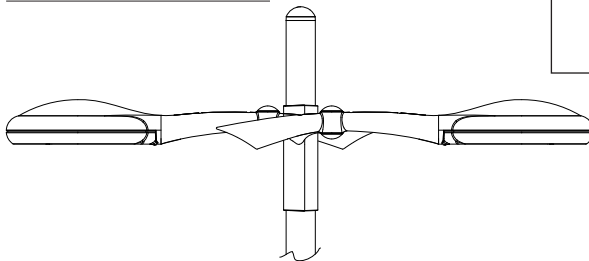
Dramatic styling launches FLITE in to its own stratosphere. The 90° design of the cast arm assembly in conjunction with the flowing lines from pole to luminaire provide statement that both daring form and spectacular performance can coexist harmoniously in application. Dual mount capability by simply specifying (2) FLS Flite luminaires.

FLS Flite Architectural Area Luminaire

- Heavy-wall, die-cast aluminum housing
- Continuous silicone gasketing provides IP65 fixture rating
- Impact resistant 1/8" thick tempered clear or optional frosted flat glass
- Toolless entry to housing provided via two (2) push release recessed latches
- Heavy wall, cast aluminum arm fits 4" O.D. 10" long tenon
- Ballast and related electrical componentry are mounted to a reinforced one piece tray with integral handle
- Choice of five (5) high efficiency segmented optical systems constructed of premium 95% reflective anodized aluminum sheet
- Medium-base porcelain socket for HID lamp sources
- Approximate net weight: 86 lbs. (39 kgs.)

DARK SKY COMPLIANT **FCO**
Full Cutoff

DUAL CONFIGURATION



Ordering Information

SAMPLE NUMBER: FLS-175-MH-MT-3S-BK-L

Product Family FLS=FLITE Site Small ¹	Lamp Wattage HID ² 70=70W 100=100W 150=150W 175=175W Compact Fluorescent ³ 42=42W 57=57W ⁴	Lamp Type MH=Metal Halide HPS=High Pressure Sodium CF=Compact Fluorescent ⁵	Voltage ⁶ 120=120V 208=208V 240=240V 277=277V 347=347V 480=480V DT=Dual-Tap wired 277V ⁷ MT=Multi-Tap wired 277V ⁸ TT=Triple-Tap wired 347V ⁹ UNV=120-277V Universal Electronic Ballast	Optical System 2S=Type II 3S=Type III 4S=Type IV 5S=Type V SL=Spill Light Eliminator	Colors ¹⁰ (add as suffix/must specify) BK=Black AP=Grey BZ=Bronze WH=White DP=Dark Platinum GM=Graphite Metallic	Options & Accessories (See Below)
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WATTAGE TABLE	FLS
Metal Halide	70, 100, 175W
High Pressure Sodium	70, 100, 150W
Compact Fluorescent	42, 57W

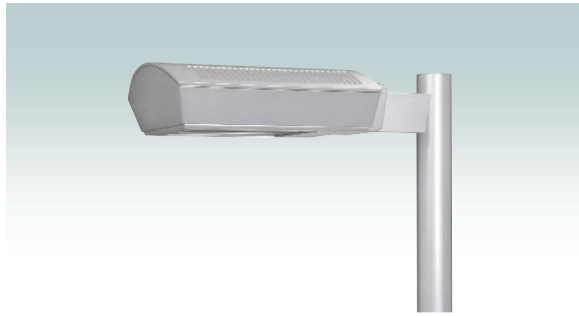
Certifications

IP65 Rated	U.L. 1598	2G Vibration Tested	FCO Full Cutoff
CSA Listed	25°C Ambient	ISO 9001	

- Options** ¹¹
- F=Single Fuse (120, 277 or 347V) Specify Voltage
 - FF=Double Fuse (208, 240 or 480V) Specify Voltage
 - Q=Quartz Restrike ¹²
 - EM=Quartz Restrike with Time Delay (Also Strikes at Cold Start) ¹²
 - EM/SC=Quartz Emergency Separate Circuit ¹²
 - 42CF/EM=Emergency Battery Backup ¹³
 - R=NEMA Twistlock Photocell Receptacle
 - PC=Button Type Photocontrol (Specify Voltage)
 - HS=House Side Shield ¹⁴
 - VS=Polycarbonate Vandal Shield
 - FR=Frosted Flat Glass Lens
 - L=Lamp Included

- Accessories** ¹⁵
- OA/RA1016=NEMA Photocontrol Multi-Tap
 - OA/RA1027=NEMA Photocontrol 480V
 - OA/RA1201=NEMA Photocontrol 347V

Notes: 1 Fixture includes decorative arm assembly 2 All HID lamps are medium-base 3 Available in Type 3S, 4S, and 5S distributions only 4 Nominal M O L lamp length of 57W CFL not to exceed 7" 5 Compact Fluorescent ballasts contain internal fusing No supplemental fusing is necessary CF ballasts are 120 through 277V Specify with UNV voltage designation 6 Products also available in non-US voltages and 50Hz for international markets Consult factory for availability and ordering information 7 Dual-tap is 120/277V wired 277V 8 Multi-tap is 120/208/240/277V wired 277V 9 Triple-tap is 120/277/347V wired 347V 10 Custom and RAL color matching available upon request Consult your INVUE Lighting Systems Representative for further information 11 Add as suffix in the order shown 12 Quartz options not available with SL optic 13 Battery backup operates 90 minutes at minimum 32°F (0°C), 42W maximum Type 3S, 4S, 5S optics only 14 House side shield not available on 5S and SL optics 15 Order separately 16 Specifications and dimensions subject to change without notice



Ascent Architectural Area Luminaire

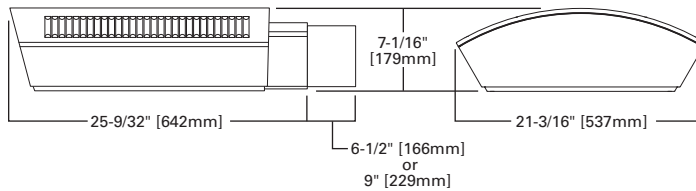
ASCENT enhances the rectilinear form with a housing that blends effortlessly to traditional or ambitious architectural environments. ASCENT brings two (2) housing sizes and a fluid form to match the culture in which it resides.

Ascent Architectural Area Luminaire

- Two-piece heavy-wall, die-cast aluminum housing
- Continuous silicone gasketing provides IP66 fixture rating
- Impact resistant 1/8" thick tempered clear or optional frosted flat glass
- Toolless entry to housing is provided via two (2) flush mounted quick release latches
- Ballast and related electrical components are mounted to a reinforced one-piece die-cast aluminum power tray
- Choice of five (5) high efficiency segmented optical systems constructed of premium 95% reflective anodized aluminum sheet
- Mogul-base porcelain socket for HID lamp sources
- Housing and arm finished in a 5 stage premium TGIC polyester powder coat paint
- Approximate net weight: **AEM** Ascent Site Medium 51 lbs. (23 kgs.), EPA: 1.35, **AES** Ascent Site Small 35 lbs. (16 kgs.), EPA: .85



AEM Ascent Site Medium



Ordering Information

SAMPLE NUMBER: AEM-400-MH-MT-3S-BK-L

Product Family ¹ AEM =ASCENT Site Medium AES ASCENT Site Small also available See Cooper Lighting Buyers Guide 5th Edition pg 1088	Lamp Wattage HID ² 150=150W 175=175W 250=250W 320=320W ³ 350=350W ³ 400=400W ⁴ Compact Fluorescent 114=(2) 57W ⁵ 140=(2) 70W ⁵	Lamp Type MH =Metal Halide Halide MP =Pulse Start Metal Halide HPS =High Pressure Sodium CF =Compact Fluorescent ⁶	Voltage ⁷ 120=120V 208=208V 240=240V 277=277V 347=347V 480=480V DT =Dual-Tap Wired 277V ⁸ MT =Multi-Tap Wired 277V ⁸ TT =Triple-Tap Wired 347V ⁹ UNV =120-277V Universal Electronic Ballast	Optical System 2S=Type II 3S=Type III 4S=Type IV 5S=Type V SL=Spill Light Eliminator	Colors ¹¹ (add as suffix/must specify) BK=Black AP=Grey BZ=Bronze WH=White DP=Dark Platinum GM=Graphite Metallic	Options & Accessories (See Below)
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Accessories¹⁶
OA/RA1016=NEMA Photocontrol Multi-Tap 480V
OA/RA1027=NEMA Photocontrol 347V
OA/RA1201=NEMA Photocontrol 347V
VA1049-XX=Direct Wall Mount Kit¹⁷
VA1050-XX=Wall Mount Kit with 6 1/2" Arm¹⁷
VA1055-XX=6 1/2" Arm for Square Pole
VA1056-XX=9" Arm for Square Pole¹⁸
VA1057-XX=6 1/2" Arm for Round Pole
VA1059-XX=9" Arm for Round Pole¹⁸
VA1018-XX=Mast Arm Adapter Kit
VA1033-XX=Single Arm Tenon Adapter for 2 3/8" O D Tenon
VA1034-XX=2 @ 180° Tenon Adapter for 2 3/8" O D Tenon
VA1035-XX=3 @ 120° Tenon Adapter for 2 3/8" O D Tenon
VA1036-XX=4 @ 90° Tenon Adapter for 2 3/8" O D Tenon
VA1037-XX=2 @ 90° Tenon Adapter for 2 3/8" O D Tenon
VA1038-XX=3 @ 90° Tenon Adapter for 2 3/8" O D Tenon
VA1039-XX=2 @ 120° Tenon Adapter for 2 3/8" O D Tenon
VA1040-XX=Single Arm Tenon Adapter for 3 1/2" O D Tenon
VA1041-XX=2 @ 180° Tenon Adapter for 3 1/2" O D Tenon
VA1042-XX=3 @ 120° Tenon Adapter for 3 1/2" O D Tenon
VA1043-XX=4 @ 90° Tenon Adapter for 3 1/2" O D Tenon
VA1044-XX=2 @ 90° Tenon Adapter for 3 1/2" O D Tenon
VA1045-XX=3 @ 90° Tenon Adapter for 3 1/2" O D Tenon
VA1046-XX=2 @ 120° Tenon Adapter for 3 1/2" O D Tenon

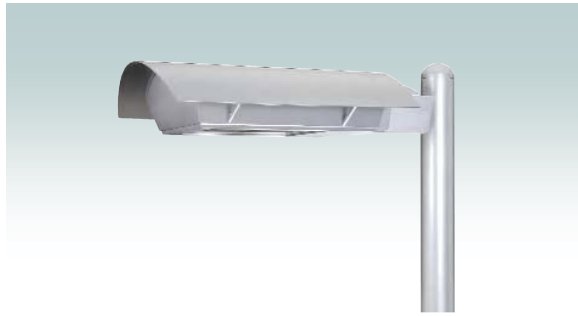
Certifications

IP66 Rated	U.L. 1598	3G Vibration Tested	FCO Full Cutoff
CSA Listed	40°C Ambient	ISO 9001	

WATTAGE TABLE	AEM
Metal Halide	175, 250, 400W
Pulse Start Metal Halide	250, 320, 350, 400W
High Pressure Sodium	150, 250, 400W
Compact Fluorescent	(2) 57, (2) 70

Options¹²
F=Single Fuse (120, 277 or 347V) Specify Voltage
FF=Double Fuse (208, 240 or 480V) Specify Voltage
Q=Quartz Restrike¹³
EM=Quartz Restrike with Time Delay (Also Strikes at Cold Start)¹³
EM/SC=Quartz Emergency Separate Circuit¹³
R=NEMA Twistlock Photocell Receptacle
PC=Button Type Photocontrol (Specify Voltage)
DS=Dual Fluorescent Switching Control¹⁴
HS=House Side Shield¹⁵
FR=Frosted Flat Glass Lens
L=Lamp Included

