

INDOOR BUYERS GUIDE



ARCHITECTURAL
INDOOR



INDUSTRIAL



FLUORESCENT



EMERGENCY

Holophane has been the leader in lighting solutions for more than a century. The hallmark of Holophane luminaires is the prismatic borosilicate glass reflector/refractor. The prisms provide a precise element of light control so as to illuminate any environment evenly without creating dark spots or glare.

Holophane luminaires are made for longevity and performance. In most applications, fewer luminaires can be used for an application than if competitive fixtures are specified. Energy saving ballasts assure greater light output from the lamp over a longer period of time, which translates into reduced operating and maintenance costs.

Holophane has the resources, expertise and flexibility to meet all of your lighting needs. We offer not only our standard product line but custom luminaires and poles for indoor and outdoor applications.

HOLOPHANE MISSION STATEMENT:

Provide lighting products and solutions, giving our customers the greatest value through superior:

- visibility
- energy efficiency
- reliability
- quality
- service

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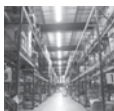


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INTRODUCTION

Who we are:

For over a century, Holophane has been the leading innovator in lighting technologies. Holophane advancements in optical control through the use of prismatic refractor and reflector technology have established industry standards for luminaire performance, design, and appearance. The company's commitment to quality lighting applications has set design guidelines in the industry for over 100 years. This commitment is evident by the leading role Holophane played to organize the Illuminating Engineering Society of North America in its New York City offices in 1906. Today, the lighting industry is still served by this technical society.

Through unparalleled research and development, Holophane's outstanding staff of research engineers continues to lead the industry with innovative lighting solutions for a wide range of applications.

A comprehensive product line allows Holophane to provide ideal solutions for virtually all interior lighting applications.



Industrial



Retail



Restaurant



Sports



Hazardous



Emergency

What we do:

HOLOPHANE: Today & Tomorrow

Holophane's commitment to quality is achieved by designing products which provide superior:

- Photometric performance
- Energy efficiency
- Long life
- Ease of maintenance
- Value
- Reduced installation costs

To do this we:

- 1) Employ the industry's top optical designers to develop state-of-the-art optical systems
- 2) Manufacture HID ballasts to achieve the highest level of energy efficiency and reliability available
- 3) Design our own glass and plastic to have absolute control of optical quality
- 4) Extensively test products to ensure compliance with design specifications
- 5) Use materials and manufacturing processes designed to optimize life and performance



Testing

All Holophane products go through a sophisticated battery of tests in the developmental and production stage to ensure optimum product performance. These tests include:

Photometric Testing: Products are first designed by a team of expert optical designers who incorporate computer aided analysis

to create optimum performance. The products are then evaluated using a full-scale photometric laboratory. Modifications are made until premium performance is achieved.

Heat Testing: All designs are tested in Holophane's U.L. certified thermal laboratory to ensure Holophane products meet U.L. requirements, as well as operate at the lowest possible temperatures to maximize component life.

Ballast Testing: 100% testing ensures all Holophane high intensity discharge ballasts provide optimum light output with the lowest possible energy consumption.

Vibration Testing: All Holophane luminaire designs are subjected to an accelerated 1G lifetime vibration test to simulate fatigue on the metal components. This not only ensures that metal components will withstand the test of time, but the construction of optical and other non-metallic components are built to last in even the most demanding environments.



Materials

Holophane's dedication to high performance extends to our selection of the following materials:

Glass: The borosilicate glass used by Holophane is the

ideal optical material. Its unique combination of thermal and mechanical shock resistance, permanent clarity, and non-conductivity ensures that Holophane optical systems are highly durable, resistant to dirt and dust, and will not turn yellow, brown, or cloudy over time.

Plastic: The plastic utilized in Holophane optical devices is injection molded of modern HID acrylic or polycarbonate. Specifically, UV resistant V825-HID acrylic is the material of choice because of its strong resistance to degradation when compared with plastics used in other luminaires.

Premium Polyester Powder Paint: A unique seven-stage pretreatment process assures the reliable polyester powder paint used by Holophane will adhere properly and last.

Holophane manufactures luminaires designed to provide superior performance and efficiency, which are supported with U.L. listings, extensive testing, premium materials, and the best warranty available in the industry.

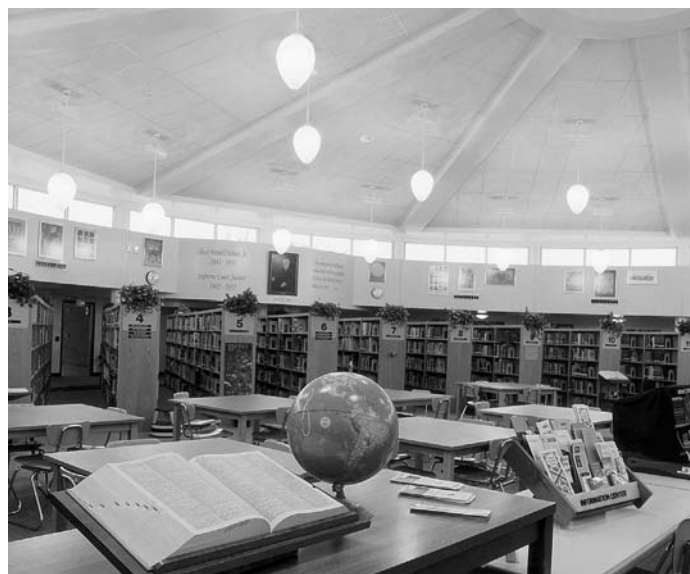
INTRODUCTION

Indoor...

Over the last century, Holophane has brought the lighting community optical devices and luminaires that have promoted visibility, energy efficiency, and reliability. Today, Holophane looks forward to the new challenges associated with balancing traditional indoor lighting needs with many new methods of lighting the indoor environment.

Holophane offers a wide selection of open and enclosed HID indoor products along with a full complement of fluorescent luminaires to address high bay and low bay lighting applications. Holophane lighting withstands vibration, dirt, heat, moisture and corrosiveness while providing proper levels of efficient illumination.

Whether you are lighting a warehouse, manufacturing plant, food processing area, retail store, school or petro-chemical facility, Holophane will provide you with a superior performing solution.



Holophane Indoor Lighting

Exceptional performance for superior results

Holophane's series of indoor luminaires are both aesthetic and functional. Optically engineered borosilicate glass delivers exceptional performance while providing comfortable, uniform lighting in your interior spaces.



Industrial:

Holophane industrial luminaires provide maximum efficiency for most design requirements. The unique prismatic glass reflector and refractor systems offer a choice of distributions for a wide selection of lamps and wattages.



Architectural Indoor:

For a luminaire to be labeled as Architectural, it must have qualities, such as style, lamp choices, color options and the ability to create that special atmosphere. These products excel at performance, efficiency, reliability, and quality.



Fluorescents:

At the heart of Holophane fluorescent products is the ability to control light. Throughout the industry, there are common elements to all fluorescent luminaire designs. But, the superior engineering of those common elements separates Holophane Optically-Engineered fluorescents from all others. In addition, some fixtures are available with the patent pending P.O.L.A.R.™ thermal lamp management system.



Emergency:

Holophane emergency lighting products are designed specifically to provide for the safety of people and the protection of property in the event that normal power fails or is interrupted. A wide variety of styles, lamps, and wattages is available.

Architectural Indoor

Holophane's Architectural Indoor luminaires are both aesthetically pleasing and functional. Optically engineered borosilicate glass delivers exceptional performance while providing comfortable, uniform lighting in your interior spaces. These highly efficient luminaires have been used in US Postal buildings, classrooms, offices, libraries, event centers, athletic facilities and other public and private spaces.

- **Innovative, attractive multiple source luminaires**
- **Superior prismatic glass performance**
- **Reflector/refractor combination provides unique design element**
- **Variety of optical choices to customize lighting designs**
- **Uniform illumination, visual comfort**
- **Energy efficient, long life**

Maximum Flexibility

Holophane prides itself in manufacturing energy efficient, low maintenance products that perform as well long term as they do on day one. This holds true for Architectural Indoor luminaires as well. Borosilicate glass stays clean longer than other materials and our paint application process allows us to provide an endless number of colors while maintaining high quality standards.



TYPICAL APPLICATIONS:

- Retail Stores
- Office Buildings
- Schools
- Restaurants
- Lobbies
- Automobile Dealerships
- Athletic Facilities
- Churches
- Libraries
- Atriums/Concourses
- Cafeterias

Architectural Indoor

Designer

Recessed

Architectural Indoor luminaires are available in a multitude of sizes, wattages, mounting options and photometric distribution to successfully meet any design criteria. These products excel at:

- Superior Optical Performance
- Energy Efficiency
- Total Reliability
- Quality

Scale

One of the most important design elements of lighting is ensuring that it scales properly. Scale is important for two reasons:

First, the luminaire must be properly sized in relation to its surroundings. A compact fixture mounted at 20 feet, will appear non-existent whereas a large fixture mounted at 8 feet is overwhelming.

Second, there are many design opportunities where the ceiling height varies – for example, a retail store may lower its ceiling above the registers or have a higher ceiling at the front of the store to draw people inside. In either case, the space appears uniform if a similar styled luminaire is present throughout. For this reason, the majority of luminaires in Architectural Indoor are available in both compact and large sizes.

Design Enhancements

All Architectural Indoor luminaires have designer qualities, such as style, color options and the flexibility to create a unique atmosphere.

In this series, we offer many standard paint and metallic finishes. Additionally, our luminaires can be customized to further enhance the design theme. Various covered optics are available ranging from unpainted metal to true copper.

Multiple mounting options including double and quad chandeliers, rod pendants, extruded pendants and decorative wall mounts. Other enhancements such as caps and claws are available on certain products to provide a custom appearance.



Designer

Architectural Indoor luminaires must be aesthetically pleasing (form) as well as high-performing (function). The luminaires successfully accomplish both.



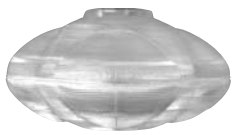
Recessed

Many times low ceiling heights prohibit decorative, stem-mounted luminaires. However, aesthetics are still important, so Holophane developed a line of recessed luminaires to meet this need.

Architectural Indoor

DESIGNER

ILLUMINAIRE SERIES, LARGE VERSION Page 12



Quad



Tri-Egg



Tri-Crest



Egg



Crest

O2454 SERIES Page 18



Large



Compact



Delphic Optic



Covered Optics



PRISMGLO, LARGE AND ENHANCED VERSION Page 22



Athena



Aurora



Electra



Delphic



Mentor

RECESSED

CRYSTALGLO Page 32



Electra Optic



Delphic Optic

MIRROLUME Page 34



Surface



Recessed

Product Selection Matrix

ILLUMINAIRE SERIES, COMPACT VERSION Page 14



Tri-Egg



Tri-Crest



Egg



Crest

ILLUMIBAY Page 16



ILB

PGRL SERIES, COMPACT VERSION Page 20



82 Optic



84 Optic



85 Optic



86 Optic

PGRL SERIES, LARGE VERSION Page 20



40 Optic



92 Optic



Covered optic

PRISMGLO, COMPACT VERSION Page 24



Athena



Aurora



Electra



Delphic



Mentor

ARCHITECTURAL INDOOR

Designer

Architects and engineers have been practicing the art of zonal cavity lighting for decades. Holophane has simplified that process with the concept of area lighting. There's never before been a series of products which offer such a complete palette of lighting choices to address area lighting like Architectural Indoor does.

- **Functional prismatic lighting**
- **Adds "sparkle" to attract customers**
- **Enhance merchandise appearance**
- **Cut energy while brightening environment**
- **Create an inviting atmosphere**

TYPICAL APPLICATIONS:

Retail Stores
Office Buildings
Schools
Restaurants
Lobbies
Atriums
Showrooms



Create an Inviting Atmosphere: Draper City, Utah

One of the more traditional areas within the new city hall is the 2,000 square foot council chambers. When the lighting was specified, Jim Polonic, project designer, selected the spherical-shaped Illuminaire® Egg fixture from Holophane which is supplemented with decorative recessed can luminaires. "The city hall is a showpiece for the community, which is why we wanted to create a sense of nostalgia within a contemporary format," said Polonic.

The fixtures include a prismatic borosilicate glass reflector/refractor that provides 75 percent downlight and 25 percent uplight to create an evenly lit, comfortable environment. "We liked the expressive appearance of these fixtures, said Polonic. "The council chambers and lobby have quite a bit of glass, which makes the fixtures highly visible after dark. The luminaires draw people's attention to the facility almost like a beacon."

Lighting solutions...

Prismatic Holophane Glass

Endural® prismatic glass, a hallmark of Holophane lighting, allows precise control of the quality, quantity and direction of the light that comes through the glass. Blondel flutes evenly spread light across the entire optic enabling the glass to appear wholly luminous. This design feature creates a high-efficiency luminaire that is visually appealing to the viewer. Prism design is another critical element in optical design. Certain prisms act as reflectors, or mirrors, sending rays of light back in the direction they came. Other prisms are refractors, which bend the light, sending it out in a prescribed direction. Scientific placement of these prisms allows Holophane luminaires to assign exact percentages of uplight and downlight. Ingenious use of these prisms, coupled with technology boasting dozens of patents, makes the Architectural Indoor collection wonderful to look at and to see by.



Lighting Enhances Merchandise Appearance:

Harley-Davidson; Springfield, Illinois

Harley-Davidson wants customers visiting its dealerships to keep their eyes on the merchandise — which includes everything from clothing and motorcycles to accessories, literature and collectibles. When lighting design is created, nothing in the showroom should distract customers from the merchandise. Motorcycle's sparkle, chrome glistens and colors of clothes are true.

At the Harley-Davidson dealership in Springfield, Illinois, this is achieved using the Illuminaire Egg optic with 40% uplight and a ceramic metal halide (CMH) lamp. The 40% uplight allows the light to bounce off the ceiling, providing great vertical illumination on the racks and bikes while the CMH lamp generates true colors.

When you think of a Harley, you think of the "rumble", cool paint jobs and lots of chrome. The Egg, adorned with the Traditional Claw in a metallic chrome finish provides plenty of illumination to complement the Harley's hi-tech appearance.



Functional Prismatic Lighting: *Dayton School of Law; Dayton, Ohio*

When it came to lighting the public areas within the structure—including a four-story atrium—the lighting designer wanted the luminaires to enhance the building's appearance and continue the theme of simple elegance. The system installed in the lobby and atrium, the law library and faculty lounge are teardrop-shaped Enhanced PrismGlo® Aurora® fixtures.

"The objective was to create a comfortable, 'at home' atmosphere for students and faculty while retaining an air of sophistication," explained John Harpest, team manager, Heapy Engineering, Dayton. "While we were certainly concerned with functionality, visual appeal was equally important." Fixtures had to be versatile enough to effectively illuminate the various areas within the building, including the atrium and the open stairwell that leads to each floor.



Crisp, Clean, Productive Prismatic Lighting: *Chatham Financial; Kennett Square, PA*

An open airy work space is fitting for the Kennett Square, Pennsylvania office of Chatham Financial, the nation's largest independent advisor for interest rate hedging.

Lighting showcases the natural beauty of the wood trusses in the A-frame style ceiling and supplies ample illumination for workers to analyze numbers at desk level.

Retro style 02454 luminaires with 400-watt metal halide lamps complement the open loft appearance and create a crisp, clean workplace with the hint of a sparkle characteristic of prismatic glass. Copper covers enhance the warm productive environment.

HOLOPHANE®

Driven by the quest to perfect the ratio of uplighting and downlighting, Holophane engineers created the Illuminaire Series. Designed to satisfy a myriad of applications, the large Illuminaire Series has truly melded form with function. The beauty of the glass is enough to capture the eye. Couple this with durability and maintenance ease, and these luminaires become the luminaire everyone has been searching for.

Intended for indoor spaces with ceiling heights of 15' and higher, all fixtures have between 40 and 60% uplight. The Quad is also available with 90% uplight.

Typical applications include libraries, natatoriums, atriums, churches and retail stores.