Notes: 1 Arm not included See accessories 2 All HID lamps are mogul-base 3 320/350W Pulse Start Metal Halide lamp only 4 400W Metal Halide requires reduced envelope ED28 lamp 5 Dual Compact Fluorescent lamp options available in Type 4S distribution only 6 Compact Fluorescent ballasts contain internal fusing No supplemental fusing is necessary CF ballasts are 120 through 277V Specify with UNV voltage designation 7 Products also available in non-US voltages and 60Hz for international markets Consult factory for availability and ordering information 8 Dual-tap is 120/277V wired 277V 9 Multi-tap is 120/208/240/277V wired 277V 10 Triple-tap is 120/277/347V wired 347V 11 Custom and RAL color matching available upon request Consult your INVUE Lighting Systems Representative for further information 12 Add as suffix in the order shown 13 Quartz options not available with SL optic 14 Dual switching requires dual 57W or dual 70W Compact Fluorescent lamps Allows independent switching control of each lamp through use of two (2) electronic ballasts Allows 50% power reduction when dual ballasts are independently wired and controlled 15 House side shield not available on 5S and SL optics 16 Order separately, replace XX with color suffix 17 For use in down lighting applications only 18 Use when mounting fixture heads at 90° increments 19 Specifications and dimensions subject to change without notice



Strut Architectural Area Luminaire

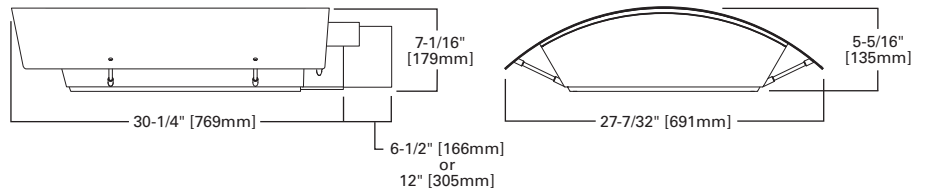
STRUT enhances the rectilinear form with a housing that blends effortlessly to traditional or ambitious architectural environments. STRUT brings two (2) housing sizes and a fluid form to match the culture in which it resides.

Strut Architectural Area Luminaire

- Two-piece heavy-wall, die-cast aluminum housing
- Continuous silicone gasketing provides IP66 fixture rating
- Impact resistant 1/8" thick tempered clear or optional frosted flat glass
- Toolless entry to housing is provided via two (2) flush mounted quick release latches
- Ballast and related electrical components are mounted to a reinforced one-piece die-cast aluminum power tray
- Choice of five (5) high efficiency segmented optical systems constructed of premium 95% reflective anodized aluminum sheet
- Mogul-base porcelain socket for HID lamp sources
- Housing and arm finished in a 5 stage premium TGIC polyester powder coat paint
- Approximate net weight: **STM** Strut Site Medium 51 lbs. (23 kgs.) EPA: 1.64, **STS** Strut Site Small 35 lbs. (16 kgs.), EPA: 1.03



STM Strut Site Medium



Ordering Information

SAMPLE NUMBER: STM-400-MH-MT-3S-BK-STR-L

Product Family ¹ STM=STRUT Site Medium STS STRUT Site Small also available See Cooper Lighting Buyers Guide 5th Edition pg 1090	Lamp Wattage HID ² 150=150W 175=175W 250=250W 320=320W ³ 350=350W ³ 400=400W ⁴ Compact Fluorescent 114=(2) 57W ⁵ 140=(2) 70W ⁵	Lamp Type MH= Metal Halide MP= Pulse Start Metal Halide HPS= High Pressure Sodium CF= Compact Fluorescent ⁶	Voltage ⁷ 120=120V 208=208V 240=240V 277=277V 347=347V 480=480V DT= Dual-Tap Wired 277V ⁸ MT= Multi-Tap Wired 277V ⁹ TT= Triple-Tap Wired 347V ¹⁰ UNV= 120-277V Universal Electronic Ballast	Optical System 2S= Type II 3S= Type III 4S= Type IV 5S= Type V SL= Spill Light Eliminator	Colors ¹¹ (add as suffix/must specify) BK= Black AP= Grey BZ= Bronze WH= White DP= Dark Platinum GM= Graphite Metallic	Structural Option (add as suffix) STR= Strut Rod Supports (Painted to match fixture)	Options & Accessories (See Below)
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Certifications			
IP66 Rated	U.L. 1598 Listed	3G Vibration Tested	
CSA Listed	40°C Ambient	ISO 9001	

WATTAGE TABLE	STM
Metal Halide	175, 250, 400W
Pulse Start Metal Halide	250, 320, 350, 400W
High Pressure Sodium	150, 250, 400W
Compact Fluorescent	(2) 57, (2) 70

Options ¹² F= Single Fuse (120, 277 or 347V) Specify Voltage FF= Double Fuse (208, 240 or 480V) Specify Voltage Q= Quartz Restrike ¹³ EM= Quartz Restrike with Time Delay (Also Strikes at Cold Start) ¹³ EM/SC= Quartz Emergency Separate Circuit ¹³ R= NEMA Twistlock Photocell Receptacle PC= Button Type Photocontrol (Specify Voltage) DS= Dual Fluorescent Switching Control ¹⁴ HS= House Side Shield ¹⁵ FR= Frosted Flat Glass Lens L= Lamp Included	Accessories ¹⁶ OA/RA1016= NEMA Photocontrol Multi-Tap OA/RA1027= NEMA Photocontrol 480V OA/RA1201= NEMA Photocontrol 347V VA1050-XX= STM Wall Mount Kit with 6 1/2" Arm ¹⁷ VA1055-XX= 6 1/2" Arm for Square Pole VA1069-XX= 12" Arm for Square Pole ¹⁸ VA1057-XX= 6 1/2" Arm for Round Pole VA1072-XX= 12" Arm for Round Pole ¹⁸ VA1018-XX= Mast Arm Adapter Kit VA1033-XX= Single Arm Tenon Adapter for 2 3/8" O D Tenon VA1034-XX= 2 @ 180° Tenon Adapter for 2 3/8" O D Tenon VA1035-XX= 3 @ 120° Tenon Adapter for 2 3/8" O D Tenon VA1036-XX= 4 @ 90° Tenon Adapter for 2 3/8" O D Tenon VA1037-XX= 2 @ 90° Tenon Adapter for 2 3/8" O D Tenon VA1038-XX= 3 @ 90° Tenon Adapter for 2 3/8" O D Tenon VA1039-XX= 2 @ 120° Tenon Adapter for 2 3/8" O D Tenon VA1040-XX= Single Arm Tenon Adapter for 3 1/2" O D Tenon VA1041-XX= 2 @ 180° Tenon Adapter for 3 1/2" O D Tenon VA1042-XX= 3 @ 120° Tenon Adapter for 3 1/2" O D Tenon VA1043-XX= 4 @ 90° Tenon Adapter for 3 1/2" O D Tenon VA1044-XX= 2 @ 90° Tenon Adapter for 3 1/2" O D Tenon VA1045-XX= 3 @ 90° Tenon Adapter for 3 1/2" O D Tenon VA1046-XX= 2 @ 120° Tenon Adapter for 3 1/2" O D Tenon
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Notes: 1 Arm not included See accessories 2 All HID lamps are mogul-base 3 320/350W Pulse Start Metal Halide lamps only 4 400W Metal Halide requires reduced envelope ED28 lamp 5 Dual Compact Fluorescent lamp options available in Type 4S distribution only 6 Compact Fluorescent ballasts contain internal fusing No supplemental fusing is necessary CF ballasts are 120 through 277V Specify with UNV voltage designation 7 Products also available in non-US voltages and 50Hz for international markets Consult factory for availability and ordering information 8 Dual-tap is 120/277V wired 277V 9 Multi-tap is 120/208/240/277V wired 277V 10 Triple-tap is 120/277/347V wired 347V 11 Custom and RAL color matching available upon request Consult your INVUE Lighting Systems Representative for further information 12 Add as suffix in the order shown 13 Quartz options not available with SL optic 14 Dual switching requires dual 57W or dual 70W Compact Fluorescent lamps Allows independent switching control of each lamp through use of two (2) electronic ballasts Allows 50% power reduction when dual ballasts are independently wired and controlled 15 House side shield not available on 5S and SL optics 16 Order separately, replace XX with color suffix 17 For use in down lighting applications only 18 Use when mounting fixture heads at 90° increments 19 Specifications and dimensions subject to change without notice



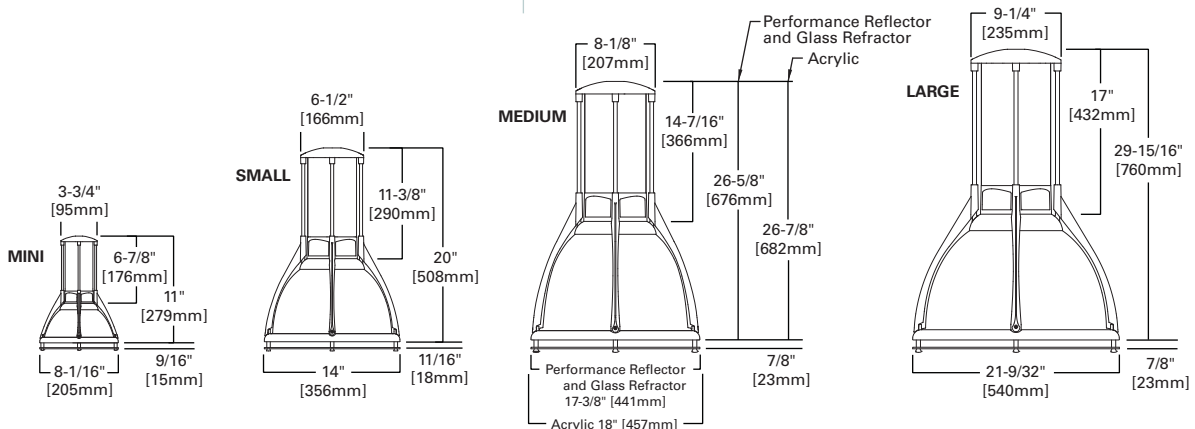
also available in Medium and Large sizes

AVID Decorative High-Bay Luminaire

Impact Flood's cylindrical form blends effortlessly to architectural and landscape environments. Available in wattages up to 175W Metal Halide and High Pressure Sodium, and up to 42W Compact Fluorescent. Impact Flood offers properly scaled solutions for any floodlighting application.