DESIGNER

Illuminaire® Series | Large

ILS | ILT | ILI | ILR





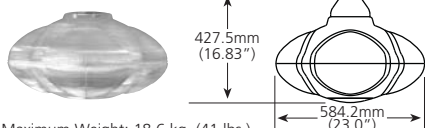
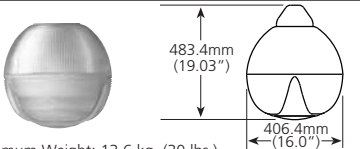
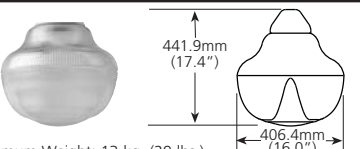
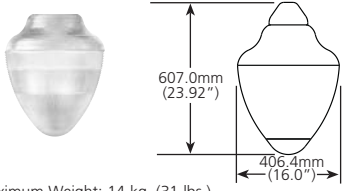
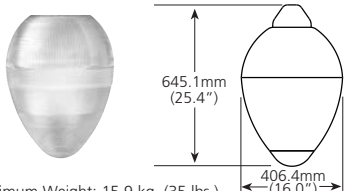
FEATURES:

- Five architecturally styled optics
- Wide variety of caps and claws
- Extensive array of finishes
- Choice of mounting methods

Example: ILS 400MH 12 C 1 4 W 1 C F1 IL-ARCH-W



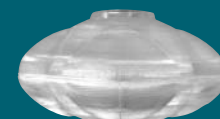
How to Construct a Catalog Number:

| ILS 1 | 400MH 2 | 12 3 | C 4 | 1 5 | 4 6 |
|---|--|---|---|--|---|
| LUMINAIRE ILS Surface mount ILT Recessed mount ILI Integral mount ILR Remote mount ILS Surface Mount  Maximum Weight: 12.6 kg. (28 lbs.) ILT Recessed Mount  Maximum Weight: 10 kg. (22 lbs.) ILI Integral Mount  Maximum Weight: 9.5 kg. (21 lbs.) ILR Remote Mount  Maximum Weight: 4.5 kg. (10 lbs.) | SOURCE AND WATTAGE METAL HALIDE 70DMH 70W MH, medium 10DMH 100W MH, medium 15DMH 150W MH, medium 17DMH 175W MH, medium 175MH 175W MH, mogul 250MH 250W MH, mogul 400MH 400W MH, mogul Pulse Start, Mogul Base 175PM 175W MH 250PM 250W MH 320PM 320W MH 350PM 350W MH 35EPM 350W MH, linear reactor, 277 volt only 400PM 400W MH 40EPM² 400W MH, linear reactor Electronic Ballast 70DEM² 70W MH 10DEM² 100W MH 15DEM^{1,2} 150W MH COMPACT FLUORESCENT 26CFL 26W 42CFL 42W 226CF 52W, 2-26W 242CF 84W, 2-42W 257CF⁴ 114W, 2-57W 270CF⁴ 140W, 2-70W 457CF⁴ 228W, 4-57W INCANDESCENT 30DIN³ 300W 500IN³ 500W 1 Not available in 34 and 48 voltage 2 Not available in ILR and ILT version 3 Available in ILR only 4 Available in ILI only | VOLTAGE 12 120V 20 208V 24 240V 27 277V 34 347V 48 480V Multi-voltage MA Prewired for 120V MB Prewired for 208V MC Prewired for 240V MD Prewired for 277V MT^{1,2} Multi-voltage VT^{1,3} Vari-tap 1 Not available in ILR version 2 120-277V 3 120, 277, 347V | OPTICS Quad J 50 down/50 up K¹ 75 down/25 up L¹ 20 down/80 up Tri-Egg E 60 down/40 up F¹ 75 down/25 up Tri-Crest G 60 down/40 up H¹ 75 down/25 up Egg A 60 down/40 up B¹ 75 down/25 up Crest C 60 down/40 up D¹ 75 down/25 up 1 Single lamp configurations only J/K/L Quad  Maximum Weight: 18.6 kg. (41 lbs.) E/F Tri-Egg  Maximum Weight: 13.6 kg. (30 lbs.) G/H Tri-Crest  Maximum Weight: 13 kg. (29 lbs.) C/D Crest  Maximum Weight: 14 kg. (31 lbs.) A/B Egg  Maximum Weight: 15.9 kg. (35 lbs.) | GLASS COLOR 1¹ Clear 2 Frost 1 (Not available on optics E, F, G, H) | COLOR AREA 1¹ Vein only 2¹ Vein and relamp glass only 3¹ Vein and lobes only 4 Entire optics 5² Relamp glass only X Special coverage area 1 Available with E, F, G, H only 2 Not available with E, F, G, H |

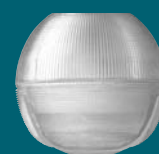


**ARCHITECTURAL
INDOOR
DESIGNER**

**Illuminaire® Series
Large Version**



Quad



Tri-Egg



Tri-Crest



Egg



Crest

**W
7**

**1
8**

**C
9**

**F1
10**

**IL-ARCH-W
11**

FINISH

- A¹ Antique brass
- H¹ Chrome
- K Black paint
- L Satin nickel
- M¹ Smoked chrome
- R¹ Copper
- S¹ Satin copper
- W White paint

¹ Vacuum deposited metallic finish

STEM LENGTH

- 1 18"
- 2 48"
- 3 96"
- X¹ Special stem
- 4² 18" with swivel
- 5² 48" with swivel
- 6² 96" with swivel
- XS^{1, 2} Special stem lengths with swivel

(Not applicable for ILI)
¹ Length available in increments of 25mm (1")
² Available ILR only

CAPS

- A¹ Standard
- B¹ Crescent
- C¹ Notched
- D¹ Hexagonal
- E¹ Angled

¹ Not available with A, H, M or S finish, not available with ILI



Standard



Crescent



Notched



Hexagonal



Angled

OPTIONS

See below

ACCESSORIES

See below

Claws



Arch



Victorian



Traditional



Wrought

10 Options

- PF-396 Safety hook. Available with "ILI" only
- PF-397 Loop. Available with "ILI" only
- CDP-L5-15-X-PT (120V)¹ 120V, three conductor cord and NEMA plug (order "PF" also) X = 3', 6' or 10' standard length
- CDP-L6-15-X-PT (208/240V)¹ 208/240V, three conductor cord and NEMA plug (order "PF" also) X = 3', 6' or 10' standard length
- CDP-L7-15-X-PT (277V)¹ 277V, three conductor cord and NEMA plug (order "PF" also) X = 3', 6' or 10' standard length
- CDP-L24-20-X-PT (347V)¹ 347V, three conductor cord and NEMA plug (order "PF" also) X = 3', 6' or 10' standard length
- HFV Holoflex® flexible wiring system (Holoflex or Holoflex II available through TSG)
- F1² Single fuse assembly for 120, 240, 277, 347V. Not available with "MT"
- F2² Double fuse assembly for 208, 240, 480V. Not available with "MT"
- C3 3' of safety chain, electrical assembly only. "ILI" and "ILS" mount only
- C6 6' of safety chain, electrical assembly only. "ILI" and "ILS" mount only
- C1 10' of safety chain, electrical assembly only. "ILI" and "ILS" mount only
- H² HALT® Automatic lamp time-out. Available on a limited number of fixtures
- EM² Standby lighting fixture uses a D.C. bayonet base, 250W (max.) tungsten halogen lamp (included) to provide standby lighting
- ER² Emergency lighting fixture less relay for use with a 120V external power source to operate a D.C. 250W (max.) bayonet base tungsten halogen lamp (included) to provide emergency lighting. (All fixtures except "-CDP"). Not available with "ILI"

11 Accessories (Ships separately)

- LAMP Appropriate HID lamp supplied with fixtures
- IL-Arch-X^{3, 4} Arch decorative claw. Not available with Quad or "ILI"
- IL-Victorian-X^{3, 4} Victorian decorative claw. Not available with Quad or "ILI"
- IL-Traditional-X^{3, 4} Traditional decorative claw. Not available with Quad or "ILI"
- IL-Wrought-X^{3, 4} Wrought decorative claw. Not available with Quad or "ILI"
- F1² Single fuse assembly for 120, 240, 277, or 347V, not available with "MT"
- F2² Double fuse assembly for 208, 240, or 480V, not available with "MT"

¹ Not available in ILR version
² Available with 70DMH, 100MH, 150MH, 175MH, 250PM, 320PM, 350PM, 400MH, and 400PM
³ "X" must be replaced with a Finish designator
⁴ Not available with A, H, M and S finish

Contact your local sales rep for the most current option and accessory compatibility.

HOLOPHANE®

Continuing the theme of the large Illuminaire Series, or creating a look of your own, the Compact Illuminaire Series can be used in spaces with ceiling heights as low as 7'-6". Designed as a type50, the Illuminaire optics perfectly balance light both upward and downward. The Compact Illuminaire optic has successfully illuminated retail stores, high school cafeterias, classrooms, grocery stores and a host of other applications. The Arched wall mount is available as wet location enabling the designer to complete the architectural theme outdoors.

DESIGNER

Illuminaire® Series | Compact

CIS | CIT | CII | CIR CIW | CIM



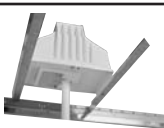



FEATURES:

- Four architecturally styled optics
- Wide variety of caps and claws
- Extensive array of finishes
- Choice of mounting methods, including wall brackets

Example: CIS 70DMH 12 A 1 4 M 1 C F1 CI-ARCH-M



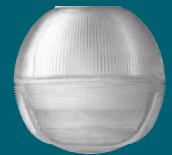
How to Construct a Catalog Number:

| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | | |
|---|---------------------|--|---------|-----------|-------------------|----------------------|---------------|------------------------------------|-------|------------|-----------------------------------|-----------------------|--|
| LUMINAIRE | | SOURCE AND WATTAGE | | VOLTAGE | | OPTICS | | GLASS COLOR | | COLOR AREA | | | |
| CIS | Surface mount | 70DMH | 70W MH | 12 | 120V | Tri-Egg | E | 1 | Clear | 1 | Vein only | | |
| CIT¹ | Recessed mount | 10DMH | 100W MH | 20 | 208V | Tri-Crest | G | 2 | Frost | 2 | Vein and center only | | |
| CII | Integral mount | 15DMH¹ | 150W MH | 24 | 240V | Egg | A | 1 Not available with E or G optics | | 3 | Vein and lobes only | | |
| CIR | Remote mount | Electronic Ballast | | 27 | 277V | Multi-voltage | C | | | 4 | Entire optics | | |
| CIW² | Arched wall mount | 70DEM² | 70W MH | 34 | 347V | MA | 60 down/40 up | | | | X | Special coverage area | |
| CIM | Nautical wall mount | 10DEM² | 100W MH | MA | Prewired for 120V | MB | 60 down/40 up | | | | 1 Not available with A or C optic | | |
| 1 Available in 120, 277, 340V only | | COMPACT FLUORESCENT | | MC | Prewired for 240V | MD | | | | | | | |
| 2 Wet location available | | 26CFL³ | 26W | MD | Prewired for 277V | MT | | | | | | | |
| CIS Surface Mount | | 42CFL³ | 42W | | | | | | | | | | |
|  | | INCANDESCENT | | | | | | | | | | | |
| Maximum Weight: 9 kg. (22 lbs.) | | 20DIN⁴ | 200W | | | | | | | | | | |
| CIT Recessed Mount | | 1 Not available with CIW, CIM | | | | | | | | | | | |
|  | | 2 Not available with CIR, CIT | | | | | | | | | | | |
| Maximum Weight: 10 kg. (22 lbs.) | | 3 Available with CIR, CIT in 120, 277, 340V only | | | | | | | | | | | |
| CII Integral Mount | | 4 Not available with CII, CIS, CIT | | | | | | | | | | | |
|  | | | | | | | | | | | | | |
| Maximum Weight: 9 kg. (20 lbs.) | | | | | | | | | | | | | |
| CIW Arched Wall Mount | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | |
| Maximum Weight: 7.1 kg. (15.75 lbs.) | | | | | | | | | | | | | |
| CIR Remote Mount | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | |
| Maximum Weight: 4.5 kg. (10 lbs.) | | | | | | | | | | | | | |
| CIM Nautical Wall Mount | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | |
| Maximum Weight: 8 kg. (17.5 lbs.) | | | | | | | | | | | | | |

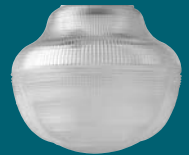


**ARCHITECTURAL
INDOOR
DESIGNER**

**Illuminaire® Series
Compact Version**



Tri-Egg












Tri-Crest



Egg



Crest

| M 7 | 1 8 | C 9 | F1 10 | CI-ARCH-M 11 |
|---|--|--|-----------|---|
| FINISH | STEM LENGTH | CAPS | OPTIONS | ACCESSORIES |
| A ¹ Antique brass H ¹ Chrome K Black paint L Satin nickel M ¹ Smoked chrome R ¹ Copper S ¹ Satin copper W White paint 1 Vacuum deposited metallic finish | 1 18" 2 30" 3 48" X ² Special stem 4 ¹ 18" with swivel 5 ¹ 30" with swivel 6 ¹ 48" with swivel XS ^{1, 2} Special stem lengths with swivel 1 Available CIR only 2 Length available in increments of 25mm (1") | A ¹ Standard B ¹ Crescent C ¹ Notched D ¹ Hexagonal E ¹ Angled 1 Not available with A, H, M or S finish, not available with CII, CIW or CIM  Standard  Hexagonal  Crescent  Angled  Notched | See below | See below Claws ¹ Not available with A, H, M or S finish  Arch  Traditional  Victorian  Wrought |

10 Options

| | |
|----------------------------------|--|
| PF-398 | Safety hook. Available with "CII" only |
| PF-399 | Loop. Available with "CII" only |
| CDP-L5-15-X-PT (120V) | 120V, three conductor cord and NEMA plug (order "PF" also) X = 3', 6' or 10' standard length |
| CDP-L6-15-X-PT (208/240V) | 208/240V, three conductor cord and NEMA plug (order "PF" also) X = 3', 6' or 10' standard length |
| CDP-L7-15-X-PT (277V) | 277V, three conductor cord and NEMA plug (order "PF" also) X = 3', 6' or 10' standard length |
| CDP-L24-20-X-PT (347V) | 347V, three conductor cord and NEMA plug (order "PF" also) X = 3', 6' or 10' standard length |
| HFV | Holoflex® flexible wiring system (Holoflex or Holoflex II available through TSG). Not available with "CIS", "CIW" or "CIM" |
| F1 ¹ | Single fuse assembly for 120, 240, 277, 347V |
| F2 ¹ | Double fuse assembly for 208, 240V |
| C3 | 3' of safety chain, electrical assembly only. "CII" and "CIS" mount only |
| C6 | 6' of safety chain, electrical assembly only. "CII" and "CIS" mount only |
| C10 | 10' of safety chain, electrical assembly only. "CII" and "CIS" mount only |
| H ¹ | HALT® Automatic lamp time-out. Available on a limited number of fixtures |
| EM ¹ | Standby lighting fixture uses a D.C. bayonet base, 100W (max.) tungsten halogen lamp (included) to provide standby lighting |
| ER ¹ | Emergency lighting fixture less relay for use with a 120V external power source to operate a D.C. 100W (max.) bayonet base tungsten halogen lamp (included) to provide emergency lighting. (All fixtures except "-CDP") Not available with "CII" |

11 Accessories (Ships separately)

| | |
|--|---|
| LAMP | Appropriate HID lamp supplied with fixtures |
| CICHAIN ⁴ | Safety chain, insert 3, 6, or 10 for "X" |
| CI-Arch -X ^{2, 3} | Arch decorative claw |
| CI-Victorian -X ^{2, 3} | Victorian decorative claw |
| CI-Traditional -X ^{2, 3} | Traditional decorative claw |
| CI-Wrought -X ^{2, 3} | Wrought decorative claw |
| F1 ¹ | Single fuse assembly for 120, 240, 277, or 347V |
| F2 ¹ | Double fuse assembly for 208 or 240V |

1 Available with 70DMH, 100MH, 150MH, 175MH, 175PM, 250PM, 320PM, 350PM, 400MH and 400PM

2 "X" must be replaced with a Finish designator

3 Not available in "CII", "CIM", or "CIW" version or with "A", "H", "M" or "S" finish

4 Available only on "CII"

Contact your local sales rep for the most current option and accessory compatibility.

HOLOPHANE®

A decorative high bay that combines performance and appearance, the Illumibay Series is the perfect solution for retail and commercial applications. Designed to accommodate both metal halide and compact fluorescent lamps, appropriate light levels are easily achieved while maintaining the character of the space.

DESIGNER

Illumibay®

ILB

FEATURES:

- Open and enclosed optics available
- Custom colors available to meet varying design needs
- Two different optical mounting methods



Example: ILB 400MH 12 B N O M EM F1

How to Construct a Catalog Number:

| 1 | 2 | 3 | 4 |
|-----------|--------------------|---------|-----------------------|
| ILB | 400MH | 12 | B |
| LUMINAIRE | SOURCE AND WATTAGE | VOLTAGE | OPTICS (DISTRIBUTION) |

ILB Illumibay

6612 Optics

6611 Optics

Maximum Weight: 29.48 kg. (65 lbs.)

| METAL HALIDE | |
|--------------|--------------------------|
| Mogul Base | Medium Base |
| NA | 70DMH 70W MH |
| NA | 10DMH 100W MH |
| NA | 15DMH 150W MH |
| NA | 17DMH 175W MH |
| NA | 70DMP 70W MH, protected |
| NA | 10DMP 100W MH, protected |
| NA | 15DMP 150W MH, protected |
| NA | 17DMP 175W MH, protected |
| NA | 175MH 175W MH |
| 175MP | NA 175W MH |
| 250MH | NA 250W MH |
| 400MH | NA 400W MH |
| 250MP | NA 250W MH, protected |
| 400MP | NA 400W MH, protected |

| Electronic Ballast | |
|--------------------|---------------------------|
| Mogul Base | Medium Base |
| NA | 70DEM 70W MH, electronic |
| NA | 10DEM 100W MH, electronic |
| NA | 15DEM 150W MH, electronic |
| 32PME | NA 320W MH, electronic |
| 32PPE | NA 320W MH, electronic |
| 35PME | NA 350W MH, electronic |
| 40PME | NA 400W MH, electronic |

| Pulse Start, Mogul Base | |
|-------------------------|-------------------------|
| 175PM | 175W MH |
| 250PM | 250W MH |
| 320PM | 320W MH |
| 350PM | 350W MH |
| 400PM | 400W MH |
| 250PP | 250W MH |
| 320PP | 320W MH |
| 350PP | 350W MH |
| 400PP | 400W MH |
| 35EPM | 350W MH, linear reactor |
| 40EPM | 400W MH, linear reactor |
| 35EPP | 350W MH, linear reactor |
| 40EPP | 400W MH, linear reactor |

| Compact Fluorescent | |
|---------------------|------------------|
| 470CF | 4 lamp, 70W CFL |
| 657CF | 6 lamp, 57W CFL |
| 257CF | 2 lamp, 57W CFL |
| 270CF | 2 lamp, 70W CFL |
| 112CF | 1 lamp, 120W CFL |

| 12 | 120 Volt | B | 6611 (Wide) |
|---------------|---------------------------|---|---------------|
| 20 | 208 Volt | D | 6612 (Narrow) |
| 24 | 240 Volt | | |
| 27 | 277 Volt | | |
| 34 | 347 Volt | | |
| Multi-voltage | | | |
| MA | Prewired for 120V | | |
| MB | Prewired for 208V | | |
| MC | Prewired for 240V | | |
| MD | Prewired for 277V | | |
| MT | Multi-voltage 120V - 277V | | |
| VT | Vari-tap 120V, 277, 347V | | |



| N | O | M | EM | F1 |
|--------------------------------|------------------------------|--|----------------|--------------------|
| 5 | 6 | 7 | 8 | 9 |
| OPTICAL MOUNTING | OPTICAL CONFIGURATION | FINISH | OPTIONS | ACCESSORIES |
| N Neck only G Rod and rings | O Open E Enclosed | K Black paint L Satin nickel W White paint | See below | See below |

8 Options

| | |
|------------------------------|--|
| EM ¹ | Standby lighting fixture. Appropriate tungsten-halogen lamp is supplied with fixture (NA with "26CFL", "42CFL", "52CFL", "84CFL", "70DEM", "10DEM", "15DEM", "35EPM" or "40EPM") |
| F1 ¹ | Single fuse assembly (NA with "26CFL", "42CFL", "52CFL", "84CFL", "70DEM", "10DEM" or "15DEM") |
| F2 ¹ | Double fuse assembly (NA with "26CFL", "42CFL", "52CFL", "84CFL", "70DEM", "10DEM" or "15DEM") |
| HF ¹ | Holoflex I and II flexible wiring (Available through TSG only) |
| H ¹ | HALT automatic lamp time out (NA with "26CFL", "42CFL", "52CFL", "84CFL", "70DEM", "10DEM" or "15DEM") |
| CDP-L5-15-X-PT ² | 120V cord and plug |
| CDP-L6-15-X-PT ² | 208/240V cord and plug |
| CDP-L7-15-X-PT ² | 277V cord and plug |
| CDP-L24-20-X-PT ² | 347V cord and plug |
| PF-396 | Safety hook, (.75") male, packed with unit, installed in field |
| PF-397 | Loop, (.75") male, packed with unit, installed in field |
| C3 | 3' safety chain |
| C6 | 6' safety chain |
| C1 | 10' safety chain |
| CD-3-PT | 3' cord |
| CD-4-PT | 4' cord |
| CD-5-PT | 5' cord |
| CD-6-PT | 6' cord |

1 "MT" or "VT" available with "CD", "CDP", HALT or Fusing through TSG. Customer specifies voltage to be wired

2 Order PF also. "X" = length of cord in feet. 3 ft. is standard

9 Accessories (Ships separately)

| | |
|------------|--|
| F1 | Single fuse assembly |
| F2 | Double fuse assembly |
| LAMP | Appropriate HID lamp supplied with fixture |
| PF-396-ACC | Safety hook, (.75") male |
| PF-397-ACC | Loop, (.75") male |
| ILCHAIN3 | 3' safety chain |
| ILCHAIN6 | 6' safety chain |
| ILCHAIN10 | 10' safety chain |

Wire Guards

| | |
|-------------------|---------------------------------|
| 0277 ¹ | Wire guard relamp door |
| 09267 | Enclosed 6611 optic |
| 09268 | Enclosed 6612 optic |
| 09269 | Open 6611 optic |
| 09270 | Open 6612 optic |
| 09274 | Rods and rings, open 6611 optic |
| 09275 | Rods and rings, open 6612 optic |

1 For use with 09269 or 09270

Contact your local sales rep for the most current option and accessory compatibility.