AVID Decorative High-Bay Luminaire

- Available in four scaled sizes, ideal for many different applications
- Cast aluminum construction makes the AVID series durable
- Complete optical offering delivers high efficiencies up to 96%
- Variety of optical choices including borosilicate glass lens, prismatic acrylic lens, high performance aluminum reflector and an optional shroud
- Lamping options include 20-400 watt metal halide, single and multi-lamp compact fluorescent, quartz halogen and incandescent
- Lens options include Clear Glass lens, Decorative Frosted Ring and Frosted Glass Lens
- Mounting includes Pendant for all sizes and Cable Mount for Mini and Small



Ordering Information

SAMPLE NUMBER FOR SMALL: AIS-100-MH-120-A12-M-I-SC-GM

Product Family AIS=AVID Series Small	Lamp Wattage HID 39=39WT6 G12 50=50W Medium Base 70=70W Medium Base 100=100W Medium Base Compact Fluorescent X=Number of Lamps X26=(1 or 2) 26W X32=(1 or 2) 32W X42=(1 or 2) 42W Quartz ¹ 250=250W Incandescent ¹ 200=200W Lamp Type MH=Metal Halide CF=Compact Fluorescent IN=Incandescent QZ=Quartz Halogen	Voltage 120=120V 208=208V 240=240V 277=277V UNV=120-277V MT=(standard 120/208/240/277)	Distribution N=Narrow M=Medium W=Wide Ballast Housing I=Integral	Mounting Options Pendant ⁴ P36=36" Pendant Kit P60=60" Pendant Kit P120=120" Pendant Kit Cable SC=Cable Mount with Straight Power Cord ³ (Standard Length 120") CC=Cable Mount with Coiled Power Cord ³ (Standard Length 4'-10")	Finish BK=Black AP=Grey BZ=Bronze WH=White DP=Dark Platinum GM=Graphite Metallic	Options F1=Single Fuse F2=Double Fuse LL=Lamp Included FGS=Frosted Glass Lens CGL=Clear Glass Lens DFR=Decorative Frosted Ring OR=Open Rated Socket
	Optical System Borosilicate Glass G12=12" Glass Refractor SG12=12" Shroud with Glass Refractor Aluminum A12=12" Performance Reflector ² Acrylic AC12=12" Clear Acrylic SAC12=12" Shroud with Clear Acrylic					

Notes: 1 Cannot be used with AC12 Optic 2 Shroud comes standard with Performance Reflector 3 Specify W for white cord, example: SCW 4 Pendant dimension refers to the distance from the mounting plane to the bottom of the fixture 5 Specifications and dimensions subject to change without notice

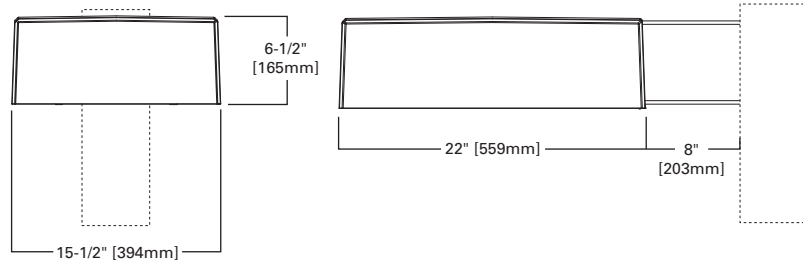


Tribute Area Luminaire

The Lumark Tribute is the most versatile, functionally designed, universally adaptable outdoor luminaire available. The Tribute brings outstanding performance to walkways, parking lots, roadways, loading docks, building areas, and any security lighting application. UL listed and CSA certified for wet locations. IP55 Rating.

Tribute Area Luminaire

- Rugged die-cast construction and classic form
- Contractor-friendly features such as toolless entry and an optional electrical power tray
- Available with nine (9) uniquely shaped optical distributions
- Whether selecting a high efficiency hydroformed optic or a premium 95% reflective segmented reflector, Tribute's optical versatility provides custom tailored lighting solutions for exacting site requirements
- Cooper's-exclusive SLE Spill Light Eliminator optic which provides outstanding cutoff behind the pole and maximum street-side reach.
- Offered in five (5) distinct mounting configurations, providing unrivaled versatility in mounting
- Housing and arm finished in a 5 stage premium TGIC bronze polyester powder coat paint
- Optional colors include black, grey, white, dark platinum and graphite metallic. RAL and custom color matches available
- UL listed for wet locations. CSA certified



Ordering Information

SAMPLE NUMBER: MHTR-SL-400-MT-LL

<p>Lamp Type HP=High Pressure Sodium MH=Metal Halide MP=Pulse Start MH (CWA)</p> <p>Series¹ TR=Tribute (Arm Included)</p>	<p>Distribution 2F=Type II Formed Segmented 3F=Type III Formed Segmented 4F=Type IV Formed Segmented 5F=Type V Formed Segmented 5S=Type V Segmented SL=Spill Light Eliminator</p> <p>Lamp Wattage² 70=70W 100=100W 150=150W 175=175W 250=250W 320=320W 400=400W</p>	<p>Voltage⁵ 120V=120V 208V=208V 240V=240V 277V=277V 347V=347V 480V=480V DT=Dual-Tap,⁶ wired 277V MT=Multi-Tap,⁶ wired 347V TT=Triple-Tap,⁶ wired 347V 5T=5 Tap,⁶ wired 480V</p>	<p>Options^{7*} F1=Single Fuse (120, 277 or 347V only)⁹ F2=Double Fuse (208, 240 or 480V only)⁹ Q=Quartz Restrike (Hot Strike Only)¹⁰ EM=Quartz Restrike with "Delay Relay" (Quartz lamp strikes at both hot and cold starts)¹⁰ EM/SC=Emergency Separate Circuit¹⁰ LL=Lamp Included S=1-1/4" - 2-3/8" Internal Mast Arm Mount TM=Trunnion Mount PT=Electrical Power Tray HS=House Side Cutoff" LA=Less Arm (Order Mounting Separately) PER=NEMA Twistlock Photocontrol Receptacle PC=Button Type Photocontrol WH=White BK=Black AP=AP Grey DP=Dark Platinum GM=Graphite Metallic</p>	<p>Accessories¹² MA1201-XX=Direct Wall Mount Kit1 MA1218-XX=Direct Mount for Pole1 MA1219-XX=Wall Mounting Plate OA1090-XX=Adjustable slipfitter Arm for Tenon Mount 2 3/8" O D 1 MA1221-XX=External House Side Shield Kit (EPA= 0 38) MA1222=External House Side Shield Kit for 2S/3S MA1223=Internal House Side Shield Kit 4S MA1224=Internal House Side Shield Kit for 2F/3F MA1225=Internal House Side Shield Kit for 4F MA1010-XX=Single Tenon Adapter for 3 1/2" O D Tenon MA1011-XX=2 @ 180 degrees Tenon Adapter for 3 1/2" O D Tenon MA1012-XX=3 @ 120 degrees Tenon Adapter for 3 1/2" O D Tenon MA1013-XX=4 @ 90 degrees Tenon Adapter for 3 1/2" O D Tenon MA1014-XX=2 @ 90 degrees Tenon Adapter for 3 1/2" O D Tenon MA1015-XX=2 @ 120 degrees Tenon Adapter for 3 1/2" O D Tenon MA1016-XX=3 @ 90 degrees Tenon Adapter for 3 1/2" O D Tenon MA1017-XX=Single Tenon Adapter for 2 3/8" O D Tenon MA1018-XX=2 @ 180 degrees Tenon Adapter for 2 3/8" O D Tenon MA1019-XX=3 @ 120 degrees Tenon Adapter for 2 3/8" O D Tenon MA1045-XX=4 @ 90 degrees Tenon Adapter for 2 3/8" O D Tenon MA1048-XX=2 @ 90 degrees Tenon Adapter for 2 3/8" O D Tenon MA1049-XX=3 @ 90 degrees Tenon Adapter for 2 3/8" O D Tenon OARA1016=Photoelectric Control 105-285V NEMA Type OARA1027=Photoelectric Control 480V NEMA Type OA/RA1021=Photoelectric Control 347V NEMA Type OARA1013=Shorting Cap TR/VS=Field Installed Vandal Shield13</p>
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Notes: 1 8 Inch Arm and pole adapter included with fixture. Specify Less Arm "LA" option when mounting accessory is ordered separately 2 Standard with mogul-base socket for 150-400W and medium-base socket 100W and below 3 320W Pulse Start Metal Halide lamps only 4 Requires reduced envelope lamp 5 Products also available in non-US voltages and 50HZ for international markets. Consult factory for availability and ordering information 6 Dual-Tap is 120/277V wired 277V Multi-Tap is 120/208/240/277V wired 277V Triple-Tap ballast is 120/277/347V wired 347V 5-Tap is 120/208/240/277/480V wired 480V 7 Custom and RAL color matching available upon request Consult Cooper Lighting Representative for further information 8 Add as a suffix 9 Must specify voltage 10 Quartz options not available with SL optics 11 House side shield not available on 5S, 5F, or SL optics 12 Order separately/replace XX with color specification 13 Not available with SLE or House Side Shield

LAMP TYPE	WATTAGE
Metal Halide	70, 100, 175, 250, 400W
High Pressure Sodium	70, 100, 175, 250, 400W
Pulse Start Metal Halide	150, 175, 250, 320, 400W



IP Impact Trapezoid Wall Mount Luminaire

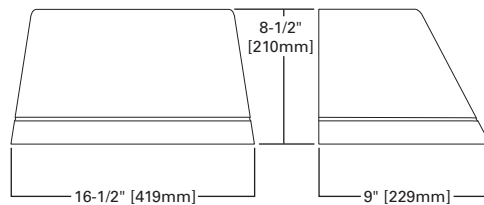
The IMPACT Trapezoid full cutoff wall luminaire makes an ideal complement to site design. UL Listed and CSA Certified for wet locations in down mount applications and damp locations in up mounted applications. Rugged construction and full cutoff classified optics provide facade and security lighting for light restricted zones surrounding the healthcare facility.

IP Impact Trapezoid Wall Mount Luminaire

- Two-piece die-cast aluminum housing
- Rigid steel mounting attachment fits directly to 4" J-Box or wall with "Hook-N-Lock" mechanism for quick installation
- HID luminaires supplied with high power factor ballast with Class H insulation. Minimum starting temperatures are -40°C (-40°F) for HPS and -30°C (-22°F) for MH. Compact Fluorescent luminaires feature program start, high efficient multi-voltage 50/60Hz ballast with -18°C (0°F) minimum starting
- Die-cast door features 1/8" heat- and impact-resistant clear tempered glass lens. Hinged door secured in place via two (2) captive fasteners
- Durable polyester powder coat finish. Standard color is bronze. Other finish colors available
- UL listed for wet locations. CSA certified
- Approximate net weight: 18 lbs. (8 kgs.)

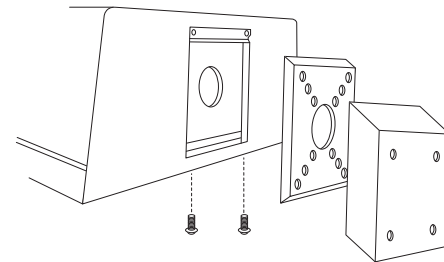


NOTE: In down light applications only



HOOK-N-LOCK MOUNTING

(Mounting attachment included J-Box not included)



Ordering Information

SAMPLE NUMBER: MHIP-T-150-MT-LL

<p>Lamp Type MH=Metal Halide HP=High Pressure Sodium PL=Compact Fluorescent</p> <p>Also available in Medium size See Cooper Lighting Buyers Guide 5th Edition pg 567</p>	<p>Fixture Type IP=IMPACT</p>	<p>Fixture Shape T=Trapezoid</p>	<p>Lamp Wattage HID¹ 50=50W² 70=70W³ 100=100W 150=150W 175=175W⁴ Compact Fluorescent⁵ 26/32/42=26, 32, or 42W 52=(2) 26W⁶ 64=(2) 32W⁶ 84=(2) 42W⁶</p>	<p>Voltage⁷ 120V 208V 240V 277V 347V 480V DT=Dual-Tap⁸ MT=Multi-Tap⁹ TT=Triple-Tap¹⁰ E=Electronic Ballast¹¹</p>	<p>Options & Accessories (See Below)</p>
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LAMP TYPE	WATTAGE
Metal Halide	50, 70, 100, 175W
High Pressure Sodium	50, 70, 100, 150W
Compact Fluorescent	26, 32, 42, 52, 64, 84W