HOLOPHANE®

The 02454 large and compact luminaires provide the ideal lighting design element for applications requiring an industrial, retro or warehouse look. This product has been used in industrial applications for over 50 years.

The unpainted cast aluminum husks and latches portray the rugged look desired for an industrial image. The 02454 product line offers two covers and three color options to contribute to the style and function of any lighting environment.

Since 1937, the 02454 has been the ultimate in low brightness, energy efficient lighting.

DESIGNER

02454 Series

24N | 24I | 24S | 24R

FEATURES:

- Superior prismatic glass performance
- Reflector/refractor combination provides unique design element
- Three optical choices to customize lighting designs
- Optional covers and colors
- Available with the highly efficient Elite Series electronic ballast

Example: 24I 400MH 12 D U 1 CD-3 SMWG



How to Construct a Catalog Number:

| 24I 1 | | 400MH 2 | | 12 3 | |
|---|--|---|--|--|--|
| LUMINAIRE | | SOURCE AND WATTAGE | | VOLTAGE | |
| <p>24N Non-ballasted 24I Integrally mounted 24S Surface mounted 24R Remote mounted</p> <p>Large Version <i>D and L Optics:</i></p> <p>Compact Version <i>C Optic:</i></p> <p>Elite Series Version <i>D and L Optics:</i></p> | | <p>24I, 24R, 24S METAL HALIDE 70DMH 70W MH, medium 10DMH 100W MH, medium 15DMH 150W MH, medium 17DMH² 175W MH, medium 175MH² 175W MH, mogul 250MH² 250W MH, mogul 400MH² 400W MH, mogul</p> <p>Energy Saving 25LMH² 250W MH 40LMH² 400W MH</p> <p>COMPACT FLUORESCENT 26CFL¹ 26W 42CFL¹ 42W</p> <p>24I, 24S PULSE START METAL HALIDE 175PM² 175W MH 250PM² 250W MH 320PM² 320W MH 400PM² 400W MH</p> <p>Energy Saving 25LPM² 250W MH 35LPM² 350W MH 40LPM² 400W MH</p> <p>Elite Series Electronic Ballast 32PME³ 320W 35PME³ 350W 40PME³ 400W</p> <p>24I only COMPACT FLUORESCENT 57CFL¹ 57W CFL 457CFL¹ 228W, 4-57W CFL</p> <p>24N INCANDESCENT 300DIN 300W MH, medium 500DIN 500W MH, mogul</p> | | <p>24N 12 120 Volt 24I, 24S 12 120 Volt 20 208 Volt 24 240 Volt 27 277 Volt 34 347 Volt MT Multi-Voltage (120 - 277V)</p> <p>24R 12 120 Volt 27 277 Volt 34 347 Volt MT¹ Multi-Voltage (120 - 277V) VT² Vari-Tap (120, 277, 347V) Canada only</p> <p>24I, 24S, 24R Multi-voltage MA Prewired for 120V MB Prewired for 208V MC Prewired for 240V MD Prewired for 277V AV³ 120-277V Auto sensing 08⁴ 208 Volt 40⁴ 240 Volt V⁵ 208, 240, 277 Auto sensing</p> | |
| <p>24N Non-ballasted Mount</p> | | <p>24I Integral Mount</p> | | <p>24S Surface Mount</p> | |
| <p>24I Integral Mount</p> | | <p>24I Integral Mount</p> | | <p>24R Remote Mount</p> | |
| <p>Maximum Weight: 7 kg. (16 lbs.)</p> | | <p>Maximum Weight: 3 kg. (5 lbs.)</p> | | <p>Maximum Weight: 8.16 kg. (18 lbs.)</p> | |
| <p>Maximum Weight: 7 kg. (16 lbs.)</p> | | <p>Maximum Weight: 3 kg. (5 lbs.)</p> | | <p>Maximum Weight: 8.16 kg. (18 lbs.)</p> | |
| <p>Maximum Weight: 7 kg. (16 lbs.)</p> | | <p>Maximum Weight: 3 kg. (5 lbs.)</p> | | <p>Maximum Weight: 8.16 kg. (18 lbs.)</p> | |
| <p>Maximum Weight: 7 kg. (16 lbs.)</p> | | <p>Maximum Weight: 3 kg. (5 lbs.)</p> | | <p>Maximum Weight: 8.16 kg. (18 lbs.)</p> | |



ARCHITECTURAL INDOOR

DESIGNER

Prismatic Glass
Reflectors

02454 Series



02454 D
Large Optic with
Delphic® bottom glass



02454 L
Large Optic



02454 C
Compact Optic

D

4

OPTICS

Large

D Large 02454 with
Delphic® bottom glass

L Large 02454

Compact

C Compact 02454

U

5

COLOR

U Unfinished

K Black

W White

1

6

STEM

1 18" stem

2 48" stem

3¹ 96" stem

4^{2, 5} 18" stem with 45° swivel

5^{2, 5} 48" stem with 45° swivel

6^{2, 3, 5} 96" stem with 45° swivel

7 40" stem

8 26" stem

9 9" stem

10 3" stem

N⁴ No stem for 24N only

X⁴ Special length stem

XS⁴ Special length stem with swivel

1 Available with 175MH, 250MH, 25LMH, 400MH, 40LMH and all Metal Halide wattages when utilizing 24R mounting only)

2 For 24N and 24R only

3 Not available for compact fluorescent

4 Available in increments of 1"

5 Not available with 175PM 250PM, 320PM, 35LPM, 400PM, 40LPM

CD-3

7

OPTIONS

See below

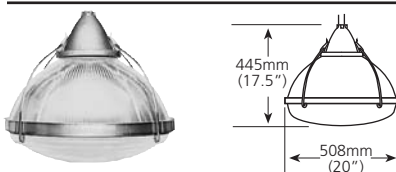
Lamp

8

ACCESSORIES

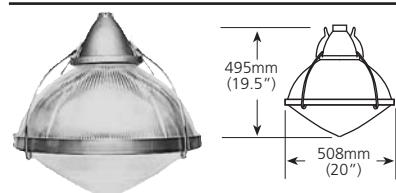
See below

D | Large 02454



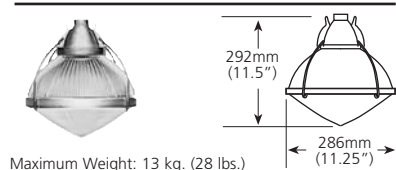
Maximum Weight: 21 kg. (45 lbs.)

L | Large 02454



Maximum Weight: 21 kg. (45 lbs.)

C | Compact 02454



Maximum Weight: 13 kg. (28 lbs.)

7 Options

24I only

CD-3 3' cord only

CD-4 4' cord only

CD-5 5' cord only

CD-6¹ 6' cord only

CDP-L5-15-3² (120V) 3', three conductor cord and NEMA plug

CDP-L6-15-3² (208/240V) 3', three conductor cord and NEMA plug

CDP-L7-15-3² (277V) 3', three conductor cord and NEMA plug

CDP-L24-20-3² (347V) 3', three conductor cord and NEMA plug

LP Loop, 3/4" male

HK Safety hook, 3/4" male

24I, 24S, 24R & 24N

AL Aluminum cover

CU Copper cover

CX³ Special length chain

D Dimming with terminal blocks

S Single pack for electrical ship

F1⁴ Single fusing for 120, 240, 277 and 347V

F2⁵ Double fusing for 208 and 240V

EM⁶ Standby lighting fixture. Appropriate tungsten-halogen lamp and relay are supplied with the fixture

1 For length longer than 6', handled through TSG

2 Order "PF" also. (Not available with "MT" or "VT")

3 X = number of feet

4 Not available with 24N

5 Not available with 70, 100, 150W 24R or 24N

6 Not available with 26CFL or 42CFL or 24N

8 Accessories (Ships separately)

Lamp Appropriate lamp supplied with fixture

SMWG Wire guard for "C" optics only

HOOK455 Safety hook, 3/4" male

LOOP456 Loop, 3/4" male

Contact your local sales rep for the most current option and accessory compatibility.

HOLOPHANE®

The PGRL Series is the original Prismatic Glass Reflector Luminaire. The retro-styled glass reflector is supported by steel rods attached to a slotted husk. This design creates a timeless image unequaled by cheap imitations.

DESIGNER PGRL Series

PGN | PGI | PGS | PGR

The larger unit is available with two glass reflector choices and the compact unit is available with four different optics, depending on desired dimensions and light distributions. This fixture can also be ordered with an aluminum or copper cover over the optic. An optional ELB (low brightness) reflector is also available.

FEATURES:

- Authentic representation from yesteryear
- Available in 3 sizes to allow for proper scaling
- Variety of finishes and covers
- Husk and rods provide visual appeal
- Available with the highly efficient Elite Series electronic ballast

Example: PGI 400MH 12 92 U 1 CD-3 09230



How to Construct a Catalog Number:

| PGI 1 | | 400MH 2 | | 12 3 |
|--|--|---|--|--|
| LUMINAIRE | | SOURCE AND WATTAGE | | VOLTAGE |
| <p>PGN Non-ballasted PGI Integrally mounted PGS Surface mounted PGR Remote mounted</p> <p>Large Version 40 and 92 Optics:</p> <p>Compact Version 82, 84, 85 and 86 Optics:</p> <p>Elite Series Version 40 and 92 Optics:</p> <p>PGN Non-ballasted Mount</p> | | <p>PGI, PGR, PGS</p> <p>METAL HALIDE</p> <p>70DMP² 70W MH, protected medium 10DMP² 100W MH, protected medium 15DMP² 150W MH, protected medium 17DMP² 175W MH, protected medium 175MP² 175W MH, protected 250MH 250W MH 250MP² 250W MH, protected 400MH¹ 400W MH 400MP 400W MH, protected</p> <p>Energy Saving</p> <p>25LMP² 250W MH, protected 40LMH 400W MH</p> <p>COMPACT FLUORESCENT</p> <p>26CFL³ 26W 42CFL³ 42W</p> <p>PGI, PGS</p> <p>PULSE START METAL HALIDE</p> <p>250PP 250W MH, protected 320PP² 320W MH, protected 400PM 400W MH</p> <p>Energy Saving</p> <p>35LPP² 350W MH, protected 40LPM 400W MH 40LPP 400W MH, protected</p> <p>Elite Series Electronic Ballast</p> <p>32PPE 320W, protected 35PPE 350W, protected 40PPE 400W, protected 40PME 400W</p> <p>PGI</p> <p>COMPACT FLUORESCENT</p> <p>457CFL³ 228W, 4-57W 470CFL³ 280W, 4-70W</p> <p>PGN</p> <p>INCANDESCENT</p> <p>300DIN 300W, medium 500DIN 500W, mogul</p> | | <p>PGN</p> <p>12 120 Volt</p> <p>PGI, PGS</p> <p>12 120 Volt 20 208 Volt 24 240 Volt 27 277 Volt 34 347 Volt</p> <p>MT Multi-Voltage (120 - 277V)</p> <p>PGR</p> <p>12 120 Volt 27 277 Volt 34 347 Volt</p> <p>MT¹ Multi-voltage (120 - 277V) VT² Vari-tap (120, 277, 347V) Canada only</p> <p>1 Available with 175, 250 or 400W only 2 Available with 250, 400W only</p> |
| <p>PGI Integral Mount</p> <p>Maximum Weight: 7 kg. (16 lbs.) Maximum Weight: 3 kg. (5 lbs.) Maximum Weight: 8.16 kg. (18 lbs.)</p> | | | | |
| <p>PGS Surface Mount</p> <p>Maximum Weight: 7 kg. (16 lbs.) Maximum Weight: 3 kg. (5 lbs.) Maximum Weight: 8.16 kg. (18 lbs.)</p> | | | | |
| <p>PGR Remote Mount</p> | | | | |



ARCHITECTURAL INDOOR

DESIGNER

Prismatic Glass
Reflectors

PGRL Series



Large Optic



Compact Optic

92
4

U
5

1
6

CD-3
7

09230
8

OPTICS

Large

40 6640 reflector
92 6692 reflector

Compact

82¹ 6582 reflector
84² 6584 reflector
85¹ 6585 reflector
86¹ 6586 reflector

- Available with 15DMP and below only
- Available with 30DIN, 26CFL and 46CFL only

COLOR

U Unfinished
K Black
W White

STEM

1 18" stem
2 48" stem
3¹ 96" stem
4² 18" stem with 45° swivel
5² 48" stem with 45° swivel
6² 96" stem with 45° swivel
N No stem-for PGN only
X^{3,4} Special length stem
XS^{4,5} Special length stem with swivel less

- Available with 17DMH, 175MH, 25LMH, 250MH, 40LMH and 400MH when utilizing PGI and PGS only
- Not available with PGI and PGS
- Not available with PGI
- Available in increments of 1"
- Available with PGR only

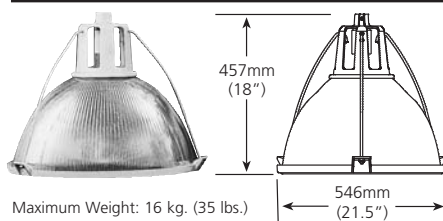
OPTIONS

See below

ACCESSORIES

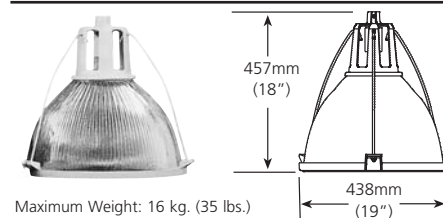
See below

40 | 6611 Reflector



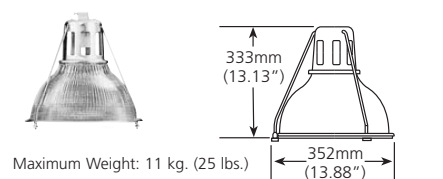
Maximum Weight: 16 kg. (35 lbs.)

92 | 6692 Reflector



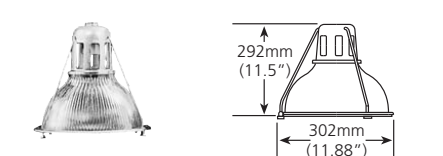
Maximum Weight: 16 kg. (35 lbs.)

82/85/86 | 6582/6585/6586 Reflector



Maximum Weight: 11 kg. (25 lbs.)

84 | 6584 Reflector



Maximum Weight: 11 kg. (25 lbs.)

7 Options

PGI only

CD-3 3' cord only
CD-4 4' cord only
CD-5 5' cord only
CD-6 6' cord only (for length longer than 6', handle through TSG)
CDP-L5-15-3¹ (120V) 3', three conductor cord and NEMA plug
CDP-L6-15-3¹ (208/240V) 3', three conductor cord and NEMA plug
CDP-L7-15-3¹ (277V) 3', three conductor cord and NEMA plug
CDP-L24-20-3¹ (347V) 3', three conductor cord and NEMA plug
X Cord length beyond 3' (X = number of feet)
HK Safety hook, 3/4" male
LP Loop, 3/4" male

PGN, PGI, PGS, PGR

F1² Single fusing for 120, 240, 277 and 347V
F2^{2,3} Double fusing for 208 and 240V
AL Aluminum cover (6692 optics only)
CU Copper cover (6692 optics only)
ELB AL with extra low brightness (6692 optics only)
EM Standby lighting fixture. Appropriate tungsten-halogen lamp and relay supplied with fixture. (Available with PGI, PGS and PGR only)

8 Accessories (Ships separately)

Lamp Appropriate lamp supplied with fixture
0268 Wire guard for 6584 optics only
0256 Wire guard for 6582, 6585 and 6586 optics only
09229 Wire guard for 6640 optics only
09230 Wire guard for 6692 optics only
HOOK455 Safety hook, 3/4" male ("PGI" only)
LOOP456 Loop, 3/4" male ("PGI" only)

- Order "PF" also (Not available with "MT" or "VT")
- Not available with PGN
- Not available with 70, 100, 150W PGR

Contact your local sales rep for the most current option and accessory compatibility.

HOLOPHANE®

DESIGNER

PrismGlo® - Large

BL2A | BL2B | BL2C BL2D | BL2E

The PrismGlo Series offers five unique optical choices ranging from 40 to 60 percent uplight. The combination of uplight and downlight results in even layout with excellent vertical footcandles. The enclosed, prismatic glass has proven its performance as a rugged, industrial fixture. It has also been used successfully in many gymnasiums, workshops, offices and a wide variety of retail environments.

Asymmetric or symmetric distributions coupled with a narrow or wide beam spread increases the versatility of this luminaire allowing it to meet the needs of an entire facility.

FEATURES:

- Balance horizontal and vertical illumination
- Variety of mounting arrangements
- Five distinctive shapes
- High efficiency ballast
- Available with the highly efficient Elite Series electronic ballast



Example: BL2A 200HP 12 A 1 EM F1

How to Construct a Catalog Number

BL2A

200HP

12

1

2

3

LUMINAIRE

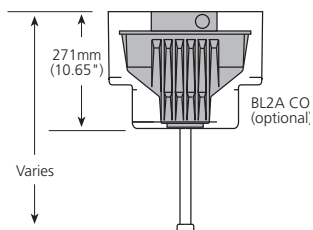
- BL2A** Surface ceiling mount ballast
- BL2B**¹ Recessed ceiling mount ballast
- BL2C** Integral ballast - 55°C
- BL2D** Integral ballast - 65°C
- BL2E**² Recessed ceiling, remote mount
- BL2F** Canadian remote ballast
- BL2G** Canadian remote ballast
- BL2J** Surface mount luminaire ballast

¹ 120, 277 and 347V only

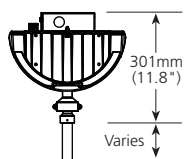
² MT and 480V only (Not available with pulse start lamps)

BL2A | Surface Mount

Elite Series Ballast



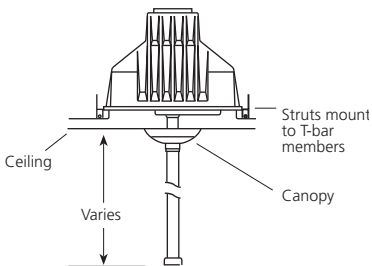
Maximum Weight: 7 kg. (16 lbs.)



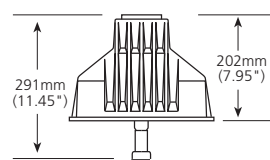
Maximum Weight: 8.16 kg. (18 lbs.)

BL2B | Recessed Mount

BL2D | Integral Mount



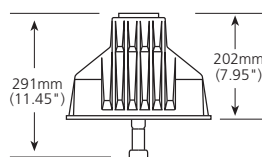
Maximum Weight: 7 kg. (16 lbs.)



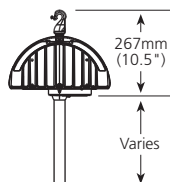
Maximum Weight: 7 kg. (16 lbs.)

BL2C | Integral Mount

Elite Series Ballast



Maximum Weight: 7 kg. (16 lbs.)



Maximum Weight: 8.16 kg. (18 lbs.)

SOURCE AND WATTAGE

METAL HALIDE

- 175MH**¹ 175W MH
- 250MH**¹ 250W MH
- 250MP**^{1,4} 250W MH
- 400MH**¹ 400W MH

Energy Saving

- 25LMH**^{1,2} 250W MH
- 25LMP**^{1,2,4} 250W MH
- 40LMH**^{1,2} 400W MH

BL2A, BL2C, BL2J

PULSE START METAL HALIDE

- 175PM** 175W MH
- 250PM** 250W MH
- 250PP**⁴ 250W MH, protected
- 320PM** 320W MH
- 320PP**⁴ 320W MH, protected
- 350PM**³ 350W MH
- 400PM** 400W MH
- 35EPM** 350W Linear reactor

BL2C only

Elite Series Electronic Ballast

- 32PME** 320W
- 32PPE** 320W, protected
- 35PME** 350W, protected
- 35PPE** 350W, protected
- 40PPE** 400W, protected
- 40PME** 400W

BL2A and BL2C only

Energy Saving

- 25LPM**⁴ 250W MH
- 25LPP**⁴ 250W MH, protected
- 35LPM**¹ 350W MH
- 35LPP**⁴ 350W MH, protected
- 40LPM** 400W MH

BL2K only

COMPACT FLUORESCENT

- 457CFL** 4-57W
- 470CFL** 4-70W

BL2E, BL2F, BL2G only

INCANDESCENT

- 500DIN** 500W, mogul

- ¹ NA with BL2K
- ² NA with BL2J
- ³ NA with BL2A or BL2B
- ⁴ Open fixture lamp

VOLTAGE

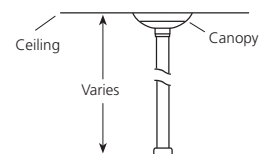
- 12** 120V
- 20**³ 208V
- 24**³ 240
- 27** 277V
- 34** 347V
- 48**¹ 480V
- MT**¹ Multi-voltage (120-277V)
- VT**^{2,3} Vari-tap (120, 277, 347V)

¹ NA with BL2B

² NA with 200HP, 175MH, 500IN, 175PM, 400PM, 40LPM, 25LHP, 40LHP, 25LMH, 25LMP or 40LMH

³ NA with BL2B and BL2E

BL2E, BL2F, BL2G | Remote Mount



BL2J | Surface Mount Illuminaire Ballast



Maximum Weight: 12.6 kg. (28 lbs.)



ARCHITECTURAL INDOOR

DESIGNER

PrismGlo® Series Large Version



Athena



Aurora



Delphic



Electra



Mentor

A

4

OPTICS

Athena

R 60 up/40 down

J 40 up/60 down

Aurora

A 50 up/down

Delphic

D 50 up/down

Electra

E 50 up/down

Mentor

M 50 up/down, 250W max.

1

5

STEM LENGTH

For BL2A, BL2B and BL2E

1 229mm (9")

2 381mm (15")

4 508mm (20")

5 660mm (26")

X¹ Special length

For BL2C and BL2D

3 76mm (3") factory installed

X¹ Special length

1 Available in increments of 25mm (1")

nominal. Insert appropriate stem

length (No.) in top catalog number

EM

6

OPTIONS

See page 26

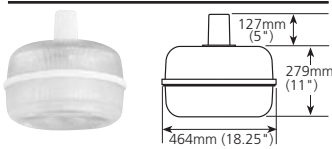
F1

7

ACCESSORIES

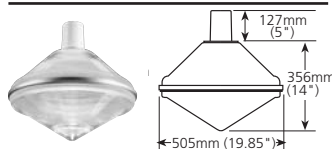
See page 27

R/J | Athena®



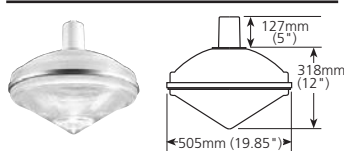
Maximum Weight: 14.7kg. (32.5 lbs.)

E | Electra®



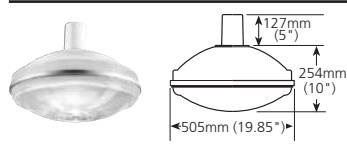
Maximum Weight: 14.8 kg. (33 lbs.)

A | Aurora®



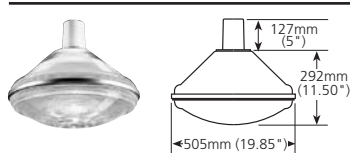
Maximum Weight: 14.8 kg. (33 lbs.)

M | Mentor®



Maximum Weight: 13.8 kg. (31 lbs.)

D | Delphic®



Maximum Weight: 13.9 kg. (31 lbs.)

HOLOPHANE®

The Compact PrismGlo Series offers 5 unique optical choices with 40-45 percent uplight. The combination of uplight and downlight results in even layout with excellent vertical footcandles. Refracting prisms with Blondel flutes provide extremely low sidewall brightness.

The enclosed, prismatic glass has proven its performance as a rugged, industrial fixture. It has also been used successfully in many restaurants, grocery stores, offices and a wide variety of retail environments.

DESIGNER

PrismGlo® - Compact

PAB | PAC

FEATURES:

- Optical prismatic glass refractor for low-glare
- Balance horizontal and vertical illumination
- Variety of mounting arrangements
- 5 distinctive shapes

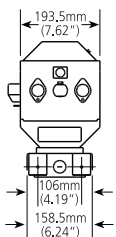
Example: PAB 70DHP 12 A 1 EM F1



How to Construct a Catalog Number

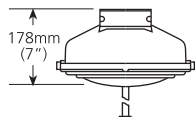
| PAB | 70DHP | 12 | A |
|---|---|--|---|
| 1 | 2 | 3 | 4 |
| LUMINAIRE | SOURCE AND WATTAGE | VOLTAGE | OPTICS |
| PAB^{1,3} Recessed/remote ballast PAC^{2,4} Integral ballast, 40°C 1 C/UL Listed 1029 and 935, 40° dry location stem and optic UL listed 1598 damp location 2 C/UL Listed 1598 damp location, CSA Certified 3 Available 120, 277, 347V only | 70DHP¹ 70W HPS 10DHP¹ 100W HPS 150HP¹ 150W HPS 70DMH^{1,3} 150W MH 10DMH^{1,3} 100W MH 15DMH^{1,2,3} 150W MH 17DMH¹ 175W MH PAB only 26CFL 26W Compact fluorescent INCANDESCENT 15DIN 150W, medium PAC only FLUORESCENT 42CFL 42W Compact fluorescent 57CFL 57W Compact fluorescent 1 All HID and incandescent lamps are medium base socket 2 NA for 347V 3 NA for 480V | For PAB only 12 120V 27 277V 34 347V (Canada) For PAC only 12 120V 20 208V 24 240 27 277V 34 347V (Canada) 48 480V MT¹ Multi-voltage 1 For 120, 208, 240 and 277V | J Athena – 45 up/55 down A Aurora – 40 up/60 down D Delphic – 45 up/55 down E Electra – 45 up/55 down M Mentor – 40 up/60 down |

PAB | Recessed/Remote Mount



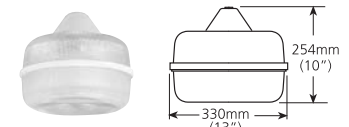
Maximum Weight: 1000W Ballast 18.6 kg (41 lbs.)
All others 11.4 Kg (25 lbs.)

PAC | Integral Mount



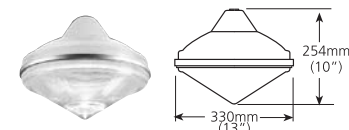
Maximum Weight: 13.6 kg. (30 lbs.)

J | Athena®



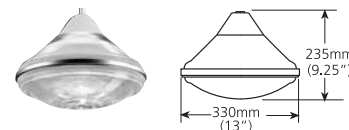
Maximum Weight: 5.4 kg. (12 lbs.)

A | Aurora®



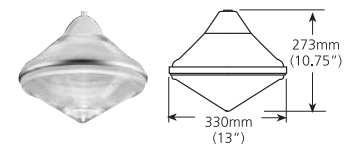
Maximum Weight: 3.97 kg. (8.75 lbs.)

D | Delphic®



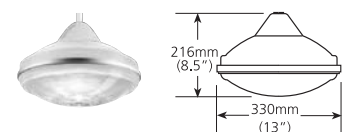
Maximum Weight: 3.74 kg. (8.25 lbs.)

E | Electra®



Maximum Weight: 3.97 kg. (8.75 lbs.)

M | Mentor®



Maximum Weight: 3.74 kg. (8.25 lbs.)



**ARCHITECTURAL
INDOOR**

DESIGNER

PrismGlo® Series
Compact Version



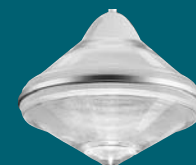
Athena



Aurora



Delphic



Electra



Mentor

1

5

STEM LENGTH

- 1** 127mm (5")
- 2** 381mm (15")
- X¹** Special length

¹ Available in increments of 25mm (1") nominal

EM

6

OPTIONS

See page 29

F1

7

ACCESSORIES

See page 29

DESIGNER

PrismGlo® Series - Large: Options and Accessories

BL2A | BL2B | BL2C | BL2D | BL2E



6 Options

| | |
|--|---|
| EM | Standby lighting fixture uses a D.C. 250W max. bayonet base, tungsten halogen lamp (included) to provide standby lighting. Includes internal relay to switch quartz lamp when temporary power failure extinguishes HID lamp |
| ER | Emergency lighting fixture less relay for use with a 120 volt external power source to operate a D.C. 250W max. bayonet tungsten halogen lamp (included) to provide emergency lighting |
| F1 | Single fuse assembly for 120, 240, 277, or 347V (Not available with BL2E) |
| F2 | Double fuse assembly for 208, 240, or 480V (Not available with BL2B or BL2E) |
| PS | HPS protected starter (see HL-838). Not available on BL2E units or stem lengths over 1.2m (4') |
| 09160-X | Safety chain for BL2A, BL2B, BL2C, and BL2D. Insert length of chain in feet for X. .914m (3') is standard length. Not available with BL2A-CO |
| R1 | Plastic relamp plate. Available with D, J, M and R optic styles |
| R2 | Plastic relamp plate. Available with A and E optic styles |
| R3 | Glass relamp door |
| S | Single pack |
| Mounting Options (BL2B, BL2C and BL2D only) | |
| Q | Quick disconnect power hanger for pendant and thru-way wiring; all fixtures except "-CDP", "PHCB", "PF", "ER" |
| N | Non-disconnect, pendant and thru-way wiring |
| Options (BL2C and BL2D only) | |
| LP | Loop, DN20NPT (.75") male; all fixtures except "Q" |
| HK | Safety hook, DN20NPT (.75") male; all fixtures except "Q" |
| PF-129 | Anti-rotational hook, DN20NPT (.75") male; all fixtures except "Q" |
| PF-291 | Universal gasketed hook assembly, 3/4" male. Not available with "Q" |
| PHCB | Power-hook cord for 120, 208, 240, 277 and 347V (use with "UPH-35-XXX-WH" or "UPH-36-XXX-WH"); all fixtures except "MT", "ER", or "Q" |
| PHCB-L8-480 | Power-hook cord for 480V (use with "UPH-35-L8-480-WH" or "UPH-36-L8-480-WH"); all fixtures except "ER" or "Q" |
| CD-3 | 3' Cord only |
| CD-4 | 4' Cord only |
| CD-5 | 5' Cord only |
| CD-6 | 6' Cord only; for length longer than 6 ft handle through TSG |
| CX | Special Length Safety Chain |
| CDP-L5-15-X (120V) | 120V 914mm (3'), three conductor cord and NEMA plug (order "PF" also) X = no. of feet. 3' std length |
| CDP-L6-15-X (208/240V) | 208/240V 914mm (3'), three conductor cord and NEMA plug (order "PF" also) X = no. of feet. 3' std length |
| CDP-L7-15-X (277V) | 277V 914mm (3'), three conductor cord and NEMA plug (order "PF" also) X = no. of feet. 3' std length |
| CDP-L24-20-X (347V) | 347V 914mm (3'), three conductor cord and NEMA plug (order "PF" also) X = no. of feet. 3' std length |
| CDP-L8-20-X (480V) | 480V 914mm (3'), three conductor cord and NEMA plug (order "PF" also) X = no. of feet. 3' std length |
| HFW | Holoflex® flexible wiring system (see HL-992) - Not available in Canada |
| AERS-35/AERS-50 | For BL2C only. Automatic Energy Reduction System. 25LHP, 40LHP, 25LMH, and 40LMH (energy saving ballast) units only. 25LMH and 40LMH available with AERS-50 only. Available with "-EM" on AERS-50 only. Not available with "ER" |
| D | Dimming with terminal block and leads for Elite Series ballast BL2C |

Note: For applications where the luminaire may be subject to impact, the plastic relamp plate is required

7 Accessories (Ships separately)

| | |
|---|--|
| LAMP | Appropriate HID lamp supplied with fixture |
| F1 | Single fuse assembly for 120, 240, 277, or 347V (BL2E only) |
| F2 | Double fuse assembly for 208, 240, or 480V (BL2E only) |
| BL2A-CO | Decorative ballast cover for BL2A units only |
| 09205 | Plastic relamp plate for Athena, Mentor, Delphic |
| 09206 | Plastic relamp plate for Aurora, Electra |
| 09279 | Glass relamp access plate |
| WGCG | For BL2B and BL2E with C and H optics and BL2C with C, H, W or L optics |
| PF-105-B1 | Cast malleable iron loop assembly, (.75") male |
| Accessories for BL2C and BL2D only | |
| LOOP456 | Loop, DN20NPT (.75") male; not available with "Q" |
| PF-116-A | Loop, DN20NPT (.75") female; not available with "Q" |
| HOOK455 | Safety hook, DN20NPT (.75") male; not available with "Q" |
| PF-122-A | Safety hook, DN20NPT (.75") female; not available with "Q" |
| PF-129-A | Anti-rotational hook, DN20NPT (.75") male; not available with "Q" |
| PF-291-A | Universal gasketed hook assembly 3/4" male; not available with "Q" |
| UPH-35-XXX-WH2 | Thru-way power-hook (order "PHCB" with fixture); all fixtures except "MT", "ER", or "Q" |
| UPH-35-L8-480-WH | Thru-way power-hook for 480V (order "PHCB-L8-480" with fixture); all fixtures except "ER" or "Q" |
| UPH-36-XXX-WH2 | Pendant power-hook (order "PHCB" with fixture); all fixtures except "MT", "ER", or "Q" |
| UPH-36-L8-480-WH | Pendant power-hook for 480V (order "PHCB-L8-480" with fixture); all fixtures except "ER" or "Q" |

Note: For applications where the luminaire may be subject to impact, the plastic relamp plate is required

1 For Elite Series ballast BL2C

2 Insert voltage for "XXX". (120, 208, 240, 277, 347V)

DESIGNER

PrismGlo® Series - Compact: Options and Accessories

PAB | PAC

6 Options

Options (PAB only)

| | |
|-----------|---|
| EM | Standby lighting fixture uses a D.C. bayonet base, tungsten halogen lamp included to provide standby lighting, includes internal relay to switch quartz lamp when temporary power failure extinguishes HID lamp. 100W tungsten halogen lamp is supplied for "10DHP", "10DMH", "50DWS", and "10DWS"; 150W tungsten halogen lamp is supplied for "15DHP", "15DMH", and "17DMH". All fixtures except "50DMH", "70DMH", "70DHP", "18QFL", "26QFL", "23EFL", and "15DIN" |
| ER | Emergency lighting fixture less relay for use with a 120 volt external power source to operate a D.C. bayonet tungsten halogen lamp to provide emergency lighting. 100W tungsten halogen lamp is supplied for "10DHP", "10DMH", "50DWS", and "10DWS"; 150W tungsten halogen lamp is supplied for "15DHP", "15DMH", and "17DMH". All fixtures except "50DMH", "70DMH", "70DHP", "18QFL", "26QFL", "23EFL" and "15DIN" |
| F1 | Single fusing for voltage 120, 277 and 340V |
| N | Remote mounting brackets; all fixtures except "15DIN" |
| C | Hidden safety cable for optical assembly |