Options¹³
F1=Single Fuse (120, 277 or 347V) Must Specify Voltage
F2=Double Fused (208 or 240V) Must Specify Voltage
TR=Tamper Resistant Screw (Door and Mounting Plate)
PE=Button Photocontrol (Must Specify Voltage)
UPL10=10% Uplight
LL=Lamp Included (Must Specify Wattage on PL)¹⁴
BK=Black
WH=White
Q=Quartz Restrike T4 Lamp^{6 15 16 17 18}
EM=Emergency Quartz Restrike T4 Lamp With Time Delay Relay^{6 15 16 17 18}
EM140-XXX=CFL Cold Weather Emergency Battery Pack (Must Specify 120 or 277V)^{6 19 20}
CF/EM-XXX=Emergency Battery Pack (Must Specify 120 or 277V)^{6 19 21}
QMR=Quartz Restrike MR16 Lamp^{6 17 18 22}
EMMR=Emergency Quartz Restrike MR16 Lamp With Time Delay Relay^{6 17 18 22}
EM/SC=Emergency Separate Circuit T4 Lamp^{16 18 23}
EM/SC/MR=Emergency Separate Circuit MR16 Lamp^{22 23}
EM/SC/12V=Emergency Separate Circuit (12V)²⁴
2QMR=(2) Quartz Restrike MR16 Lamps^{6 17 18 22}
2EMMR=(2) Emergency Quartz Restrike MR16 Lamps With Time Delay Relay^{6 17 18 22}
2EM/SC/MR=(2) Emergency Separate Circuit MR16 Lamps^{22 23}
2EM/SC/12V=(2) Emergency Separate Circuit MR16 Lamps (12V)²⁴
2QMR/SC=(1) Quartz Restrike MR16 Lamp and (1) Emergency Separate Circuit MR16 Lamp^{6 17 18 22 23}
2EMMR/SC=(1) Emergency Quartz Restrike MR16 Lamp with Time Delay Relay and (1) Emergency Separate Circuit MR16 Lamp^{6 17 18 22 25}

Notes: 1 All HID lamps are medium-base 2 Available only in 120 or 277V and Dual-Tap 3 Not available in 480V 4 Metal Halide only 5 52W is (2) 26W quad tube lamps 32, 42, 64, 84W use compact triple tube CF lamps 6 Not available with uplight option 7 Products also available in non-US voltages and 50Hz for international markets Consult your Cooper Lighting Representative for availability and ordering information 8 Dual-Tap ballast are 120/277V wired 277V 9 Multi-Tap ballast are 120/208/240/277V wired 277V 10 Triple-Tap ballast are 120/277/347V wired 347V 11 Supplied with 120V through 277V 50/60Hz for Compact Fluorescent 12 Painted bronze Supplied with lamp and Multi-Tap HPF ballast wired 277V 13 Add as suffix in the order shown 14 Lamp is Cooper Lighting designated product based on luminaire requirements Specified lamps must be ordered as a separate line item 15 The power might need to cycle and allow HID lamp to cool in warm climates Available up to 175W HID 16 For use with T4 double contact DC bayonet base, 100W maximum, 120V halogen lamp by others 17 Lamps wired to quartz restrike relay 18 Not available with CFL 19 Battery pack will operate up to 42W CFL lamp for 90 minutes 20 CF lamps only, rated for minimum temperature of 0°F (-18°C), available with 52W CFL maximum, heater rated for 300W with thermostat control 21 CF lamps only, rated for minimum temperature of 32°F (0°C), available with 52W CFL maximum 22 For use with MR16, GU10 base, 50W maximum, 120V halogen lamp by others 23 Leads run out back for connection to auxiliary 120V circuit 24 Supplied with 12V Bi-pin socket for connection to emergency battery pack (supplied by others) For use with MR16, GU5.3 base, 35W maximum, 12V halogen lamp by others 25 (1) Lamp wired quartz restrike, (1) lamp wired emergency separate circuit, leads run separate out back 26 Consult your Cooper Lighting Representative for availability and ordering information 27 Specifications and dimensions subject to change without notice



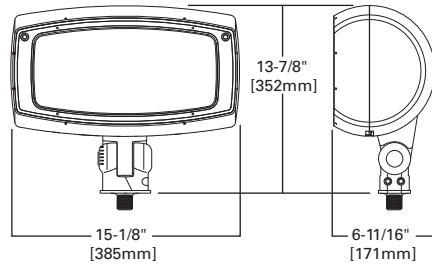
MS Impact Flood Flood Luminaire

Impact Flood's cylindrical form blends effortlessly to architectural and landscape environments. Available in wattages up to 175W Metal Halide and High Pressure Sodium, and up to 42W Compact Fluorescent. Impact Flood offers properly scaled solutions for any floodlighting application.

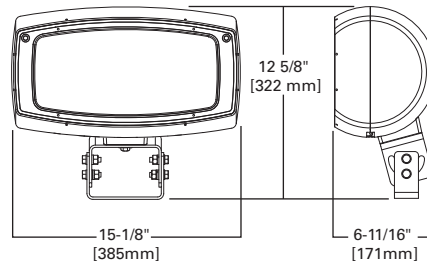
MS Impact Flood Flood Luminaire

- Rugged one-piece die-cast aluminum housing. One-piece extruded silicone gasket seals the optical and electrical compartment from external contaminants. IP65 rated
- Die-cast aluminum door is secured via two (2) tamper resistant stainless steel allen head fasteners
- Impact resistant, clear flat tempered glass sealed to door with a one-piece silicone gasket
- Available in horizontal or vertical lamp orientation. Optics feature medium-base lamp holders for HID
- High power factor ballast is heat sunk to housing for cooler operation and longer life
- Heavy-duty die-cast aluminum knuckle mount utilizes tooth-lock adjustment mechanism for solid engagement and ease of aiming. Optional heavy-gauge adjustable steel trunnion mount provides additional durability when required
- Approximate net weight: 25 lbs. (11.36 kgs.)

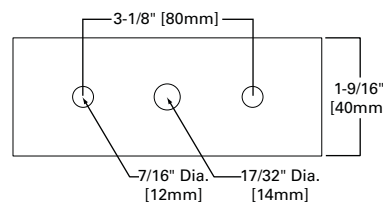
Knuckle Mount



Trunnion Mount



TRUNNION DRILL PATTERN



EPA-Effective Projected Area: 112

Ordering Information

SAMPLE NUMBER: MHMS-K-HF-175-MT-LL

<p>Lamp Type MH=Metal Halide HP=High Pressure Sodium CF=Compact Fluorescent</p>	<p>Fixture Type MS=Impact Flood Small</p>	<p>Mounting Type K=Knuckle T=Trunnion</p>	<p>Distribution HF=Horizontal Flood VF=Vertical Flood</p>	<p>Lamp Wattage HID¹ 50=50W 70=70W 100=100W 150=150W 175=175W Compact Fluorescent² 26/32/42=26, 32, 42W</p>	<p>Voltage³ 120V 208V 240V 277V 347V 480V MT=Multi-Tap⁴ TT=Triple-Tap⁵ DT=Dual-Tap⁶ UNV=120-277V Electronic Ballast⁷</p>	<p>Options & Accessories (See Below)</p>
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Also available in Medium size See Cooper Lighting Buyers Guide 5th Edition pg 557

- Options⁸**
 Q=Quartz Relay (DC Bayonet Base)
 EM=Quartz Emergency Cold Start Time Delay Relay
 EM/SC=Quartz Emergency Separate Circuit
 F=Single Fuse (120, 277 or 347V Specify Voltage)
 FF=Double Fuse (208, 240 or 480V Specify Voltage)
 PE=Button Photocontrol (Specify Voltage)
 WH=White⁹
 BK=Black⁹
 AP=Grey⁹
 LL=Lamp Included
 (Must Specify Single Wattage with Fluorescent)

- Accessories¹⁰**
 MS/BD-XX=Barn Doors (EPA 103)
 MS/TV-XX=Top Visor (EPA 51)
 MS/4V-XX=Four Sided Shield (EPA 87)
 MS/VS=Vandal Shield
 MS/WG=Wire Guard
 MS/JB-XX=Architectural J-Box
 MS/SF-XX=Slipfitter
 MS/TMA-XX=Twin Mount Arm (EPA 35)
 MS/WMA-XX=Wall Mount Arm (EPA 22)
 MS/WM-XX=Wall Mount

LAMP TYPE	WATTAGE
Metal Halide	50, 70, 100, 175W
High Pressure Sodium	50, 70, 100, 150W
Compact Fluorescent	26, 32, 42W

Notes: 1 All lamps are medium-base 2 4-pin fluorescent sockets standard for PL lamps 3 Products also available in non-US voltages and 50Hz for international markets Consult factory for availability and ordering information 4 Multi-Tap is 120/208/240/277V wired 277V 5 Triple-Tap ballast is 120/277/347V wired 347V 6 Dual-Tap is 120/277V wired 277V 7 Compact Fluorescent lamps only, 120-277V with internal fusing 8 Add as suffix in the order shown 9 Other finish colors available Consult your Cooper Lighting representative 10 Order separately, replace XX with color suffix 11 Specifications and dimensions subject to change without notice



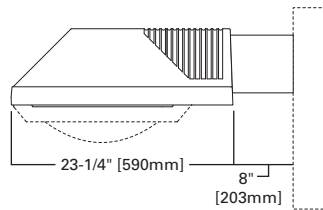
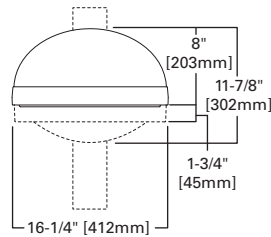
Talon Architectural Area Luminaire

The McGraw-Edison Talon is the most versatile, functionally designed, universally adaptable outdoor luminaire available. The Talon brings outstanding performance to walkways, parking lots, roadways, loading docks, building areas, and any security lighting application. U.L. listed and CSA certified for wet locations. IP65 Rated.

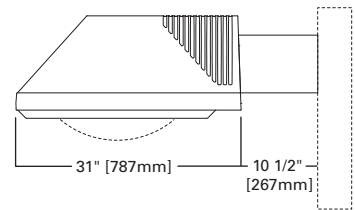
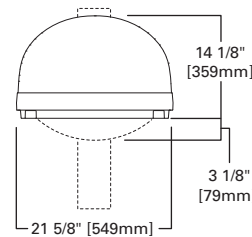
Talon Architectural Area Luminaire

- Sleek, architectural design available in two (2) housing sizes up to 1000W HID
- Thick wall die-cast aluminum construction
- Channel set silicone gasketing that forms an impenetrable IP65 barrier optimizing electrical component operation and fixture longevity
- Choice of fourteen (14) high efficiency, field rotatable optical systems
- Unrivaled Spill Light Eliminator optic for areas mandating strict light trespass control
- Proprietary Hi-Low dimming option provides up to 50% energy savings
- Compliance solutions for spill light control, emergency egress, energy efficiency and curfew codes

DIMENSIONS - Medium



DIMENSIONS - Large



Ordering Information

SAMPLE NUMBER: TLM-400-MH-MT-3F-FG-BK-HS

<p>Product Family¹ TLM=Talon Site Medium</p> <p>Lamp Wattage² 70=70W 100=100W 150=150W 175=175W 200=200W^{3,4} 250=250W 320=320W^{3,4} 350=350W^{3,4} 400=400W⁴</p> <p>Lamp Type MH=Metal Halide MP=Pulse Start Metal Halide HPS=High Pressure Sodium</p> <p>Voltage⁵ 120=120V 208=208V 240=240V 277=277V 347=347V 480=480V</p> <p>DT=Dual-Tap⁶ MT=Multi-Tap⁶ TT=Triple-Tap⁶ 5T=5-Tap^{6,7}</p>	<p>Distribution Horizontal Lamp 2F=Type II Formed 2S=Type II Segmented 3F=Type III Formed 3S=Type III Segmented 4F=Type IV Formed 4S=Type IV Segmented 5F=Type V Formed 5S=Type V Segmented SL=Spill Light Eliminator AF=Automotive Front Row</p> <p>Vertical Lamp 3V=Type III Vertical⁸ 4V=Type IV Automotive Perimeter⁸ AR=Area Round⁸ AS=Area Square⁸</p>	<p>Options (add as suffix) F=Single Fuse (120, 277 or 347V)¹⁰ FF=Double Fuse (208, 240 or 480V)¹⁰ Q=Quartz Restrike¹¹ EM=Quartz Restrike w/Delay (Also Strikes at Cold Start)¹¹ EM/SC=Quartz Emergency Separate Circuit¹¹ PT=Electrical Power Tray P=Button Type Photocontrol (120, 208, 240 or 277V)¹⁰ R=NEMA Twistlock Photocontrol Receptacle HS=Internal House-side Shield¹² VS=Polycarbonate Vandal Shield DD=Deep Door WM=Wall Mount with 8" Arm DM=Direct Mount for Round or Square Pole DW=Direct Wall Mount MS=External Mast Arm Adapter HL=Hi/Low Dimming¹³ L=Lamp Included</p>	<p>Accessories (order separately/replace XX with color designation) OA/RA1016=NEMA Photocontrol (105-285V) OA/RA1027=NEMA Photocontrol (480V) OA/RA1201=NEMA Photocontrol (347V) OA/RA1013=Shorting Cap MA1010-XX=Single Tenon Adapter for 3 1/2" O D Tenon MA1011-XX=2 @ 180° Tenon Adapter for 3 1/2" O D Tenon MA1012-XX=3 @ 120° Tenon Adapter for 3 1/2" O D Tenon MA1013-XX=4 @ 90° Tenon Adapter for 3 1/2" O D Tenon MA1014-XX=2 @ 90° Tenon Adapter for 3 1/2" O D Tenon MA1015-XX=2 @ 120° Tenon Adapter for 3 1/2" O D Tenon MA1016-XX=3 @ 90° Tenon Adapter for 3 1/2" O D Tenon MA1017-XX=Single Tenon Adapter for 2 3/8" O D Tenon MA1018-XX=2 @ 180° Tenon Adapter for 2 3/8" O D Tenon MA1019-XX=3 @ 120° Tenon Adapter for 2 3/8" O D Tenon MA1045-XX=4 @ 90° Tenon Adapter for 2 3/8" O D Tenon MA1048-XX=2 @ 90° Tenon Adapter for 2 3/8" O D Tenon MA1049-XX=3 @ 90° Tenon Adapter for 2 3/8" O D Tenon MA1213-XX=External House-side Shield Kit [EPA=0 38]</p>
<p>Lens Type FG=Flat Glass SG=Sag Glass</p> <p>Colors (add as suffix/must specify)⁹ BK=Black AP=Grey BZ=Bronze WH=White DP=Dark Platinum GM=Graphite Metallic</p>			

Notes: 1 8" arm and round pole adapter included with fixture 2 Standard with mogul-base socket for HPS, MH and 250-400W MP Standard with medium-base socket for 200W MP and below 3 200/320/350W Pulse Start Metal Halide lamps only 4 Requires reduced envelope lamp 5 Products also available in non-US voltages and 50Hz for international markets Consult factory for availability and ordering information 6 Dual-Tap is 120/277V wired 277V Multi-Tap is 120/208/240/277V wired 277V Triple-Tap ballast is 120/277/347V wired 347V 5-Tap is 120/208/240/277/480V wired 480V 7 Available for 250-400W only 8 Vertical lamp optics ship standard with deep door 250-400W not available with flat glass 9 Custom and RAL color matching available upon request Consult Cooper Lighting Representative for further information 10 Must specify voltage 11 Quartz options not available with SL and AF optics 12 House-side shield not available on 5S, 5F, AS, AR, and SL optics 13 Requires vertical lamp orientation Provides 24V low voltage leads used in dimming control 14 Specifications and dimensions subject to change without notice

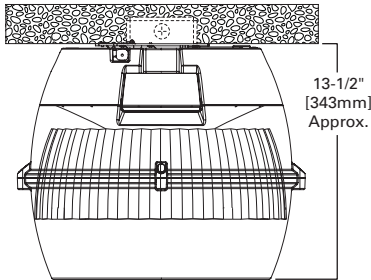


EPL Envoy Parking Garage Luminaire

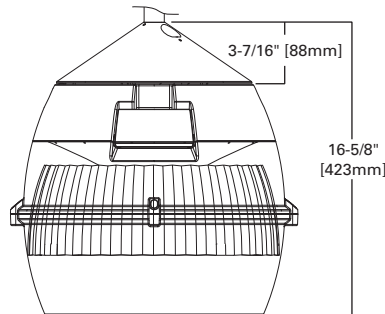
- Universal J-box Mounting plate
- Hook 'n' Hang System for hands free wiring
- Slide 'n' Lock Engagement
- Toolless access to lamp and electrical
- Toolless fixture release and removal
- IP 66 Rated
- Multiple shield options including house side shield and drive lane shield
- 6 different mounting configurations including a Wall Mount Arm Accessory
- 26 different emergency "path of egress" solutions

EPL Envoy Parking Garage Luminaire

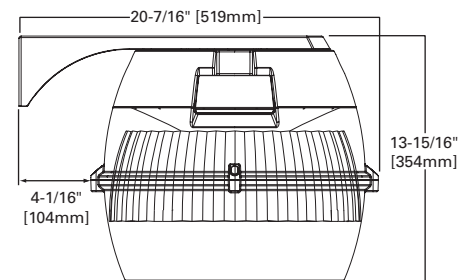
The McGraw Edison Envoy (EPL) is a unique presentation of form, function and unmatched versatility, making it the right choice for complex garage lighting applications. A toolless accessible housing, lens and electrical access is standard. Envoy offers solutions addressing primary and egress lighting needs for garages, canopies and other installations where maintenance, performance and longevity are required. UL and C-UL US listed for wet locations under UL1598. IP66 Rated.



Standard J-Box Mount [Recessed]
The J-Box is recessed/cast into ceiling. Envoy is attached using the quick mount release bracket system.

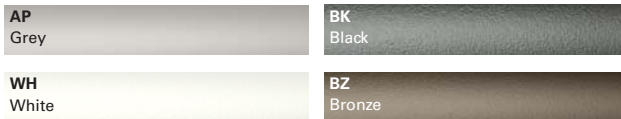


Pendant BOX/Bird Guard [PBG]
The pendant box accessory also acts as a bird guard and may be used with a free swinging or rigid pendant system, allowing the fixture to level and hang straight. Envoy is attached using the same quick mount release bracket similar to J-Box installation.



Wall Mount [WM]
The wall mount arm allows you to match path or perimeter lighting within or outside the garage. Envoy is attached using the same quick mount release bracket similar to J-Box installation. Power is routed in wall and through access hole within arm to fixture.

Standard Colors



Ordering Information

SAMPLE NUMBER: EPL-175-MP-MB-MT-TG-AP-L-EM/SC

Product Family	Lamp Wattage			Lamp Type	Ballast	Voltage	Distribution	Color	Options + Accessories
EPL=Envoy Parking Luminaire	MH	HPS	CF	MH=Metal Halide	MB=Magnetic Ballast	120=120V	RD=Round	[add as suffix/must specify]	
	175=175W	70=70W	84= (2) 42W	MP=Pulse Start Metal Halide	EB=Electronic Ballast	208=208V	SQ=Square	AP=Grey	
	MP	100=100W	114= (2) 57W	HPS=High Pressure Sodium		240=240V	TG=Rectangular	BK=Black	
	70=70W	150=150W	126= (3) 42W	CF=Compact Fluorescent		277=277V		BZ=Bronze	
	100=100W	Induction	140= (2) 70W	QL=Induction		480=480V		WH=White	
	150=150W	85= 85W	168= (4) 42W			DT=Dual-Tap w/277V			
	175=175W					MT=Multi-Tap w/277V			
	200=200W					TT=Triple-Tap w/347V			

Notes: See specification sheet at www.mcgraw-edison.com for complete ordering information. Specifications & dimensions are subject to change without notice.



Rio™ I235-RD Architectural Step Lights

Rio architectural step lights provide beauty, performance and durability. Transitional styling, low profile design and no visible fasteners provide seamless integration with architectural styles of all kinds. Logical, modular design elements facilitate fast and foolproof installation in all types of wall surfaces including drywall, concrete pour or brick/masonry. All models include IP68 rated outdoor protection, but are also suitable for indoor wall-mounted applications. All models are ADA compliant.

Rio™ I235-RD Architectural Step Lights

Construction

Back box and painted fascia are die-cast from corrosion-resistant Type 383 aluminum alloy. Back box is painted white. Natural metal fascia is precision-machined from solid brass or stainless steel.

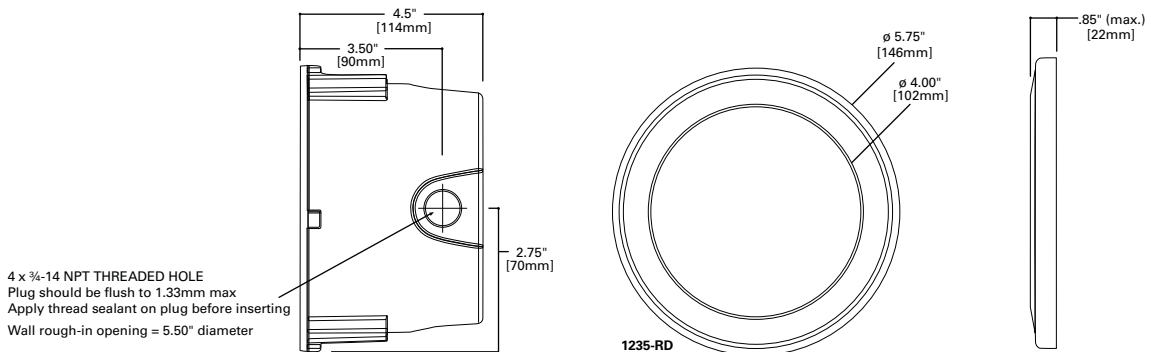
Finish

Back box and fascia are double protected by a chromate conversion undercoating and polyester powdercoat paint finish. Machined, natural finish brass or stainless steel fascia is unpainted to reveal the natural beauty of the material. Brass will patina naturally over time in outdoor environments.

Electrical

Fixture includes integral, electronic ballast, transformer or LED driver mounted to Lumière's factory-assembled POWER-TRAY(TM) optical/electrical module. The POWER-TRAY™ module plugs directly into the back box providing fast, easy installation.

- Integral electronic gear
- Factory assembled Power-Tray™
- Fascia adjusts 20° for proper alignment
- ADA compliant
- IP68 rated outdoor protection
- UL/cUL listed
- Three (3) year warranty
- Available in other configurations (see Cooper Lighting 5th Edition Buyer's Guide, pgs. 1048-1049)



Ordering Information

SAMPLE NUMBER: 1235C-RD-C-20T3-120/12-BZ-LBB

MODEL	WALL TYPE	SOURCE	VOLTS	FINISH	OPTIONS
1235-RD	5" round, open fascia	12V Halogen	12V Halogen	Painted	Advance Ship Back Box (select LBB option and order back box separately) LBB Less back box
1235C-RD	5" round, cross fascia	20T3 20W / T3 / G4	120/12	BK Black	
1235E-RD	5" round, eyelid fascia		277/12	BZ Bronze	1235-BB-C Back Box & cover for poured concrete
1235L-RD	5" round, louver fascia	LED	LED	CS City silver	
		4LED 4W / LED	120/12	VE Verde	1235-BB-D Back Box & cover for drywall
				WT White	1235-BB-M Back Box & cover for masonry
				Natural Metal	
				NBR Brass	
				NSS Stainless steel	

Fixture includes integral electronic gear
Lamp not included except for LED sources



Zuma 1203 Series Architectural Step Lights

Material

Mounting base is machined from corrosion-resistant 6060-T6 aluminum billet. Faceplate/housing is cast from corrosion-resistant silicone aluminum.