Options (PAC only)

| | |
|--|--|
| EM | Standby lighting fixture uses a D.C. bayonet base, tungsten halogen lamp included to provide standby lighting, includes internal relay to switch quartz lamp when temporary power failure extinguishes HID lamp. (Not available with 70DMH 347 volt) |
| ER | Emergency lighting fixture less relay for use with a 120 volt external power source to operate a D.C. bayonet tungsten halogen lamp to provide emergency lighting. (Not available with "CDP" or "PHCB") |
| PS | HPS protected starter, stem length 610mm (2') maximum |
| LP | Loop, DN20NPT (.75") male |
| HK | Safety hook, DN20NPT (.75") male |
| PF-129 | Anti-rotational hook, DN20NPT (.75") male |
| PF-291 | Universal gasketed and hook assembly, DN20NPT (.75") male |
| PHCB (120, 208, 240, 277, 347V) | Power-hook cord, special configuration plug cap and "PF-456" loop attached (use with "UPH-35-XXX-WH" or "UPH-36-XXX-WH"); all fixtures except "MT" and "ER" |
| PHCB-L8-480 (480V) | Power-hook cord, special configuration plug cap and "PF-456" loop attached (use with "UPH-35-L8-480-WH" or "UPH-36-L8-480-WH" on 480 volt units only); all fixtures except "ER" |
| CDP-L5-15-3 (120V) | 120V 914mm (3'), three conductor cord and NEMA plug (order "PF" also); all fixtures except "ER" and "MT" |
| CDP-L6-15-3 (208/240V) | 208/240V 914mm (3'), three conductor cord and NEMA plug (order "PF" also); all fixtures except "ER" and "MT" |
| CDP-L7-15-3 (277V) | 277V 914mm (3'), three conductor cord and NEMA plug (order "PF" also); all fixtures except "ER" and "MT" |
| CDP-L24-20-3 (347V) | 347V 914mm (3'), three conductor cord and NEMA plug (order "PF" also) |
| CDP-L8-20-3 (480V) | 480V 914mm (3'), three conductor cord and NEMA plug (order "PF" also); all fixtures except "ER" |

7 Accessories (Ships separately)

| | |
|----------------------------------|--|
| LAMP | Appropriate HID lamp supplied with fixture |
| Accessories (PAB only) | |
| F1 | Single fuse assembly for 120, 277 and 347V |
| Accessories (PAC only) | |
| F1 | Single fuse assembly for 120, 240, 277, or 347V; fuses are factory installed when ordered with "CDP" or "PHCB" |
| F2 | Double fuse assembly for 208, 240, or 480V; fuses are factory installed when ordered with "CDP" or "PHCB" |
| CE | Ceiling mounting kit |
| LOOP456 | Loop, DN20NPT (.75") male |
| PF-116-A | Loop, DN20NPT (.75") female |
| HOOK455 | Safety hook, DN20NPT (.75") male |
| PF-122-A | Safety hook, DN20NPT (.75") female |
| PF-129-A | Anti-rotational hook, DN20NPT (.75") male |
| PF-291 | Universal gasketed and hook assembly, DN20NPT (.75") male |
| UPH-35-XXX-WH¹ | Thru-way power-hook (order "PHCB" with fixture); all fixtures except "MT" and "ER" |
| UPH-35-L8-480-WH (480V) | Thru-way power-hook (order "PHCB-L8-480" with fixture); all fixtures except "ER" |
| UPH-36-XXX-WH¹ | Pendant power-hook (order "PHCB" with fixture); all fixtures except "MT" and "ER" |
| UPH-36-L8-480 (480V) | Pendant power-hook (order "PHCB-L8-480" with fixtures); all fixtures except "ER" |
| 09189-X | Safety chain to ballast housing. Insert length of chain in feet for X. Three feet is standard length |

Note: For applications where the luminaire may be subject to impact, the plastic relamp plate is required

¹ Insert voltage for "XXX". (120, 208, 240, 277, 347V)

HOLOPHANE®

DESIGNER

PrismGlo® - Enhanced

BL2H

The Enhanced PrismGlo Series offers five unique optical choices ranging from 40 to 60 percent uplight. The combination of uplight and downlight results in even layout with excellent vertical footcandles. Available as a quad or double chandelier, four rod pendant or wall mount in a variety of standard and custom colors makes this versatile luminaire an excellent choice for a variety of retail, school and commercial applications. Asymmetric or symmetric distributions coupled with a narrow or wide beam spread increases the versatility of this luminaire allowing it to meet the needs of an entire facility.

FEATURES:

- Balance horizontal and vertical illumination
- Variety of mounting arrangements
- Five distinctive shapes
- High efficiency ballast

Example: BL2H 70DHP 48 R 6 EM 09205

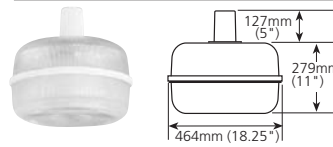


How to Construct a Catalog Number

| BL2H | 70DHP | 48 | R |
|---|---|--|--|
| 1 | 2 | 3 | 4 |
| LUMINAIRE | SOURCE AND WATTAGE | VOLTAGE | OPTICS |
| BL2H ¹ Remote Ballast ¹ Standard color is white | 200HP 200W HPS 250HP 250W HPS 400HP 400W HPS 175MH 175W MH 250MH 250W MH 400MH 400W MH 500IN ¹ 500INC., 120V only Energy Saving Ballast 25LHP ² 250W HPS 40LHP ² 400W HPS 25LMH ² 250W MH 40LMH ² 400W MH | 12 120V 48 480V MT ¹ Multi-voltage NB Non-ballasted ¹ For 120, 208, 240 and 277V | R Athena – 60 up/40 down J Athena – 40 up/60 down A Aurora – 50 up/50 down D Delphic – 50 up/50 down E Electra – 50 up/50 down M ¹ Mentor – 50 up/50 down ¹ 250W max |

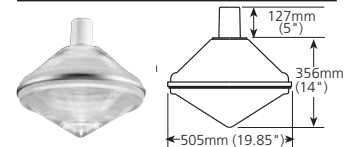
¹ 120 volt only
² Not available with "NB"

R/J | Athena®



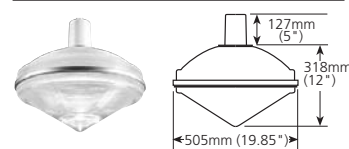
Maximum Weight: 14.7 kg. (32.5 lbs.)

E | Electra®



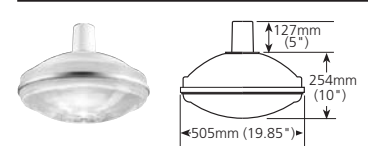
Maximum Weight: 14.8 kg. (33 lbs.)

A | Aurora®



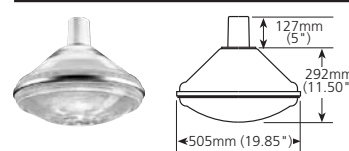
Maximum Weight: 14.8 kg. (33 lbs.)

M | Mentor®



Maximum Weight: 13.8 kg. (31 lbs.)

D | Delphic®



Maximum Weight: 13.9 kg. (31 lbs.)



**ARCHITECTURAL
INDOOR
DESIGNER**

Enhanced
PrismGlo®



Wall Mount



Four Rod Pendant

6

EM

09205

5

6

7

MOUNTING OPTIONS

Four Rod Pendant

- 6 Recessed, 305mm (12")
- 7 Recessed, 610mm (24")
- 8 Recessed, 914mm (36")
- 9 Surface, 305mm (12")
- 10 Surface, 610mm (24")
- 11 Surface, 915mm (36")
- 12 Swivel, 305mm (12")
- 13 Swivel, 305mm (24")
- 14 Swivel, 305mm (36")
- 15¹ Recessed, special length
- 16¹ Surface, special length
- 17¹ Swivel, special length

Wall Mount

- 18 Rods, 457mm (18")
- 19 Extrusion, 457mm (18")

Double Chandelier

- 20 Rods, 660mm (26") stem length
- 21 Extrusion, 660mm (26") stem length
- 22¹ Rods, special stem length
- 23¹ Extrusion, special stem length

Quad Chandelier

- 24 Rods, 660mm (26") stem length
- 25 Extrusion, 660mm (26") stem length
- 26¹ Rods, special stem length
- 27¹ Extrusion, special stem length

1 Available in increments of 25mm (1") nominal

OPTIONS

- EM** Standby lighting fixture uses a D.C. bayonet base, tungsten halogen lamp included to provide standby lighting, includes internal relay to switch quartz lamp when temporary power failure extinguishes HID lamp. NA with 500IN
- ER** Emergency lighting fixture less relay for use with a 120 volt external power source to operate a D.C. 250W max. bayonet tungsten halogen lamp (included) to provide emergency lighting. NA with 500IN
- F1** Single fusing for 120, 277 and 347V
- F2** Double fusing for 208, 240 or 480V
- R1** Relamp access door for "D", "J", "M" and "R" optics
- R2** Relamp access door for "A" and "E" optics
- R3** Glass relamp access door

ACCESSORIES

See below

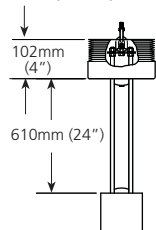
7 Accessories (Ships separately)

- Lamp** Appropriate lamp supplied with fixture
- F1** Single fusing for 120, 240 or 277V
- F2** Double fusing for 208 and 240V or 480V
- 09205¹** Plastic relamp access plate
- 09206²** Plastic relamp access plate
- 09279** Glass relamp access plate

1 Available with "R", "J", "D", or "M" optics only

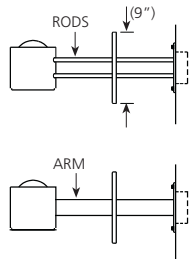
2 Available with "A" or "E" optics only

Four Rod Pendant (Swivel)



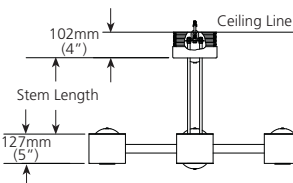
Maximum Weight with Glass:
18 kg. (40 lbs.)

Wall Mount



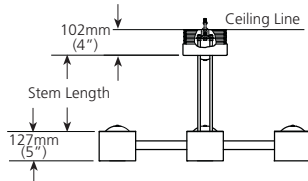
Maximum Weight with Glass:
16 kg. (35 lbs.)

Double Chandelier



Maximum Weight with Glass: 45 kg. (100 lbs.)

Quad Chandelier



Maximum Weight with Glass: 90 kg. (200 lbs.)

Contact your local sales rep for the most current option and accessory compatibility.

ARCHITECTUAL INDOOR

Recessed

At Holophane, we believe that even recessed luminaires should meet both form and function criteria. For that reason, our luminaires provide up to 20% more light than the competition while providing an element of sparkle with the CrystalGlo fixture's drop, prismatic glass.

Holophane's recessed fixtures have been used in athletic facilities, multipurpose rooms in schools, automobile showrooms, retail stores and various other commercial applications.



Notre Dame Retrofits Auxiliary Gym With Low Profile Luminaires:

Notre Dame University; South Bend, Indiana

The University of Notre Dame has long been recognized for its winning athletic programs. The university's auxiliary gymnasium is the site of the varsity teams' closed practices as well as a variety of non-varsity events. Because of the facility's popularity, it is utilized 70 to 100 hours each week. In the past, the gymnasium was illuminated with mercury vapor luminaires that had been installed during the early 1970s. At one time, the facility was used for wrestling, so most of the light fixtures had been mounted in the center of the gym where the mats were located. The result was a very bright area in the middle of the space with dark cavernous areas along the sides of the playing courts.

"Over the years, the athletic department had received a number of complaints about the inadequacy of the illumination," said Paul Kempf, director of utilities, University of Notre Dame. Based on past successes with Holophane luminaires in other campus facilities, the university retrofit the aged lighting system with low profile CrystalGlo® luminaires and 400-watt metal halide lamps. The university kept the existing 30-foot lay-in ceiling, which included a number of obstacles such as piping and ductwork. Luminaire spacing varied since the fixtures had to be placed around these obstacles.

"We selected the CrystalGlo luminaires because even with the irregular spacing, the fixtures provide the lighting uniformity that we need," said Kempf.

TYPICAL APPLICATIONS:

Gymnasiums

Office Buildings

Schools

Car Dealerships

Retail Stores

Fitness Centers

Training Facilities

Lighting solutions...

The CrystalGlo luminaire is an innovative, attractive 2' x 2' recessed or surface mounted luminaire for commercial, retail, industrial, school or institutional applications. The protruding glass element provides an attractive sparkle making the space pleasant to be in. The borosilicate glass refractor uniformly distributes light as it exits the luminaire providing unequaled visual comfort. Some of the light is directed to the ceiling to reduce the luminaire-to-ceiling light contrast.

CrystalGlo is offered in either a recess or surface mount configuration for application into a grid or hard ceiling. Various metal halide sources from 70 watt to 400 watt are available including pulse start configurations, linear reactors and low loss ballasts. Holophane potted ballasts provide quiet operation, full rated lamp output, low energy consumption and cooler operating temperatures for long life.



The Mirrolume luminaire provides a whole new level of efficiency from a 2 x 2 HID luminaire. The introduction of a highly specular material for use in the manufacture of the internal reflector creates an unequaled level of luminaire performance. Conventional 2 x 2 product offerings often use the white painted inner surface of the luminaire as the optical reflector. Energy savings up to 20% can be expected when the Mirrolume luminaire is compared to conventional 2 x 2 market offerings. And, when 20% fewer luminaires are required due to the efficiency gains of the Mirrolume luminaire, installation, operation and maintenance costs are also reduced.

The Mirrolume luminaire is offered in either a recessed or surface mount configuration for application into a grid or hard ceiling. Various metal halide sources from 70 watt to 400 watt are available including pulse start configurations, linear reactors and low loss ballasts. Several different photometric distributions are also available to efficiently match the luminaire to the application requirements.

From retail stores to school gymnasiums, the Mirrolume luminaire offers the best solution when a 2 x 2 HID luminaire is desired.

HOLOPHANE®

The CrystalGlo luminaire is an innovative, attractive 2' x 2' recessed or surface mounted luminaire for commercial, retail, industrial, school or institutional applications. The drop prismatic glass refractor combined with specular reflector provides superior photometrics while adding an element of sparkle to the ceiling. Holophane's potted ballast provides good thermal dissipation and sound absorption, for long life and quiet operation.

RECESSED CrystalGlo®

TG | TF | TS



FEATURES:

- Innovative HID luminaire for finished ceilings
- Prismatic optic for uniform illumination
- Specular segmented reflector for optimal efficiency
- Energy efficient, long life potted ballast

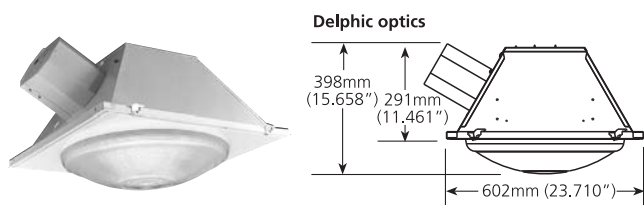
Example: TG 70DMH 12 DEL F1 TGWG



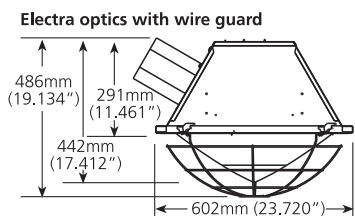
How to Construct a Catalog Number

| TG 1 | 70DMH 2 | 12 3 | DEL 4 |
|---|---|--|--|
| LUMINAIRE | SOURCE AND WATTAGE | VOLTAGE | OPTICS |
| TG¹ Troffer, Grid Mount TF¹ Troffer, Flange Mount TS¹ Surface Mount 1 CUL listed damp location, 25°C ambient | METAL HALIDE 70DMH 70W MH 10DMH 100W MH 15DMH 150W MH 175MH 175W MH 250MH 250W MH 400MH 400W MH Pulse Start 175PM 175W MH 250PM 250W MH 320PM 320W MH 350PM 350W MH 400PM 400W MH Energy Saving 25LMH 250W MH 40LMH 400W MH Pulse Start, Energy Saving 25LPM 250W MH 35LPM 350W MH 40LPM 400W MH Pulse Start, Linear Reactor 35EPM¹ 350W MH 40EPM¹ 400W MH 1 Available in 277 volt only | 12 120V 20 208V 24 240V 27 277V 34 347V | DEL Delphic glass refractor ELE Electra glass refractor DEL Delphic®  ELE Electra®  |

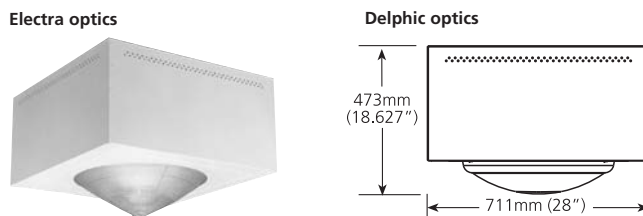
TG/TF | Troffer Grid/Flange Mount



Maximum Weight: Recessed - 27 kg. (60 lbs.)
36 kg. (80 lbs.)



TS | Surface Mount



Maximum Weight: Recessed - 27 kg. (60 lbs.)
36 kg. (80 lbs.)



**ARCHITECTURAL
INDOOR
RECESSED**

CrystalGlo®



Delphic Optics



Electra Optics

F1

5

OPTIONS

- F1¹** Single fuse assembly
- F2²** Double fuse assembly
- EM³** Standby lighting fixture
- ER⁴** Emergency lighting fixture, less relay
- WGD** Wire guard door

1 For 120, 240, 277 and 347V
 2 For 208 and 240V
 3 Uses a D.C. 250W max. bayonet base, tungsten halogen lamp (included) to provide standby lighting. Includes internal relay to switch quartz lamp when temporary power failure extinguishes HID lamp. (Not available with 35EPM or 40EPM)
 4 Appropriate tungsten halogen lamp supplied with fixture

TGWG

6

ACCESSORIES (SHIPS SEPARATELY)

- TGWG** Wire guard
- TELE** Replacement door with Electra optics
- TDEL** Replacement door with Delphic optics
- TELEWGD** Replacement wire guard door with Electra optics
- TDELWGD** Replacement wire guard door with Delphic optics

HOLOPHANE®

RECESSED Mirrolume®

M2G | M2S | M2F

The Mirrolume luminaire is a 2' x 2' recessed or surface mounted luminaire with a flat lens for commercial, retail, industrial, school or institutional applications. The lens is available in either glass or plastic. A specular reflector provides up to 20% more light output than the conventional flat lensed fixtures. Energy savings up to 20% can be expected when the Mirrolume fixture is compared to conventional 2' x 2' market offerings. Holophane's potted ballast provides good thermal dissipation and sound absorption, for long life and quiet operation.

FEATURES:

- Specular reflector for outstanding efficiencies
- Task or spread light distributions
- Impact resistant lens option
- Energy efficient, long life potted ballast

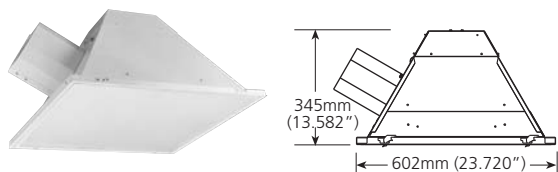
Example: M2G Q 70DMH 12 73 S F1 M2T73



How to Construct a Catalog Number

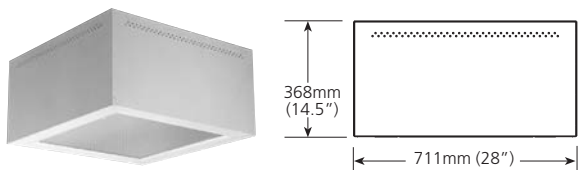
| M2G | Q | 70DMH | 12 | 73 |
|---|---|---|--|--|
| 1 | 2 | 3 | 4 | 5 |
| LUMINAIRE | DOOR TYPE | SOURCE AND WATTAGE | VOLTAGE | OPTICS |
| M2G Troffer Grid M2S Surface Mount M2F Troffer Flanged 1 CUL listed damp location, 25°C ambient | I ¹ Static, no reveal flat steel door with polycarbonate shield Q Static, no reveal regressed aluminum door T Static, no reveal flat steel door 1 Not available with 8227 lens | METAL HALIDE 70DMH 70W MH 10DMH 100W MH 15DMH 150W MH 175MH 175W MH 250MH 250W MH 400MH 400W MH Pulse Start 175PM 175W MH 250PM 250W MH 320PM 320W MH 350PM 350W MH 400PM 400W MH Energy Saving 25LMH 250W MH 40LMH 400W MH Pulse Start, Energy Saving 25LPM 250W MH 35LPM 350W MH 40LPM 400W MH Pulse Start, Linear Reactor 35EPM ¹ 350W MH 40EPM ¹ 400W MH 1 Available in 277 volt only | 12 120V 20 208V 24 240V 27 277V 34 347V | 73 Corning 73 glass lens 82 8227 lens with tempered glass |

M2G/M2F | Grid/Flange Mount



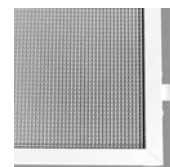
Maximum Weight: 20 kg. (45 lbs.)

M2S | Surface Mount



Maximum Weight: 22 kg. (48 lbs.)

73 | Corning Glass Lens



Type "T" Door

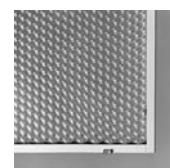


Type "Q" Door

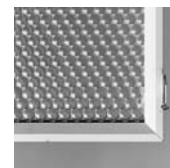


Type "I" Door

82 | 8227 Refractive Grid® Lens



Type "T" Door

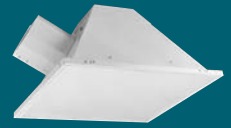


Type "Q" Door



**ARCHITECTURAL
INDOOR
RECESSED**

Mirrolume®



Recessed



Surface Mount

**S
6**

DISTRIBUTION

- S** Spread beam
- T** Task beam. Not available with surface mount

**F1
7**

OPTIONS

- F1** Single fuse assembly
 - F2** Double fuse assembly
 - EM**³ Standby lighting fixture
 - ER**⁴ Emergency lighting fixture less relay
-
- 1 For 120, 240, 277 and 347V
 - 2 For 208 and 240V
 - 3 Uses a D.C. 250W max. bayonet base, tungsten halogen lamp (included) to provide standby lighting. Includes internal relay to switch quartz lamp when temporary power failure extinguishes HID lamp. (Not available with 35EPM or 40EPM)
 - 4 Appropriate tungsten halogen lamp supplied

**M2T73
8**

ACCESSORIES

- M2T73** "T" replacement door with "73" optics
- M2T82** "T" replacement door with "82" optics
- M2Q73** "Q" replacement door with "73" optics
- M2Q82** "Q" replacement door with "82" optics
- M2I73** "I" replacement door with "73" optics

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

Industrial

Using the latest in optics technology, such as our patent pending ISD SuperGlass®, Holophane customers can enjoy the benefits of superior optical efficiency with exceptional uniformity in a choice of distributions for a wide selection of lamps and wattages.

Holophane's latest offering of electronic ballasts into the medium wattage HID spectrum continues to lead the industry with increased energy saving features. Additionally, proper thermal management not only increases ballast life but also improves luminaire dirt depreciation. Holophane continues to find new ways to reduce installation and maintenance costs by incorporating innovative techniques for mechanical features.

These five core competencies are part of the Holophane culture of continuous improvement and are utilized to provide a superior customer experience by offering the lowest total cost of ownership for our customers.

For more than 100 years, Holophane has made a significant impact in the industrial lighting market. From the first D'Oiler introduced in 1910's, the Prismpack in the 1960's, the Primalume in the 1980's, to the Enduratron™ luminaire today, Holophane has been responsible for many innovations in lighting for industrial applications. We continue into the 21st century with advances in technology that will improve the value of lighting for the future.

- **Innovative, attractive HID and Fluorescent luminaires**
- **Superior high performance glass opticals**
- **Reflector/refractor combinations provide unique lighting solutions with low glare results**
- **Uniform illumination with visual comfort**
- **Energy efficient, low maintenance lighting with long term value**



TYPICAL APPLICATIONS:

- Parking Garages
- Paper Mills
- Power Plants
- Warehouses
- Catwalks
- Food Processing
- Distribution Centers
- Manufacturing
- Assembly Areas
- Damp and Wet Locations
- Storage Areas
- Loading Docks

Industrial

High Bay Lighting

Low Bay Lighting

Demanding Environments

Flexibility and Environmental Responsibility

The variety of Holophane luminaires available and their ability to place the right amount of light where it's needed provide designers ultimate flexibility. By using Holophane fixtures, fewer luminaires or reduced wattage can be used to meet specific lighting requirements.

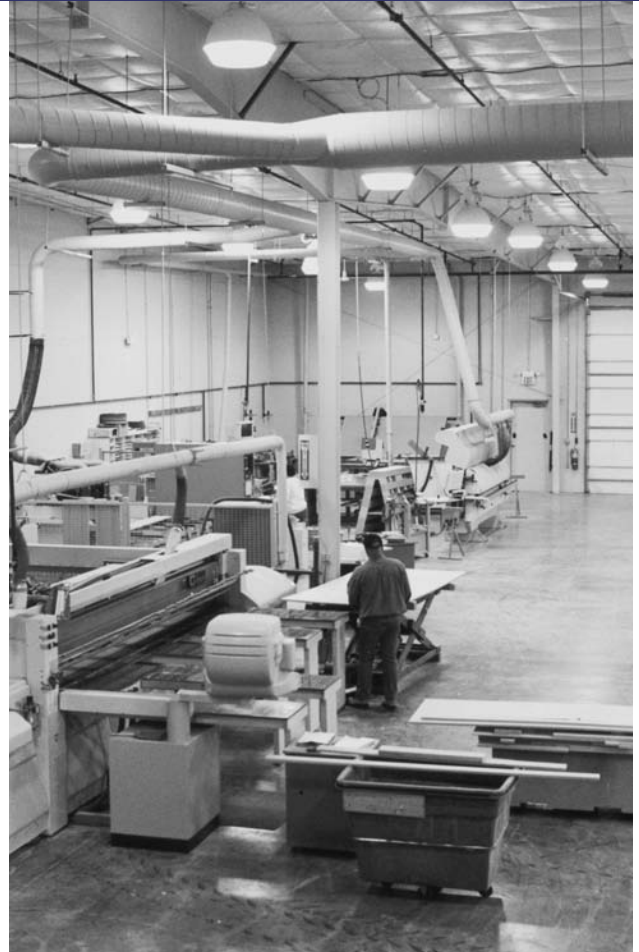
At Holophane, we believe that lighting can be energy efficient and environmentally responsible (sustainable) at the same time. We are strongly committed to the concepts of environmental sustainability and to lighting solutions that are good for people. Sustainable practices reduce pollution and avoid depletion of the earth's finite natural resources.

Many companies find that becoming 'Green' (sustainable) is often detrimental to their bottom line, but by utilizing Holophane solutions that lower the total cost of ownership in either new construction or relighting applications, your bottom line as well as your company's environment will remain 'Green' for many years to come.

Glass for Permanence, Performance







Holophane realizes that it's not appropriate to incorporate glass as a luminaire component in all industrial applications, but for applications where heat, industrial fumes, dirt and moisture are prevalent, it is only natural to consider glass as the basic ingredient for an industrial reflector. Glass is one of the most permanent materials known as deterioration of glass is rarely a problem even with atmospheric contaminants in the air. Endural® glass has long been the hallmark of Holophane's comprehensive luminaire product line, providing precise control of the quantity, quality and direction of light for optimum performance. Holophane glass prisms act either as reflectors to bounce light rays to predetermined directions or as refractors to bend the light in a prescribed manner.

High quality glass luminaires not only perform better but they last longer and require less maintenance. Holophane's borosilicate optical glass systems never become discolored and resist attracting dust since glass is electrically inert. Studies confirm that luminaire dirt depreciation is about 8 percent less for Holophane glass luminaires than for those designed with plastic or aluminum reflectors.



Industrial

HIGH BAY

| | | |
|--|---|---|
| <p>ENDURATRON Page 42</p>  <p>ED</p> | <p>PRISMALUME Page 44</p>  <p>PRSL PS</p> | <p>PRISMALUME ENCLOSED Page 48</p>  <p>PE</p> |
| <p>TWIN SERIES Page 58</p>  <p>TW Glass TW Glass with aluminum cover</p> | <p>PGRB Page 72</p>  <p>PGRB</p> | <p>PRISMPACK V Page 60</p>  <p>PPSK PV</p> |

LOW BAY

| | |
|---|--|
| <p>LOW PROFILE SERIES Page 82</p>  <p>Low Profile CentaGlo Low Profile Enduralume Low Profile PrismPack Low Profile Prismalume</p> | <p>BANTAM 2000 Page 86</p>  <p>Bantam 2000 Enduralume Bantam 2000 Prismalume</p> |
|---|--|

DEMANDING ENVIRONMENTS: Food Processing

| | | | | |
|---|---|---|--|---|
| <p>VANTAGE SERIES Page 94</p>  <p>VA, VH VK</p> | <p>VANTAGE ALT Page 96</p>  <p>AT</p> | <p>VANTAGE MINI Page 98</p>  <p>VC VU, VZ</p> | <p>VANTAGE RTT Page 100</p>  <p>RTT</p> | <p>VANTAGE XT Page 102</p>  <p>XT</p> |
|---|---|---|--|---|

Product Selection Matrix

PRISMALUME ENCLOSED Page 52



EP



EGH

RE LUMINAIRE Page 56



RE Glass



Glass with aluminum cover

PRISMPACK ENCLOSED Page 64, 68



KE



EK



EGN

CENTAGLO Page 74



CG

INDOOR REFRACTOPAK Page 76



IR

CRANELITE Page 78



CRAN

LOBAY V Page 88



LY

ENDURALUME V Page 90



EN



Bantam 2000 Prismpack



Bantam 2000 Prismatic

Hazardous

PETROLUX Page 106



PETL

PETROLUME Page 108



PETM

Wet Locations

PETROLUX II Page 110

PTA



541



625

Page 110

PTB



521



526

INDUSTRIAL

High Bay Lighting

When designing lighting for an industrial facility, there are many considerations to contend with. The amount of light needed, the location of the fixtures, uniformity ratios, up light, brightness, horizontal and vertical illumination levels, and glare are some of the considerations that insure quality lighting for safety, visibility and maximum productivity. The Holophane family of High Bay, energy efficient luminaires will successfully meet your application needs.

- **Quality performance**
- **Low maintenance design**
- **Improved visual acuity**
- **Cut energy while brightening environment**
- **Exceptional vertical and horizontal illumination**
- **Minimal direct and reflected glare**



Prismatic Lighting Provides Pleasing Atmosphere:

Aluminum Shapes, LLC; Delair, New Jersey

Providing workers with good lighting was a primary objective at Aluminum Shapes, LCC, when the company added a 75,000-square-foot expansion onto its half-million square-foot manufacturing facility in Delair, New Jersey. The plant is an aluminum extrusion operation, producing structural members for trailers and frames for windows and doors.

The lighting system installed in the addition, where most of the tasks are horizontal, is Prispac® V fixtures with 400 watt metal halide lamps. According to Al Willis, Aluminum Shapes plant engineer, the main manufacturing area was originally lighted with Holophane fixtures using high pressure sodium lamps. These fixtures are presently being retrofit with metal halide lamps.

"We decided to make the change to metal halide lamps because the light is whiter and provides a more pleasing atmosphere. Color rendering was also a factor because of our various shades of anodized product. The Prispac V units promote safety and a good mental attitude among employees," said Willis. "Employees have indicated they are pleased with the lighting."

Lighting solutions...

The High Bay Lighting product line offers numerous solutions to meet today's demanding environments and requirements.

Holophane High Bay fixtures are used in athletic facilities, parking garages, power plants, warehouses, distribution centers, assembly areas, manufacturing areas, post offices and various other industrial and commercial applications.

Whether your environment is clean or dirty, or you want up light or down light, Holophane has the best product to meet your needs.



Sports Complex Gains Versatility with Prismatic Lighting:

Franklin & Marshall College; Lancaster, Pennsylvania

The new 60,000 square foot field house, part of the Athletic and Recreation Complex at Franklin & Marshall College in Lancaster, Pennsylvania, is a showcase that is helping attract students to the college.

To provide continuity in design, Primalume® luminaires are used in the sports complex, lobbies, main entrance and natatorium. In the natatorium, with its Olympic-size 80-meter pool, fixtures are cable-mounted at 34 feet, spaced 16' x 32'. Lamps used are 1,000 watt metal halide, providing 100 footcandles for competition, and 50 footcandles for recreational use. "In lighting the natatorium, we wanted to assure we did not have the dreary atmosphere that is common to many indoor pools," said Steve Valeriano, electrical engineer and principal of Consolidated Engineers, West Lawn, Pennsylvania. "The goal was to have a bright area with a bright ceiling, but no glare or reflection. Because Franklin & Marshall is one of the top schools in swimming, officials hope to hold national meets here, which necessitates the higher illumination levels." A focal point in the room is a large skylight above the middle of the pool that also runs the pool's length. At night, the skylight is illuminated with indirect shoe-box type fixtures mounted upside down on a catwalk. Above the bleacher area, Primalume unites with 250 watt super metal halide lamps are utilized.



Lighting Promotes Accuracy: **Cardinal Glass; Fremont, Indiana**

Job accuracy was the main consideration when Cardinal Glass illuminated its new 150,000-square-foot plant in Fremont, Indiana. The facility purchases plate glass, cuts it to customer specifications, tempers and assembles the glass into thermal panes for shipment to major window manufacturers.

Because of the precise tasks involved, design-build contractor Bill Geiger, president, Clear Lake Electric, Inc., Fremont, designed the lighting system for the specific jobs performed. "We considered first the building layout and the location of the production equipment, then we positioned the light fixtures to supply maximum visibility," said Geiger. "The goal was to provide as uniformly lit environment as possible for employees working within the various areas."

Geiger indicated the glass luminaires are arranged in a uniform checkerboard pattern—rather than a grid—to place the light precisely where it is needed. This unique pattern also reduced the number of fixtures required by about eight percent as compared to a more conventional grid pattern. In particularly high production areas, luminaires are located more closely together to boost light levels.

"The Primalume® luminaires provide a glow that would not have been possible with fluorescent fixtures that supply 100 percent downlight. The illumination is very even because nearly half of the light is reflected off the ceiling," Geiger said.

"We feel the Holophane systems are high quality and have met our specific requirements in each area," said Geiger. "Perhaps the best testimony of the project's success is the fact that Holophane luminaires have been installed in two additional Cardinal Glass manufacturing facilities. When representatives from the other locations saw how bright and clean the Fremont plant appeared, they wanted the same fixtures installed at their facilities."

HOLOPHANE®

Machinery and other manufacturing equipment along with the surrounding area all interact with the worker's ability to see and produce products efficiently, safely and to exacting standards. The value provided by Enduratron reflectors is the result of a precise combination of horizontal and vertical footcandles. This results in a uniformly lit area utilizing a small quantity of fixtures.