Finish

Fixtures are double protected by a chromate conversion undercoating and polyester powdercoat paint finish, surpassing the rigorous demands of the outdoor environment. A variety of standard colors are available.

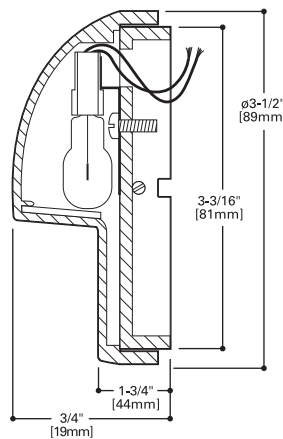
Electrical

Remote 12V transformer required (not included). Available from Lumière as an accessory

Zuma 1203 Series Architectural Step Lights

The Zuma 1203 is a rugged and attractive ADA-compliant step light for use with a low voltage, 13W incandescent lamp (provided). It mounts directly to any non-combustible surface, yet projects only 1-3/4" from the mounting surface. The adjustable 'eyelid' style faceplate rotates 360° and shields the lamp source to provide soft, comfortable illumination.

- Cast aluminum "eyelid" rotates 360°
- Surface-mounted machined alum. base
- Stainless steel hardware
- ADA compliant
- UL/cUL listed
- Three (3) year warranty



Ordering Information

SAMPLE NUMBER: 1203-INC13-12-BK

MODEL	SOURCE	VOLTS	FINISH
1203 Aluminum / rotates 360° / surface mount	Incandescent INC13 13W / T5 / wedge <i>12V remote transformer required - not included Lamp included</i>	12	Painted BK Black BZ Bronze CS City silver VE Verde WT White



Zuma 1201 Series Architectural Step Lights

The Zuma 1201 series is a rugged ADA-compliant recessed mounted step light for use with a low voltage, T4 halogen lamp (provided). The housing and faceplate are die-cast from corrosion-resistant silicone aluminum alloy. Model 1201-LA includes a louvered faceplate; model 1201-OA features an open faceplate. Both can be mounted in non-combustible surfaces such as brick, concrete or stone.

Zuma 1201 Series Architectural Step Lights

Material

Face plate and recessed mounted housing are corrosion-resistant die-cast silicone aluminum. Housing includes two 1/2" NPS threaded holes for easy through wiring. Recessed housing is available to ship in advance of complete fixture for rough-in purposes (specify option - LBB and order recessed housing separately).

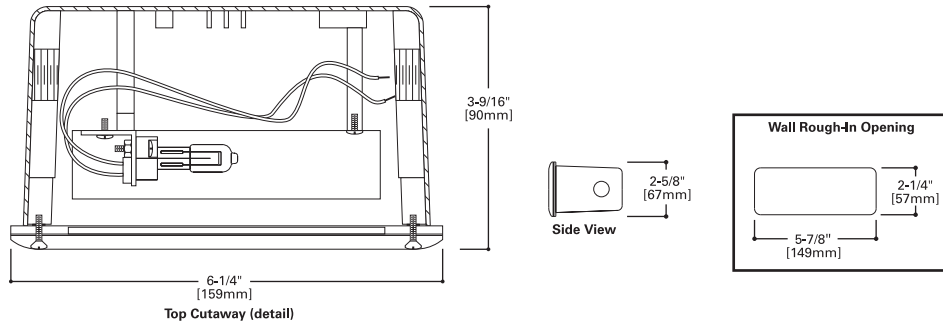
Finish

Fixtures are double protected by a chromate conversion undercoating and polyester powdercoat paint finish, surpassing the rigorous demands of the outdoor environment. A variety of standard colors are available.

Electrical

Remote 12V transformer required (not included). Available from Lumière as an accessory - see the Accessories & Technical Data section of this catalog for details.

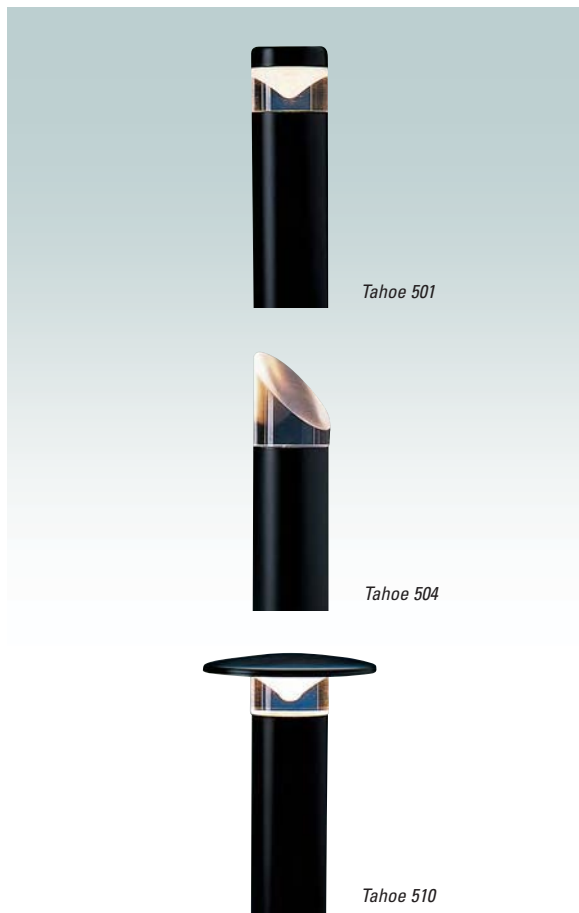
- Louvered die-cast aluminum face plate
- Recess-mounted die-cast alum. housing
- Specular pebblestone aluminum reflector
- Stainless steel hardware
- ADA compliant
- UL/cUL listed
- Three (3) year warranty



Ordering Information

SAMPLE NUMBER: 1201-LA-35T4-12-BK

MODEL	SOURCE	VOLTS	FINISH	OPTIONS
1201-LA	Louvered aluminum face / recess mount	12	Painted BK Black BZ Bronze CS City silver VE Verde WT White	CL Diode connection for increased lamp life MB Mounting brackets for metal or concrete
1201-OA	Open aluminum face / recess mount			
	Halogen 35T4 35W / T4 / GY6.35 <i>12V remote transformer required - not included Lamp included</i>			



Tahoe 501/504/510 Mini-Bollards

Material

Precision-machined from corrosion-resistant 6061-T6 aluminum extrusion.

Finish

Double protected by a chromate conversion undercoating and polyester powdercoat paint finish.

Electrical

Remote 12V step-down transformer required (not included).

See Accessories & Technical Data section for ordering information.

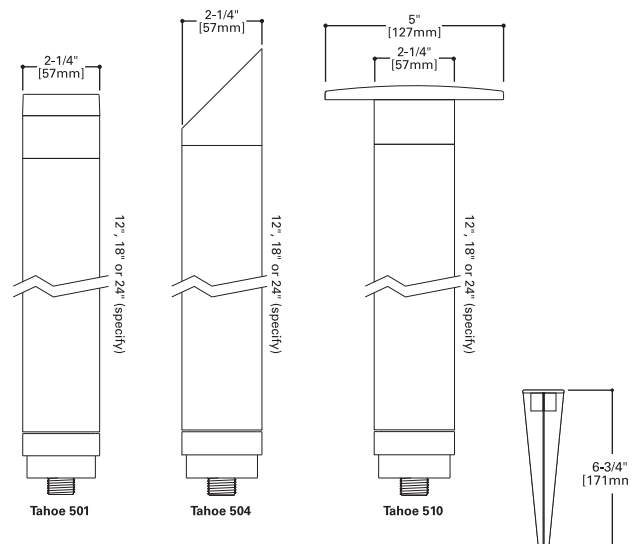
Labels & Approvals

UL and cUL listed, standard wet label. Manufactured to ISO 9001-2000 Quality Systems Standard. IBEW union made.

- Includes cast zinc mounting spike
- Machined aluminum construction
- Machined clear acrylic lens
- Stainless steel hardware
- UL/cUL listed
- Three (3) year warranty

Tahoe 501/504/510 Mini-Bollards

Tahoe mini-bollards are petite, yet rugged low voltage beacons in three distinct styles. They utilize a 20-watt MR16 lamp source and are ideal for a variety of commercial and residential applications. Each model is available in three sizes and includes a cast zinc ground spike for fast, easy installation. Lumière's exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires.



Ordering Information

SAMPLE NUMBER: 501-12-20MR16-12-BK

MODEL	SIZE	SOURCE	VOLTS	FINISH
501 Mini-bollard with 6-3/4" mounting spike	12	Halogen 20MR16 20W / MR16 / GU5.3	12	Painted
504 Mini-bollard with 6-3/4" mounting spike	18	12V remote transformer required - not included		BK Black
510 Mini-bollard with 6-3/4" mounting spike	24	Lamp included 6-3/4" ground spike included		BZ Bronze
				CS City silver
				VE Verde
				WT White



Sedona 1800-24 Bollard

Sedona is a bollard unlike any other. It utilizes a decorative, edge lit glass block lens. This unique and patented concept provides a functional, low-glare source of light in an attractive, sculptural form. Model 1800-24 lamp source selections include compact fluorescent, incandescent PAR lamps or low voltage MR16 halogen. Our patented LumaLevel™ leveling system provides quick installation, easy adjustment, secure mounting and protection from vibration.

Sedona 1800-24 Bollard

Material

Precision-machined from corrosion-resistant 6061-T6 aluminum extrusion. Mounting base is cast from silicone aluminum alloy.

Finish

Double protected by a chromate conversion undercoating and polyester powdercoat paint finish.

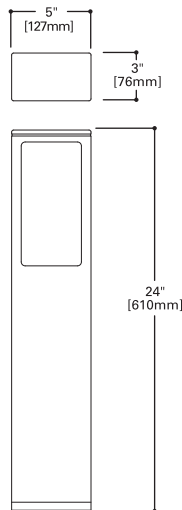
Electrical

CF42: Includes integral electronic ballast (120/277V). Universal GX24q socket accepts 26W, 32W and 42W 4-pin lamps. 50PAR20: Operates with line voltage (120V). 50MR16: step-down transformer required (not included). Specify option IT for integral transformer. See Accessories & Technical Data section for remote transformers.

Labels & Approvals

UL and cUL listed, standard wet label. Manufactured to ISO 9001-2000 Quality Systems Standard. IBEW union made.

- Includes anchor bolts & template
- Decorative edge-lit glass block lens
- Patented LumaLevel™ mounting/leveling system
- Stainless steel hardware
- UL/cUL listed
- Three (3) year warranty
- Available in other configurations see 5th Edition Buyer's Guide pg. 1045.



Ordering Information

SAMPLE NUMBER: 1800-24-CF42-120-BK

MODEL	SIZE	SOURCE	VOLTS	FINISH	OPTIONS
1800 24" x 5" x 3" bollard	24	<i>Compact Fluorescent</i> CF42 26W, 32W, or 42W / triple tube / universal GX24q <i>Includes integral universal electronic ballast (120-277V)</i> <i>Lamp not included</i>	120 277	<i>Painted</i> BK Black BZ Bronze CS City silver VE Verde WT White	IT Integral transformer for 12V MR16 source <i>See "Accessories & Technical Data" section of catalog for remote transformers</i>
		<i>Incandescent</i> 50PAR20 50W / PAR20 / medium <i>Lamp not included</i>	120		
		<i>Halogen</i> 50MR16 50W / MR16 / GU5.3 <i>12V remote or integral transformer required - not included</i> <i>Lamp not included</i>	120/12 277/12		
					<i>To ship anchor bolt/template kit in advance</i> LAB Less anchor bolts & template (order kit separately - 7581-01)



Monaco 2003 Accent/Flood: Low Voltage

Monaco 2003 is an extremely compact and attractive MR16 low voltage fixture. The fully adjustable mounting stem provides 200° tilt and 360° rotation for easy aiming. Vertical and horizontal aim-locking mechanisms are standard. Various lenses, louvers and color or dichroic filters can be combined up to three at once to create multiple lighting effects. Lumière's exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires.

Monaco 2003 Accent/Flood: Low Voltage

Material

Precision-machined from corrosion-resistant 6061-T6 aluminum or solid brass, bronze, copper or stainless steel.

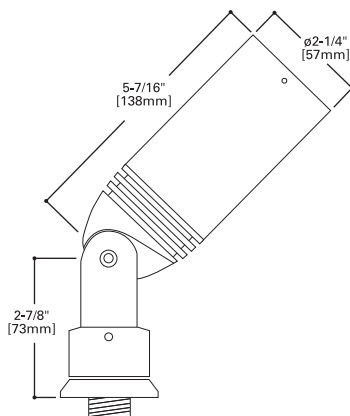
Finish

6061-T6 aluminum is double protected by a chromate conversion undercoating and polyester powdercoat paint finish. Brass, bronze, copper and stainless steel is unpainted to reveal the natural beauty of the material. Brass, bronze and copper will patina naturally over time.

Electrical

Remote 12V step-down transformer required (not included). See Accessories & Technical Data section for ordering information.

- 200° tilt, 360° rotation
- Precision machined materials
- Stainless steel hardware
- S.P.S. Siphon Protection System
- Holds up to 3 optical accessories
- UL/cUL listed
- Three (3) year warranty



Ordering Information

SAMPLE NUMBER: 2003-50MR16-12-BK

MODEL	SOURCE	VOLTS	FINISH
2003 1/2" NPS adjustable rotational stem	Halogen	12	<i>Painted</i>
	50MR16 50W / MR16 / GU5.3 <i>12V remote transformer required - not included Lamp not included</i>		BK Black BZ Bronze CS City silver VE Verde WT White
			<i>Metal</i>
			NBR Brass NBZ Bronze NCP Copper NSS Stainless steel



Cambria 203 Accent/Flood: Low Voltage

Material

Housing, hood and mounting stem are precision-machined from corrosion-resistant 6061-T6 aluminum billet, brass, bronze, copper or stainless steel.

Finish

Fixtures constructed from 6061-T6 aluminum are double protected by a chromate conversion undercoating and polyester powdercoat paint finish, surpassing the rigorous demands of the outdoor environment. A variety of standard colors are available.

Electrical

Remote 12V transformer required (not included). Available from Lumière as an accessory.

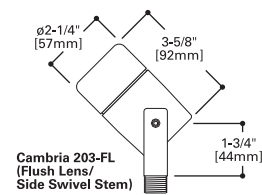
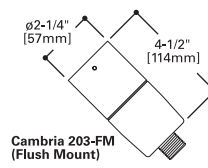
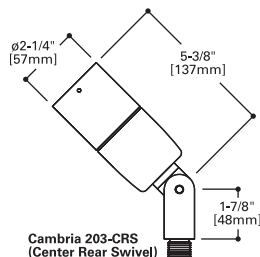
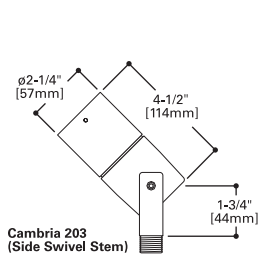
Labels & Approvals

UL and cUL listed, standard wet label. IP65 rated. Manufactured to ISO 9001-2000 Quality Systems Standard. IBEW union made. Approved by New York City Dept. of Buildings, Bureau of Electrical Control for use in NYC, NY.

Cambria 203 Accent/Flood: Low Voltage

Cambria 203 is an ultra-compact MR16 low voltage halogen and LED fixture. It is available with a fully adjustable side swivel stem (203, 203-FL), an adjustable center rear swivel (203-CRS) or stationary rear flush mount (203-FM). Various lenses, louvers and color or dichroic filters can be combined - up to three at once - to create multiple lighting effects. Lumière's exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires.

- 340° tilt, 360° rotation
- Precision machined materials
- Stainless steel hardware
- S.P.S. Siphon Protection System
- Holds up to 3 optical accessories
- LED modules are included and are available in three color temperatures (warm, neutral, and cool) and three distributions (spot, narrow, and flood).
- UL/cUL listed
- Three (3) year warranty



Ordering Information

SAMPLE NUMBER: 203-50MR16-12-BK

MODEL	SOURCE	VOLTS	FINISH
203 1/2" NPS side swivel stem	<i>Halogen</i> 50MR16 50W / MR16 / GU5.3	12	<i>Painted</i>
203-CRS 1/2" NPS center rear swivel	<i>12V remote transformer required - not included</i> <i>Lamp not included</i>		BK Black
203-FM 1/2" NPS rear flush mount			BZ Bronze
203-FL 1/2" NPS side swivel stem/flush lens			CS City silver
			VE Verde
			WT White
			<i>Metal</i>
			NBR Brass
			NBZ Bronze
			NCP Copper
			NSS Stainless steel



Cambria 201 Accent/Flood: Low Voltage

Cambria 201 is an ultra-compact MR11 low voltage halogen fixture. It is available with a fully adjustable side swivel stem (201, 201-FL), an adjustable center rear swivel (201-CRS) or stationary rear flush mount (201-FM). Various lenses, louvers and color or dichroic filters can be combined up to three at once to create multiple lighting effects. Lumière's exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires.

Cambria 201 Accent/Flood: Low Voltage

Material

Precision-machined from corrosion-resistant 6061-T6 aluminum or solid brass, bronze, copper or stainless steel.

Finish

6061-T6 aluminum is double protected by a chromate conversion undercoating and polyester powdercoat paint finish. Brass, bronze, copper and stainless steel is unpainted to reveal the natural beauty of the material. Brass, bronze and copper will patina naturally over time.

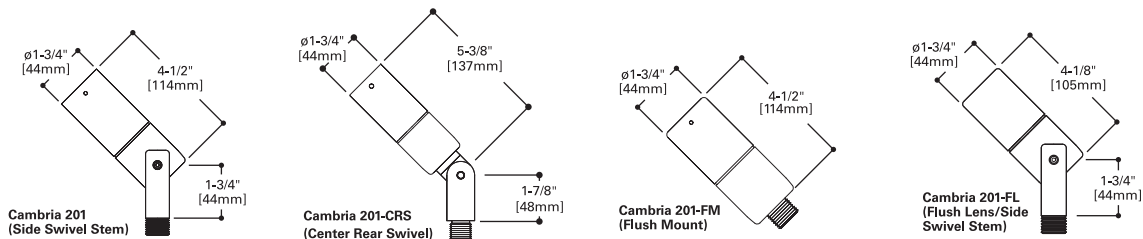
Electrical

Remote 12V step-down transformer required (not included). See Accessories & Technical Data section for ordering information.

Labels & Approvals

UL and cUL listed, standard wet label. Also suitable for indoor use. Manufactured to ISO 9001-2000 Quality Systems Standard. IBEW union made. Approved by New York City Dept. of Buildings, Bureau of Electrical Control for use in New York City, NY.

- 340° tilt, 360° rotation
- Precision machined materials
- Stainless steel hardware
- S.P.S. Siphon Protection System
- Holds up to 3 optical accessories
- UL/cUL listed
- Three (3) year warranty



Ordering Information

SAMPLE NUMBER: 201-35MR11-12-BK

MODEL	SOURCE	VOLTS	FINISH	OPTIONS
201	1/2" NPS side swivel stem	12	<i>Painted</i>	DC D.C. Bayonet base in lieu of GU4 bi-pin
201-CRS	1/2" NPS center rear swivel		BK Black	
201-FM	1/2" NPS rear flush mount		BZ Bronze	
201-FL	1/2" side swivel stem/flush lens		CS City silver	
			VE Verde	
			WT White	
			<i>Metal</i>	
			NBR Brass	
			NBZ Bronze	
			NCP Copper	
			NSS Stainless steel	



Maui I502 Pathway

Maui I502 is a compact, low voltage pathway fixture. Its rugged construction and pleasing aesthetic make it ideal for a wide variety of applications. Comfortable, low glare illumination is provided through and below the slotted light reveals.

Maui I502 Pathway

Material

Housing is die-cast from silicone aluminum alloy. Mounting post is precision-machined from corrosion-resistant 6061-T6 aluminum.

Finish

Double protected by a chromate conversion undercoating and polyester powdercoat paint finish.

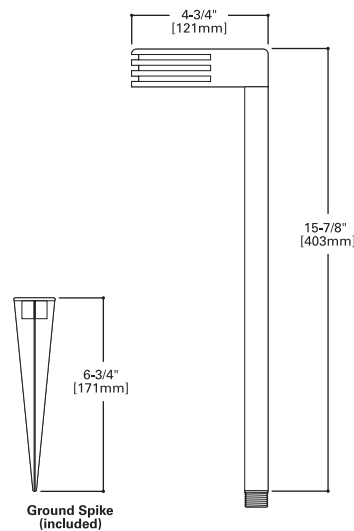
Electrical

CF5: Includes integral 120V ballast. INC18 and 50T4: Remote 12V step-down transformer required (not included). See Accessories & Technical Data section for ordering information.

Labels & Approvals

UL and cUL listed, standard wet label. Manufactured to ISO 9001-2000 Quality Systems Standard. IBEW union made.

- Includes cast zinc mounting spike
- Slotted light reveals w/ white diffuser
- Die-cast & machined aluminum
- Stainless steel hardware
- UL/cUL listed
- Three (3) year warranty



Ordering Information

SAMPLE NUMBER: 1502-INC18-12-BK

MODEL	SOURCE	VOLTS	FINISH
1502 Slotted housing with 1/2" NPS post	<i>Incandescent</i> INC18 18W / S8 / D.C. bayonet 12V remote transformer required - not included Lamp included 6-3/4" ground spike included	12	<i>Painted</i> BK Black BZ Bronze CS City silver VE Verde WT White



Westwood 714 Wall Mount

Westwood 714 and 714-2 are ultra-compact wall fixtures for use with PAR20 metal halide lamps. Both models are provided with a remote ballast/housing assembly and are suitable for use with 120, 208, 240, 277 or 347V line voltage (specify). Model 714 provides downlight or uplight by way of the 180° rotational fixture head. Model 714-2 provides combination uplight and downlight. Various lenses, louvers and color or dichroic filters can be combined up to three at once to create multiple lighting effects. Lumière's exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires.

Westwood 714 Wall Mount

Material

Housing and hood are precision-machined from corrosion-resistant 6061-T6 aluminum billet. Mounting canopy is constructed from corrosion-resistant silicone aluminum.

Finish

Fixtures are double protected by a chromate conversion undercoating and polyester powdercoat paint finish, surpassing the rigorous demands of the outdoor environment. A variety of standard colors are available.

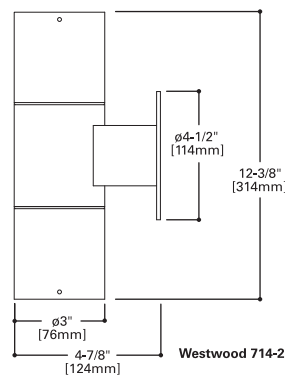
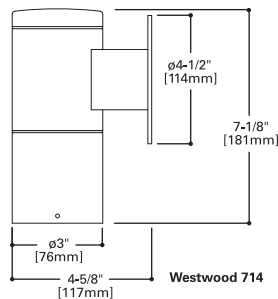
Electrical

Remote core & coil ballast/housing assembly is standard (120/208/240/277/347V). Maximum remote mounting distance is 50'. Rated for -20°C starting temperature.