HIGH BAY LIGHTING Enduratron® Electronic HID Ballast ED

FEATURES:

- ISD SuperGlass® reflectors
- Full range dimming capability
- Improved lamp lumen depreciation
- Increased lamp light output
- Fewer fixtures required
- Daylight Harvesting™ capabilities
- UL/CUL Listed 40°C, damp location

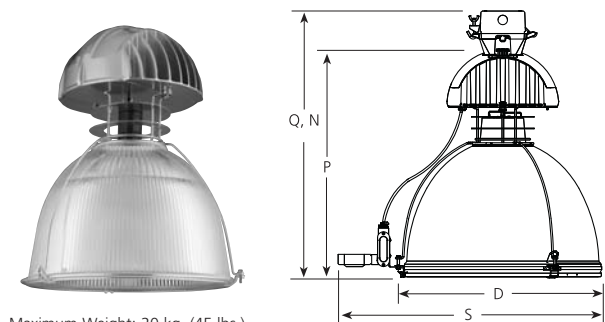
Example: ED 32PME V N G O W N D 0277



How to Construct a Catalog Number:

| ED | 32PME | V | N | G |
|---------------|--|---------------------------------|--------------------|---|
| 1 | 2 | 3 | 4 | 5 |
| LUMINAIRE | SOURCE AND WATTAGE | VOLTAGE | OPTICS | OPTICAL MOUNTING |
| ED Enduratron | ELECTRONIC PULSE 32PME ^{1,2} 320W MH 32PPE ¹ 320W MH, protected 35PME ^{1,2} 350W MH 35PPE ¹ 350W MH, protected 40PME ^{1,2} 400W MH 40PPE ¹ 400W MH, protected 1 Standard mogul base lamps not compatible. Must use open rated lamps only 2 Not available with "Q" | V 208, 240, 277 Auto sensing | N Narrow W Wide | C Aluminum cover with rods and rings G Optical with rod and rings (no cover) |

ED | Enduratron



| Optics | Reflector | D mm (in.) | P mm (in.) | Q, N mm (in.) | S mm (in.) |
|--------|-----------|---------------|---------------|------------------|---------------|
| 11 | ED11 | 480 (18.90) | 591 (23.25) | 683 (27.0) | 660 (26.0) |
| 12 | ED12 | 590 (23.25) | 651 (25.62) | 762 (30.0) | 768 (30.23) |



**INDUSTRIAL
HIGH BAY LIGHTING**

Enduratron®



| O 6 | W 7 | N 8 | D 9 | 0277 10 |
|--|---|--|-----------|-------------|
| OPTICAL CONFIGURATION | FINISHES | MOUNTING | OPTIONS | ACCESSORIES |
| E Enclosed O Open | K Black paint L Silver metallic W White paint | A Holoflex, 6' cord drop N Non-disconnect, thru wiring P Pendant Q ¹ Quick disconnect S Holoflex II, 5' cord drop | See below | See below |
| ¹ Attach as option to the electrical assembly | | | | |

9 Options (Factory installed)

| | |
|--|---|
| CD-X-PT ¹ | Cord only. Insert 3', 4', 5' or 6' length for "X" |
| Individually Sensored High Bay | |
| A | Dimming with 360° occupancy sensor |
| NEMA 3' 3 conductor cord and plug | |
| CDP-L6-15-X-PT ^{1,2} | 208/240V |
| CDP-L7-15-X-PT ^{1,2} | 277V |
| D | Dimming with terminal block |
| EM | Standby lighting fixture |
| ER | Emergency remote |
| F1 | Single fuse assembly |
| F2 | Double fuse assembly |
| H | HALT® Automatic lamp time-out |
| HFV | Holoflex® flexible wiring system |
| HK | One safety hook, (.75") male |
| PF-105-PT | Cast malleable iron loop assembly, (.75") male |
| PF-121-PT | Cast malleable iron safety hook assembly, (.75") male |
| PHCB-PT | Power hook for 208, 240 and 277V |
| Safety Chains | |
| C1 | 10' Safety chain |
| C2 | 3' Safety chain |
| C6 | 6' Safety chain |

See page 113-118 for definitions

¹ Attach as an option to the electrical assembly

² Order PF also. X=length of cord in feet. 3' is standard

10 Accessories (Ships separately)

Wire Guards

| | |
|-------------------|---------------------------------|
| 0277 ¹ | Wire guard relamp door |
| 09267 | Enclosed 6611 optic |
| 09268 | Enclosed 6612 optic |
| 09269 | Open 6611 optic |
| 09270 | Open 6612 optic |
| 09274 | Rods and rings, open 6611 optic |
| 09275 | Rods and rings, open 6612 optic |

Hooks

| | |
|---------|--|
| LOOP456 | Loop, (.75") DN20NPT male |
| HOOK455 | Safety hook, (.75") DN20NPT male |
| PF-105B | Cast malleable iron loop assembly, (.75") male |
| PF-121A | Cast malleable iron loop assembly, (.75") male |
| Lamp | Appropriate lamp shipped |

Safety Chains

| | |
|---------------|---|
| ILCHAIN3 | 3' of safety chain |
| ILCHAIN6 | 6' of safety chain |
| ILCHAIN10 | 10' of safety chain |
| UPH-35-XXX-WH | Thru-way for 120, 208, 240, 277, 347V. Insert voltage for "XXX" |
| UPH-36-XXX-WH | Pendant for 120, 208, 240, 277, 347V. Insert voltage for "XXX" |

See page 113-118 for definitions

¹ For use with 09269 or 09270

Contact your local sales rep for the most current option and accessory compatibility.

HOLOPHANE®

HIGH BAY LIGHTING Prismalume®

PRSL | PS

Prismalume luminaires are the perfect fixtures for a variety of heavy-duty high bay applications including industrial, commercial and educational facilities. They are available in a choice of 8 glass reflectors, efficiently controlling light for exceptional visibility. Available in a wide range of HID lamps and ballasts, these luminaires deliver required lighting levels in a very energy efficient manner.

When you choose the Prismalume with an upright component, you will be getting a fixture that minimizes light lumen depreciation due to inherent properties of the prismatic glass reflectors.


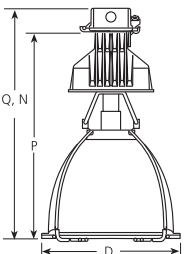

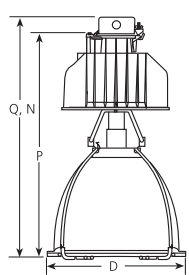
FEATURES:

- ISD SuperGlass® reflectors
- Choice of factory set distributions
- Thermal shock and corrosion resistant prismatic glass reflectors
- Thermoset white polyester powder paint
- Die cast aluminum ballast housing
- UL/CUL listed 55°C, damp location



Example: PRSL 250HP 12 Q L11 F1 PF-291

How to Construct a Catalog Number:

| PRSL | | 250HP | | 12 | |
|---|---|--|-------------------------------|--|---------------------------|
| LUMINAIRE | | SOURCE AND WATTAGE | | VOLTAGE | |
| PRSL | Prismalume, 150 - 400 watt | PRSL-Prismalume | | 08¹ | 208V |
| PS | Prismalume, 750 - 1000 watt | HIGH PRESSURE SODIUM | | 40¹ | 240V |
| PRSL Prismalume | | 15AHP | 150W/55V HPS | 12 | 120V |
|  |  | 250HP | 250W HPS | 20 | 208V |
| Maximum Weight: 24 kg. (53 lbs.) | | 400HP | 400W HPS | 24 | 240V |
| Optics | Reflector | D | P | Q, N | 27 |
| | | mm (in.) | mm (in.) | mm (in.) | 277V |
| 11 | PRSL11 | 480 (18.90) | 700 (27.50) | 760 (29.90) | 34² |
| 12 | PRSL12 | 590 (23.30) | 750 (29.60) | 815 (32.00) | 48 |
| PS Large Prismalume | | Energy Saving | | Multi-voltage | |
|  |  | 25LHP | 250W HPS | MA | Prewired for 120V |
| Maximum Weight: 37 kg. (81 lbs.) | | 40LHP | 400W HPS | MB | Prewired for 208V |
| Optics | Reflector | D | P | MC | Prewired for 240V |
| | | mm (in.) | mm (in.) | MD | Prewired for 277V |
| 11 | PRSL11 | 480 (18.90) | 835 (32.90) | MT | Multi-voltage |
| 12 | PRSL12 | 590 (23.3) | 890 (35.00) | VT | Vari-tap (120, 277, 347V) |
| | | METAL HALIDE | | 1 Isolated secondary. CUL. NA with 25LHP, 40LHP, 40LMH, 40LPM, handled through TSG | |
| | | 175MP¹ | 175W MH, protected | 2 Not available with 750HP | |
| | | 250MP¹ | 250W MH, protected | | |
| | | 400MP¹ | 400W MH, protected | | |
| | | 400MH | 400W MH | | |
| | | Energy Saving | | | |
| | | 25LMP¹ | 250W MH, protected | | |
| | | 40LMH | 400W MH | | |
| | | 40LMP | 400W MH protected | | |
| | | PULSE START METAL HALIDE | | | |
| | | 250PP¹ | 250W MH, protected | | |
| | | 320PP¹ | 320W MH, protected | | |
| | | 350PP¹ | 350W MH, protected | | |
| | | 400PP¹ | 400W MH, protected | | |
| | | Energy Saving | | | |
| | | 25LPP¹ | 250W MH, protected | | |
| | | 35LPP | 350W MH, protected | | |
| | | 40LPP | 400W MH, protected | | |
| | | PS-Large Prismalume | | | |
| | | HIGH PRESSURE SODIUM | | | |
| | | 750HP¹ | 750W HPS | | |
| | | C10HP | 1000W HPS | | |
| | | CP1HP | 1000W HPS, compact | | |
| | | METAL HALIDE | | | |
| | | 40RMH¹ | 400W MH, mag. reg. | | |
| | | 40RMP² | 400W MH, mag. reg., protected | | |
| | | C10MP | 1000W MH protected | | |
| | | 1 These fixtures use sockets that accept open fixture rated lamps only. Standard mogul base lamps are not compatible | | | |
| | | 2 Not available with multi-voltage or multi-tap | | | |



**INDUSTRIAL
HIGH BAY LIGHTING**

Prismalume®



Prismalume PRSL



Prismalume PS

**Q
4**

MOUNTING

- P** Pendant mount for .75" NPT conduit
- Q¹** Quick disconnect power hangar
- N²** No quick disconnect power hangar

1 Not available with "CDP", "PCHB", or "PF"
 2 "CP1HP" available with "N" mounting without through wiring

**L11
5**

OPTICS

See chart below

**F1
6**

OPTIONS

See page 46

**PF-291
7**

ACCESSORIES

See page 47

5 ISD SuperGlass® Optics

Light Distributions

| Spacing to Mtg. Ht. Ratio | Lamp Source and Wattage | | | | | |
|---------------------------|-------------------------|------|------|------|--------|-------|
| | High Pressure Sodium | | | | | |
| | 150W | 250W | 400W | 750W | CP10HP | C10HP |
| 0 - 1.2 | | L12 | I12 | W12 | H12 | F12 |
| 1.2 - 2.2 | Q11 | L11 | I11 | W11 | H11 | F11 |
| Spacing to Mtg. Ht. Ratio | Metal Halide | | | | | |
| | 175W | 250W | 320W | 400W | C10MP | |
| | 0 - 1.2 | Q12 | Q12 | Q12 | H12 | Y12 |
| 1.2 - 2.2 | Q11 | Q11 | Q11 | H11 | Y11 | |

HIGH BAY LIGHTING

Prismalume® – Options and Accessories

PRSL | PS



6 Options (Factory installed)

| | |
|--|---|
| 08214-X | Chain, X = length, insert 3', 6' or 10' for "X", (3' is standard) |
| 65¹ | 65°C ambient |
| CD-X² | Cord only. X = length, insert 3', 4', 5' or 6' for "X" |
| EM³ | Standby lighting fixture uses a D.C. bayonet base, 250W (max.) tungsten halogen lamp (included) NA with 750HP with 277 or 480V |
| ER⁴ | Emergency lighting fixture less relay for use with 120 volt external power source to operate a D.C. 250W (max.) bayonet base tungsten halogen |
| F1 | Single fuse assembly, "MT" and "VT" handled through TSG |
| F2 | Double fuse assembly, "MT" and "VT" handled through TSG |
| H | HALT® Automatic lamp time-out |
| HFW | Holoflex® flexible wiring system, handled through TSG |
| HK | Safety hook, (.75") DN20NPT male, available with "P" or "N" mounting only |
| NEMA 3' 3 conductor cord and plug | |
| CDP-L5-15-X | 120V, (order "PF" also) (X=No. of feet. 3 feet is standard) |
| CDP-L6-15-X | 208/240V, (order "PF" also) (X=No. of feet. 3 feet is standard) |
| CDP-L7-15-X | 277V, (order "PF" also) (X=No. of feet. 3 feet is standard) |
| CDP-L24-20-X | 347V, (order "PF" also) (X=No. of feet. 3 feet is standard) |
| CDP-L8-20-X | 480V, (order "PF" also) (X=No. of feet. 3 feet is standard) |
| Individually Sensored High Bay | |
| 15A^{5,7} | Aisle-way sensor |
| 15R^{5,7} | 360° round sensor |
| LP | Loop, (.75") male, available with "P" or "N" mount only |
| PF-121 | Hook, (.75") male, available with "P" or "N" mount only |
| PF-129 | Antirotational hook, male, available with "P" or "N" mount only |
| PF-291 | Universal gasketed hook assembly, male |
| PS | HPS protected starter, HPS units only, not available with 750HP |
| PHCB | Power-hook cord, not available with "EM", "ER" or "Q" |
| PHCB-L8-480 | Power-hook cord for 480V, not available with "EM", "ER" or "Q" |
| TD^{6,7} | Standby lighting fixture with time delay |
| S7 | Single for electrical ship level |

See page 113-118 for definitions

- 1 Available with 40LHP, 40LMH, 40LMP, 40LPP, 40LPM, C10HP, C10MH and C10MP only
- 2 Order "PF" also. For length longer than 6' handle through TSG. Not available with "MT"
- 3 Not available with 750HP in "27" and "48" voltage
- 4 "CD", "CDP" and "PHCB" handled through TSG
- 5 Available with "P" mounting only, not available with "H" or 65°C
- 6 Not available with "EM" or "ER", only 40°C ambient
- 7 Available with PRSL only



**INDUSTRIAL
HIGH BAY LIGHTING**

Prismalume®

OPTIONS AND
ACCESSORIES



Prismalume PRSL



Prismalume PS

7 Accessories (Ships separately)

| | |
|-----------------|---|
| LAMP | Appropriate HID lamp supplied |
| LOOP456 | Loop, (.75") DN20NPT male |
| HOOK455 | Safety hook, (.75") DN20NPT male |
| PF-116-A | Loop, (.75") DN20NPT female |
| PF-122-A | Safety hook, (.75") DN20NPT female |
| PF-129-A | Anti-rotational hook, (.75") DN20NPT male |
| PF-291 | Universal gasketed hook assembly, male |

Replacement Protected Starters

| | |
|----------------------------|-------------------------|
| PS-55 | For 15AHP and below |
| PS-100 | For 200HP through 400HP |
| PS-1000¹ | For 1000HP |

Power Hooks

| | |
|--------------------------------|--|
| UPH-35-XXX-WH | Thru-way for 120, 208, 240, 277, MA, MB, MC, MD, 347V; not available with "ER", insert voltage for XXX |
| UPH-35-L8-480-WH | Thru-way for 480V; not available with "ER", insert voltage for XXX |
| UPH-36-XXX-WH | Pendant for 120, 208, 240, 277, MA, MB, MC, MD, 347V; not available with "ER", insert voltage for XXX |
| UPH-36-L8-480-WH (480V) | Pendant for 480V; not available with "ER", insert voltage for XXX |

Wire Guards

| | |
|--------------|--------------------------|
| 09274 | For use with 6611 optics |
| 09275 | For use with 6612 optics |

See page 113-118 for definitions

¹ Not available with "08" or "40"

Contact your local sales rep for the most current option and accessory compatibility.

HOLOPHANE®

HIGH BAY LIGHTING Prismalume® Enclosed

PE

The Prismalume Enclosed luminaires are perfect for a variety of applications where an enclosed fixture is essential. Chemical plants, textile mills, processing plants and retail environments are just a few of the applications where the fixtures excel.

With 9 enclosed optics to choose from, the Prismalume fixtures offer a variety of light distributions from multiple lamp options. The latching system allows for tool-free access to the lamp and the gasketed husk reduces the opportunity of bugs and dirt to enter the optic.

When you choose the Prismalume with an uplight component, you will be getting a fixture that minimizes light lumen depreciation due to the inherent properties of the prismatic glass reflectors.

FEATURES:

- ISD SuperGlass® reflectors
- Choice of factory set distributions
- Choice of tempered bottom closures
- Die cast aluminum housing
- Corrosion resistant finish
- UL/CUL listed 55°C, damp location (65°C optional)



Example: PE 250MH 12 Q N Q11 F1 PF-291

How to Construct a Catalog Number:

| PE | 250MH | 12 | Q | | | | | | | | | | | | | | | | |
|---|--------------------|-------------|-------------|---|--------|----------|----------|----------|------|-------------|-------------|-------------|------|-------------|-------------|-------------|---|--|--|
| 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | |
| LUMINAIRE | SOURCE AND WATTAGE | VOLTAGE | MOUNTING | | | | | | | | | | | | | | | | |
| <p>PE Prismalume Enclosed, 150-400 watt integral ballast, UL/CUL, 55° damp location</p> <p>PE Prismalume Enclosed</p> <p>Maximum Weight: 25 kg. (55 lbs.)</p> <table border="1"> <thead> <tr> <th></th> <th>D</th> <th>Q, N</th> <th>P</th> </tr> <tr> <th>Optics</th> <th>mm (in.)</th> <th>mm (in.)</th> <th>mm (in.)</th> </tr> </thead> <tbody> <tr> <td>PE11</td> <td>480 (18.90)</td> <td>760 (29.90)</td> <td>700 (27.50)</td> </tr> <tr> <td>PE12</td> <td>590 (23.25)</td> <td>815 (32.00)</td> <td>750 (29.60)</td> </tr> </tbody> </table> | | D | Q, N | P | Optics | mm (in.) | mm (in.) | mm (in.) | PE11 | 480 (18.90) | 760 (29.90) | 700 (27.50) | PE12 | 590 (23.25) | 815 (32.00) | 750 (29.60) | <p>HIGH PRESSURE SODIUM</p> <p>15AHP 150W/55V HPS 250HP 250W HPS 400HP 400W HPS</p> <p>Energy Saving</p> <p>25LHP 250W HPS 40LHP 400W HPS</p> <p>METAL HALIDE</p> <p>175MH 175W MH 250MH 250W MH 400MH 400W MH</p> <p>Energy Saving</p> <p>25LMH 250W MH 40LMH 400W MH</p> <p>PULSE START METAL HALIDE</p> <p>250PM 250W MH 320PM 320W MH</p> <p>Energy Saving</p> <p>25LPM 250W MH 350PM 350W MH 35LPM 350W MH 400PM 400W MH 40LPM 400W MH</p> | <p>08¹ 208V 40¹ 240V 12 120V 20 208V 24 240V 27 277V 34 347V 48 480V</p> <p>Multi-voltage</p> <p>MA Prewired for 120V MB Prewired for 208V MC Prewired for 240V MD Prewired for 277V MT Multi-voltage VT² Vari-tap</p> <p>1 Isolated secondary. CUL. Only available with 15AHP, 250JP, 400HP, 175MH, 250MH and 400MH, all others handled through TSG</p> <p>2 Available with 250HP, 400HP, 250MH, 250PM, 25LPM, 320PM, 350PM, 35LPM and 400MH only</p> | <p>Standard</p> <p>P Pendant mount for .75" NPT conduit Q Quick disconnect power hangar N No quick disconnect power hangar</p> <p>Steel Hooks</p> <p>A^{1,3} Steel hook, Holoflex® "L" cord drop C^{2,3} Steel hook and cord E^{1,3} Steel hook, Holoflex® "T" cord drop H^{2,3} NEMA plug, NA with F2 S^{1,3} Steel hook and Holoflex II and selectable cord drop</p> <p>Cast Hooks</p> <p>B^{1,3} PF-121 cast hook and Holoflex "L" cord drop F⁴ PF-121 cast hook and Holoflex "T" cord drop T^{1,3} PF-121 cast hook and Holoflex II and selectable cord drop</p> <p>1 Available with 12, 20, 27, MA, MB, MD and VT voltages. 24V only available through TSG. Not available with F2</p> <p>2 Standard length is 3' and 6', other lengths available through TSG. Not available with F2</p> <p>3 "CD", "CDP", and "PHCB" handled through TSG</p> <p>4 Must be handled through TSG</p> |
| | D | Q, N | P | | | | | | | | | | | | | | | | |
| Optics | mm (in.) | mm (in.) | mm (in.) | | | | | | | | | | | | | | | | |
| PE11 | 480 (18.90) | 760 (29.90) | 700 (27.50) | | | | | | | | | | | | | | | | |
| PE12 | 590 (23.25) | 815 (32.00) | 750 (29.60) | | | | | | | | | | | | | | | | |