Labels & Approvals

UL and cUL listed, standard wet label. Manufactured to ISO 9001-2000 Quality Systems Standard. IBEW union made.

- Includes remote core & coil ballast/housing
- Machined housing & hood, fabricated canopy
- Holds up to 3 optical accessories
- UL/cUL listed
- Three (3) year warranty



Ordering Information

SAMPLE NUMBER: 714-MH39PAR20-277-BK

MODEL	SOURCE	VOLTS	FINISH
714 Up or downlight	Metal Halide		Painted
714-2 Combination up/down light	MH39PAR20 39W / PAR20 / medium	120	BK Black
	Includes remote core & coil ballast/housing	208	BZ Bronze
	Lamp not included	240	CS City silver
		277	VE Verde
		347	WT White



Atlantis I407 Underwater Fixtures

Material

Precision-machined from corrosion-resistant solid bronze or stainless steel.

Finish

The natural beauty and durability of solid bronze or stainless steel.

Electrical

Remote 12V transformer required (not included). Use Lumière model T300 or equivalent only. See Accessories & Technical Data section for ordering information.

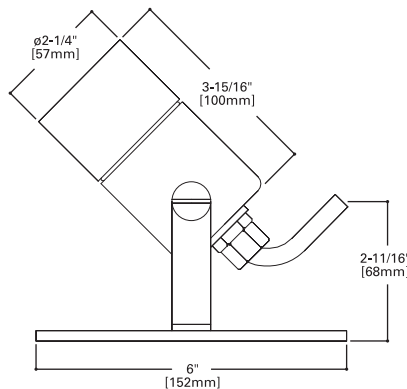
Labels & Approvals

UL and cUL listed, standard wet label. Fixture and cord entry to fixture require complete underwater submersion. Manufactured to ISO 9001-2000 Quality Systems Standard. IBEW union made. Approved by New York City Dept. of Buildings, Bureau of Electrical Control for use in New York City, NY.

Atlantis I407 Underwater Fixtures

The Atlantis I407 is an ultra compact underwater fixture for use with a low voltage MR16 lamp. Its heavy-duty, adjustable mounting plate provides easy and secure aiming. A standard quick-release mechanism enables easy re-lamping out of the water. Various lenses, louvers and color or dichroic filters can be combined up to three at once to create multiple underwater lighting effects.

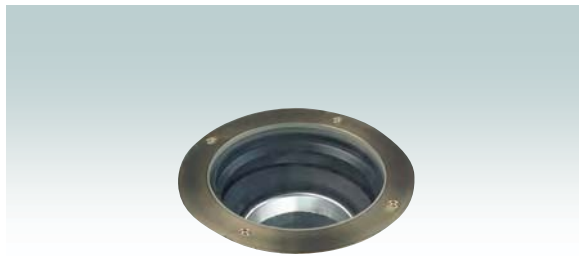
- Includes adjustable mounting base
- Includes 15' of low voltage SJO cord
- Precision machined materials
- Stainless steel hardware
- Holds up to 3 optical accessories
- UL/cUL listed
- Three (3) year warranty



Ordering Information

SAMPLE NUMBER: 1407-75MR16-12-NBZ

MODEL	SOURCE	VOLTS	FINISH
1407 Adjustable underwater light	Halogen	12	Metal
	75MR16 75W / MR16 / GU5.3		NBZ Bronze
	Lumière Model T300 12V remote transformer required - not included Lamp not included		NSS Stainless steel
<i>Note: Fixture and cord entry to fixture require complete underwater submersion</i>			



Monaco 6000A Inground

A small-scale, adjustable inground illuminator for use with metal halide point sources. Fixture includes lamp, factory-installed in a waterproof lamp module. Our Venterra™ heat and water management system keeps outer lens temperatures in check while protecting inner components from the effects of ground water. Our exclusive Beam-Driver™ aiming system provides up to 15° tilt and 360° rotation of the lamp module. It operates with a conventional cordless drill or screwdriver to provide easy, precision aiming without disturbing the sealed lamp module or looking into the energized lamp source. Corrosion-proof housing design is suitable for walk-over and drive-over applications to 5000 lbs. A complete line of accessories is available.

Monaco 6000A Inground

Material

Housing and side mounted wiring compartment are constructed from corrosion-proof black polycarbonate. Hardware and internal components are stainless steel. Lens is minimum 1/2" thick clear tempered glass.

Finish

Painted Brass

Painted trim rings are constructed from solid cast brass and double protected by a chromate conversion undercoating and polyester powdercoat paint finish.

Natural Brass or Stainless Steel

Machined natural brass or stainless steel trim rings are unpainted to reveal the natural beauty of the material. Brass will patina naturally over time.

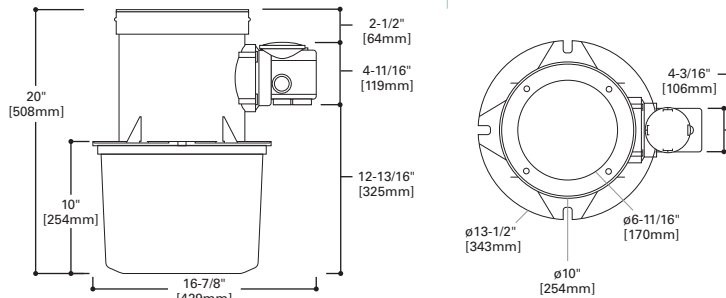
Electrical

Fixture includes an integral core & coil ballast assembly (120/208/240/277/347V). Rated for minimum -30° C starting temperature. Ballast is encapsulated in UL-approved, waterproof potting material.

Labels & Approvals

UL and cUL listed, standard wet label. Manufactured to ISO 9001-2000 Quality Systems Standard. IBEW union made.

- 15° tilt, 360° rotation
- Beam-Driver™ aiming
- Factory-installed lamp
- UL/cUL listed
- Three (3) year warranty



Ordering Information

SAMPLE NUMBER: 6000N-MH150-277-MFL-NSS-CP

MODEL	SOURCE	VOLTS	DISTRIBUTION	FINISH	OPTIONS	
6000A w/ Beam-Driver™, 15° tilt / 360° pan	<i>Metal Halide</i>					
	MH39T4	39W / T4.5 / G8.5	120	SP Spot	<i>Painted</i> BK Black	CP Concrete pour collar
	MH39T6	39W / T6 / G12	208	NFL Narrow Flood	BZ Bronze	DSB 5000# drive-over structural bracket kit
	MH70T6	70W / T6 / G12	240	MFL Medium Flood	CS City silver	EL Electronic HID ballast
	MH150T6	150W / T6 / G12	277	WFL Wide Flood	VE Verde	NSL Non-slip textured lens
	MH50	50W / ED17 / medium	347	WW Wall Wash	WT White	TRL Temperature reduction lens
	MH70	70W / ED17 / medium			<i>Metal</i>	<small>Advance Ship Back Box (select LBB option and order back box separately)</small>
	MH100	100W / ED17 / medium			NBR Brass	LBB Less back box
	MH150	150W / ED17 / medium			NSS Stainless steel	
	MH175	175W / ED17 / medium				
	<i>High Pressure Sodium</i>					
	HPS35	35W/E17/medium				
	HPS50	50W/E17/medium				
	HPS70	70W/E17/medium				
	HPS100	100W/E17/medium				
HPS150	150W/E17/medium					
<i>Compact Fluorescent</i>						
CF26	26W/TTT/GX24q-3	120				
CF32	32W/TTT/GX24q-3	277				
CF42	42W/TTT/GX24q-4					
CF57	57W/TTT/GX24q-5					
<small>Includes integral core & coil ballast Lamp included</small>						

6000A-BB Back Box

Cooper Wiring

Unparalleled reliability distinguishes our line of hospital grade wiring devices. Quality materials, manufacturing, attention to detail and design innovation is what you'll find in every product. We then enhance our hospital grade devices with quality features such as solid brass mounting straps, one-piece grounding systems and our exclusive 5-leaf line contacts found on our duplex receptacles. Add in our exclusive screw terminal guards that protect against short circuits after installation, and you'll see why Cooper Wiring Devices comes out ahead. For additional information visit www.cooperwiringdevices.com.



Cooper Industries

Cooper Industries is a world leader in the manufacturing and marketing of electrical construction products. The power behind Cooper's brands can be traced back over a century. Heritage and pedigree are supported by state-of-the-art engineering, production, new product development and distribution facilities. We manufacture thousands of well-known products that are used around the world. Our high quality product platform has earned a leadership position in the markets that we serve. For additional information visit www.cooperindustries.com.

Lighting Solutions and Beyond

The family of Cooper companies can truly provide construction and building solutions beyond just lighting. Lighting may make a building come to life, but today's modern buildings require miles of cable, conduit and a variety of additional electrical construction materials.

As a diversified company, Cooper has the unique ability to evaluate and understand end user needs, align those needs with our affiliated divisions and provide comprehensive solutions for customers.

Healthcare buildings and hospitals are complex projects. If your organization is planning a healthcare project, chances are the bill of materials will require wiring devices, power distribution cable trays, fuses and, of course, lighting. Please look to Cooper Industries as your connection for building and construction electrical materials. Globally, Cooper Industries has a customer service and sales network with the expertise and specialties to provide the right solution.

COOPER Safety



Cooper Safety, the right message, to the right people at the right time.

Cooper Safety is a leading manufacturer of emergency lighting, security systems, fire detection systems, lighting fixtures, and electrical installation materials.

Our well-known brands and products can be found in a whole variety of settings, industrial, commercial, and domestic, illuminating these facilities, as well as providing protection to both life and property by offering fire and security detection, and escape route illumination.

COOPER Bussmann



Since 1914, Cooper Bussmann has been a leader in developing new products and creating leading-edge technology to provide excellence in circuit protection.

Cooper Bussmann provides the industry standard with its comprehensive portfolio of fuses, fuse holders, terminal blocks, voltage surge protectors, inductors and miniature transformers to provide quality power. From the main electrical supply in multi-story buildings and industrial complexes to printed circuit boards in electronic products, Cooper Bussmann develops complete solutions for the global marketplace.

COOPER Power Systems



Cooper Power Systems' products have been exceeding utility and electrical distribution customers' needs for decades.

Cooper Power Systems' technology leadership has influenced the development of modern electrical distribution systems through advances in overcurrent and overvoltage protection products, switchgear and underground distribution equipment. Products from Cooper Power Systems have set benchmarks for reliability and innovation in today's energy distribution systems.

COOPER B-Line



Cooper B-Line is a leading manufacturer of support systems and enclosures for the electrical, mechanical and telecommunication industries.

Cooper B-Line's 46 years of dedication to product quality and customer service has established its industry-wide reputation of value and reliability. By providing our customers with the most complete line of cable support systems and related products available in the industry, Cooper B-Line stands out as the market's source for one stop shopping.

COOPER Crouse-Hinds



Cooper Crouse-Hinds makes electrical products which provide safety and protect electrical systems in hazardous, commercial and industrial environments.

For over 100 years Cooper Crouse-Hinds has been the worldwide leader in product innovation, technical support and sales assistance. Today our products meet standards and codes on every continent, having created the broadest product line for applications around the globe.

COOPER Wiring Devices



Cooper Wiring Devices offers a complete line of wiring devices and accessories for the distribution and control of power.

Cooper Wiring Devices has the broadest offering available today of wiring devices and accessories for the industrial, commercial and residential construction and renovation markets. With over 10,000 products to choose from, Cooper Wiring Devices provides wide-ranging solutions for complex electrical challenges.

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