**INDUSTRIAL
HIGH BAY LIGHTING**

Prismalume®
Enclosed



6611 Optics

N

5

CORD LENGTH

- F1** 1.5mm (5') cord
- N2** None
- R3** .91m (3') cord
- S3** 1.8mm (6') cord
- T4** 3m (10') cord

- 1 Available with S and T mounting only
- 2 Must be used with P, Q or N mountings only
- 3 NA with P, Q, N, S or T mountings
- 4 NA with P, Q, or N mountings. Available with C mounting through TSG only

Q11

6

OPTICS

See chart below

F1

7

OPTIONS

See page 50

PF-291

8

ACCESSORIES

See page 51

6 ISD SuperGlass® Optics

Light Distributions

| Spacing to Mtg. Ht. Ratio | Lamp Source and Wattage | | | | |
|---------------------------|-------------------------|----------|------|-------|-------|
| | High Pressure Sodium | | | | |
| | 150W | 250-400W | | | |
| 0.7:1 - 1.2:1 | Q12 | S12 | | | |
| 1.2:1 - 2.2:1 | Q11 | S11 | | | |
| Spacing to Mtg. Ht. Ratio | Lamp Source and Wattage | | | | |
| | Metal Halide | | | | |
| | 175-320W | 320PM | 350W | 400PM | 400MH |
| 0.7:1 - 1.2:1 | Q12 | Q12 | Z12 | Z12 | Z12 |
| 1.2:1 - 2.2:1 | Q11 | U11 | Z11 | Z11 | Z11 |

HIGH BAY LIGHTING

Prismalume® Enclosed – Options and Accessories

PE



6 Options (Factory installed)

| | |
|-------------------|---|
| CD-3 ¹ | 3' Cord only |
| CD-6 ¹ | 6' Cord only |
| EM | Standby lighting fixture, not available with 750W PM and 1000W MH |
| ER ² | Emergency lighting fixture less relay for use with 120 volt external power source to operate a D.C. 250W (max.) bayonet base tungsten halogen |
| F1 | Single fuse assembly, not available with "MT" |
| F2 ³ | Double fuse assembly, not available with "MT", "VT", or steel hooks |
| HK | Safety hook, (.75") male |
| LL | Latch lock clips |
| LP | Loop, (.75") male |

NEMA 3' 3 conductor cord and plug

| | |
|---------------------------|--|
| CDP-L5-15-X ⁴ | 120V, order "PF" also, (X = length of chain. 3' is standard) |
| CDP-L6-15-X ⁴ | 208/240V, order "PF" also, (X = length of chain. 3' is standard) |
| CDP-L7-15-X ⁴ | 277V, order "PF" also, (X = length of chain. 3' is standard) |
| CDP-L24-20-X ⁴ | 347V, order "PF" also, (X = length of chain. 3' is standard) |
| CDP-L8-20-X ⁴ | 480V, order "PF" also, (X = length of chain. 3' is standard) |

Safety Chains

| | |
|-----------|-----------|
| PECHAIN3 | 3' chain |
| PECHAIN6 | 6' chain |
| PECHAIN10 | 10' chain |

Hooks

| | |
|-------------|---|
| PF-129 | Antirotational hook, male |
| PF-291 | Universal gasketed hook assembly, male |
| PS | HPS protected starter, HPS units only, available with EP only, not available with 750HP, "08" or "40" |
| PHCB | Power-hook cord, not available with "MT" |
| PHCB-L8-480 | Power-hook cord for 480V, not available with "ER" |

See page 113-118 for definitions

- 1 Not available with "MT"
- 2 Available with "N" and "P" mount, "CD", "CDP", "HFW", and "PHCB" through TSG only
- 3 Voltage 08 and 40 are only available with "Q" mounting
- 4 For length longer than 6' handle through TSG. Not available with "MT"



**INDUSTRIAL
HIGH BAY LIGHTING**

Prismalume®
Enclosed

OPTIONS AND
ACCESSORIES



6611 Optics

7 Accessories (Ships separately)

| | |
|-----------------|---|
| LAMP | Appropriate HID lamp supplied |
| LLC | Latch lock clips |
| LOOP456 | Loop, (.75") DN20NPT male |
| HOOK455 | Safety hook, (.75") DN20NPT male |
| PF-116-A | Loop, (.75") DN20NPT female |
| PF-122-A | Safety hook, (.75") DN20NPT female |
| PF-129-A | Anti-rotational hook, (.75") DN20NPT male |
| PF-291 | Universal gasketed hook assembly, male |

Replacement Protected Starters

| | |
|---------------|---------------------|
| PS-55 | For 15AHP and below |
| PS-100 | For 200HP - 400HP |

Power Hooks

| | |
|---------------------------------------|---|
| UPH-35-XXX-WH^{1,2} | Thru-way for 120, 208, 240, 277, MA, MB, MC, MD, 347V; insert voltage for XXX |
| UPH-35-L8-480-WH² | Thru-way for 480V; insert voltage for XXX |
| UPH-36-XXX-WH^{1,2} | Pendant for 120, 208, 240, 277, MA, MB, MC, MD, 347V; insert voltage for XXX |
| UPH-36-L8-480-WH^{2,3} | Pendant for 480V; insert voltage for XXX |

Safety Chain

| | |
|----------------------|------------------|
| PECHAIN3-ACC | 3' safety chain |
| PECHAIN6-ACC | 6' safety chain |
| PECHAIN10-ACC | 10' safety chain |

Wire Guards

| | |
|--------------|--------------------------|
| 09267 | For use with 6611 optics |
| 09268 | For use with 6612 optics |

See page 113-118 for definitions

- 1 Not available with "MT"
- 2 Not available with "ER"
- 3 Available with "P", "Q" and "N" mounting only

HOLOPHANE®

The Enclosed Primalume luminaires are the perfect luminaire for a variety of applications where an enclosed fixture is essential. Chemical plants, textile mills, processing plants and retail environments are just a few of the applications where the fixtures excel.

With 10 enclosed optics to choose from, the Primalume fixtures offer a variety of light distributions from multiple lamp options. The latching system allows for tool-free access to the lamp and the gasketed husk reduces the opportunity of bugs and dirt to enter the optic.

When you choose the Primalume with an upright component, you will be getting a fixture that minimizes light lumen depreciation due to the inherent properties of the prismatic glass reflectors.

HIGH BAY LIGHTING Primalume® Enclosed

EP | EGH

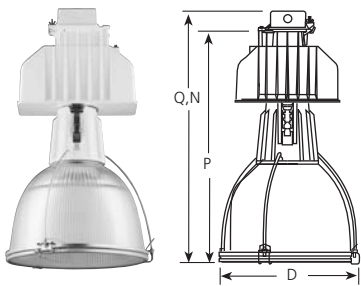
FEATURES:

- ISD SuperGlass® reflectors
- Choice of factory set distributions
- Choice of tempered bottom closures
- Die cast aluminum housing
- Corrosion resistant finish
- UL/CUL listed 55°C, damp location

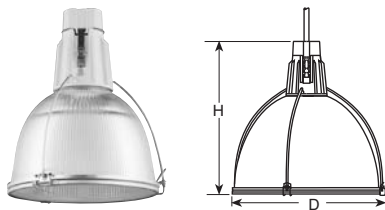
Example: EP 250HP 12 Q W11 F1 PF-291



How to Construct a Catalog Number:

| EP 1 | 250HP 2 | 12 3 | Q 4 | | | | | | | | | | | | | | | | |
|---|--------------------|-------------|-------------|------|--------|----------|----------|----------|------|-------------|-------------|-------------|------|-------------|-------------|-------------|--|--|---|
| LUMINAIRE | SOURCE AND WATTAGE | VOLTAGE | MOUNTING | | | | | | | | | | | | | | | | |
| <p>EP¹ Enclosed Primalume, 750-1000 watt EGH¹ Enclosed Primalume, 250-1000 watt 1 55°C damp location</p> <p>EP Primalume Enclosed</p>  <p>Maximum Weight: 37 kg. (81 lbs.)</p> <table border="1"> <thead> <tr> <th></th> <th style="text-align: center;">D</th> <th style="text-align: center;">P</th> <th style="text-align: center;">Q, N</th> </tr> <tr> <th>Optics</th> <th>mm (in.)</th> <th>mm (in.)</th> <th>mm (in.)</th> </tr> </thead> <tbody> <tr> <td>EP11</td> <td>500 (19.75)</td> <td>711 (28.00)</td> <td>813 (33.00)</td> </tr> <tr> <td>EP12</td> <td>610 (24.00)</td> <td>762 (30.00)</td> <td>864 (34.00)</td> </tr> </tbody> </table> | | D | P | Q, N | Optics | mm (in.) | mm (in.) | mm (in.) | EP11 | 500 (19.75) | 711 (28.00) | 813 (33.00) | EP12 | 610 (24.00) | 762 (30.00) | 864 (34.00) | <p>EGH</p> <p>HIGH PRESSURE SODIUM</p> <p>250HP 250W HPS 400HP 400W HPS</p> <p>Energy Saving</p> <p>25LHP 250W HPS 40LHP 400W HPS</p> <p>METAL HALIDE</p> <p>175MH 175W MH 250MH 250W MH 400MH 400W MH C10MH 1000W MH</p> <p>Energy Saving</p> <p>25LMH 250W MH 40LMH 400W MH</p> <p>EP</p> <p>HIGH PRESSURE SODIUM</p> <p>750HP¹ 750W HPS C10HP 1000W HPS</p> <p>METAL HALIDE</p> <p>40RMH¹ 400W MH, mag. reg C10MH 1000W MH</p> <p>PULSE START METAL HALIDE</p> <p>750PM 750W MH 750PP 750W MH, protected</p> <p>1 NA with "MA", "MB", "MC", "MD", or "MT"</p> | <p>08¹ 208V 40¹ 240V 12 120V 20² 208V 24² 240V 27 277V 34³ 347V 48 480V</p> <p>Multi-voltage</p> <p>MA² Prewired for 120V MB² Prewired for 208V MC² Prewired for 240V MD² Prewired for 277V MT Multi-voltage VT⁴ Vari-tap</p> <p>1 Isolated secondary, CUL. Not available with 40RMH, and 750HP, handled through TSG 2 Available with EP luminaire only 3 Not available with 750HP 4 Available with 750PM only</p> | <p>P Pendant mount for .75" NPT conduit Q¹ Quick disconnect power hangar N^{1,2} No quick disconnect power hangar</p> <p>1 For "EGH" only 2 For CP1HP version, N mounting is without thru-wiring</p> |
| | D | P | Q, N | | | | | | | | | | | | | | | | |
| Optics | mm (in.) | mm (in.) | mm (in.) | | | | | | | | | | | | | | | | |
| EP11 | 500 (19.75) | 711 (28.00) | 813 (33.00) | | | | | | | | | | | | | | | | |
| EP12 | 610 (24.00) | 762 (30.00) | 864 (34.00) | | | | | | | | | | | | | | | | |

EGH | Primalume Enclosed - Remote



Maximum Weight: 17 kg. (37 lbs.)

| | D | H |
|--------|-------------|-------------|
| Optics | mm (in) | mm (in) |
| EGP11 | 500 (19.75) | 560 (22.00) |
| EGP12 | 610 (24.00) | 610 (24.00) |



**INDUSTRIAL
HIGH BAY LIGHTING**

Prismalume®
Enclosed



EP



EGH

W11

5

OPTICS

See chart below

F1

6

OPTIONS

See page 54

PF-291

7

ACCESSORIES

See page 55

5 ISD SuperGlass® Optics

Light Distributions

| Spacing to Mtg. Ht. Ratio | Lamp Source and Wattage | | | | | |
|---------------------------|-------------------------|----------|-------|--------------|----------|-------|
| | High Pressure Sodium | | | Metal Halide | | |
| | 175-250W | 400-750W | 1000W | 175-250W | 400-750W | 1000W |
| EP | | | | | | |
| 0.7:1 - 1.2:1 | W12 | Z12 | A12 | | Z12 | B12 |
| 1.2:1 - 2.2:1 | W11 | Z11 | | | Z11 | |
| EGH | | | | | | |
| 0.7:1 - 1.2:1 | W12 | W12 | A12 | | Z12 | B12 |
| 1.2:1 - 2.2:1 | W11 | W11 | | U11 | Z11 | |

HIGH BAY LIGHTING

Prismalume® Enclosed – Options and Accessories

EP | EGH



6 Options (Factory installed)

| | |
|--|--|
| 65 ¹ | 65°C ambient |
| CD-X ^{2, 3} | Cord only. Insert 3, 4, 5 or 6 for "X", only available with EGH |
| EM | Standby lighting fixture, not available with 1000 watt MH |
| ER ³ | Emergency lighting fixture, "MT" and "VT" handled through TSG |
| F1 | Single fuse assembly, not available with "MT" on the EP version |
| F2 | Double fuse assembly, not available with "MT" on the EP version |
| H | HALT® Automatic lamp time-out, available with MH units only; not available with "MA", "MB", "MC", "MD", "MT" or "VT" |
| HFW | Holoflex® flexible wiring system, available with EP only |
| HK | Safety hook, (.75") male |
| NEMA 3' 3 conductor cord and plug | |
| CDP-L5-15-X ^{2, 3} | 120V, (order "PF" also) (X=No. of feet. 3 feet is standard) |
| CDP-L6-15-X ^{2, 3} | 208/240V, (order "PF" also) (X=No. of feet. 3 feet is standard) |
| CDP-L7-15-X ^{2, 3} | 277V, (order "PF" also) (X=No. of feet. 3 feet is standard) |
| CDP-L24-20-X ^{2, 3} | 347V, (order "PF" also) (X=No. of feet. 3 feet is standard) |
| CDP-L8-20-X ³ | 480V, (order "PF" also) (X=No. of feet. 3 feet is standard) |
| Hooks | |
| LP | Loop, (.75") male |
| PF-121 | Hook, (.75") male, only available with EGH |
| PF-129 | Antirotational hook, male |
| PF-291 | Universal gasketed hook assembly, male, available with EP only |
| PS | HPS protected starter, HPS units only, available with EP only, not available with 750HP, "08" or "40" |
| PHCB | Power-hook cord, available with EP only |
| PHCB-L8-480 | Power-hook cord for 480V, available with EP only |

See page 113-118 for definitions

1 Available with C10HP and C10MH only, not available with "H"

2 Not available with "MT"

3 Available with EP only



**INDUSTRIAL
HIGH BAY LIGHTING**

Prismalume®
Enclosed

OPTIONS AND
ACCESSORIES



EP



EGH

7 Accessories (Ships separately)

| | |
|-------------------------------------|--|
| LAMP | Appropriate HID lamp supplied |
| F1¹ | Single fusing for 12, 27, 34V |
| F2¹ | Double fusing for 08, 40, 48V |
| LOOP456² | Loop, (.75") DN20NPT male |
| HOOK455² | Safety hook, (.75") DN20NPT male |
| PF-116-A² | Loop, (.75") DN20NPT female |
| PF-122-A² | Safety hook, (.75") DN20NPT female |
| PF-129-A² | Anti-rotational hook, (.75") DN20NPT male |
| PF-291² | Universal gasketed hook assembly, male |
| PS-1000² | Replacement protector starter for 1000HP, not available with "08" or "40" voltage |
| Power Hooks | |
| UPH-35-XXX-WH² | Thru-way for 120, 208, 240, 277, MA, MB, MC, MD, 347V; not available with "MT", insert voltage for XXX |
| UPH-35-L8-480-WH² | Thru-way for 480V; insert voltage for XXX |
| UPH-36-XXX-WH² | Pendant for 120, 208, 240, 277, MA, MB, MC, MD, 347V; not available with "MT", insert voltage for XXX |
| UPH-36-L8-480-WH² | Pendant for 480V; insert voltage for XXX |
| Safety Chain | |
| 09162-X | Safety chain, secures optical assembly, "X" - length of chain, 3' is standard |
| Wire Guards | |
| 09267 | For use with 6611 optics |
| 09268 | For use with 6612 optics |

See page 113-118 for definitions

1 Available with EGH only

2 Available with EP only

HOLOPHANE®

The RE Luminaire is the best high bay value available in the industry. The simple, uncluttered, attractive ballast housing utilizes Holophane's superior glass optics for optimum efficiency and photometric stability. The encapsulated Holophane ballast provides long life, quiet operation and a clean, unobtrusive image.

HIGH BAY LIGHTING RE Luminaire RE

FEATURES:

- ISD SuperGlass® reflectors
- Simple, uncluttered, attractive appearance
- Utilizes Holophane's superior glass optics for optimum efficiency and photometric stability
- Encapsulated Holophane ballast for long life and quiet operation
- UL/CUL listed 40°C, damp location

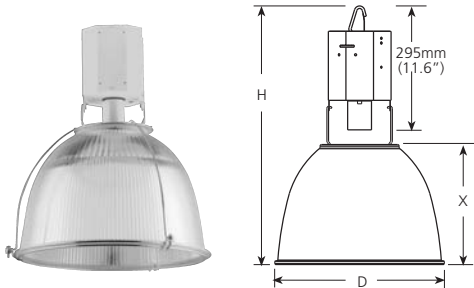


Example: RE 400MP 12 1C H R W ER LAMP

How to Construct a Catalog Number:

| RE | 400MP | 12 | 1C |
|-----------------|--|---|--|
| 1 | 2 | 3 | 4 |
| LUMINAIRE | SOURCE AND WATTAGE | VOLTAGE | DISTRIBUTION/OPTICS |
| RE Re Luminaire | METAL HALIDE 250MP 250W MH, protected 400MP¹ 400W MH, protected PULSE START METAL HALIDE 320PP¹ 320W MH, protected 35EPP^{1,2} 350W MH, protected linear reactor Energy Saving 250PP¹ 250W MH, protected 35LPP¹ 350W MH, protected <i>All luminaires accept open rated lamps, and use mogul base lamps only</i> 1 Open rated lamp only 2 Available with 277V only. Not available with "EM" | 12 120V 20 208V 24 240V 27 277V 34 347V 48 480V Multi-voltage MA Prewired for 120V MB Prewired for 208V MC Prewired for 240V MD Prewired for 277V MT¹ Multi-voltage VT² Vari-tap 1 120, 208, 240, 277V 2 Available with 120, 277 and 347V only | 11 Wide - 6611 12 Narrow - 6612 1C¹ Wide - 6611 2C¹ Narrow - 6612 1R² Wide - 6611 2R² Narrow - 6612 5R² Narrow - 6635 See chart below 1 Glass with spun on aluminum solid cover 2 With compression rod mounting |

RE | RE Luminaire



Maximum Weight : 31 kg. (68 lbs.)

| Optics | Mounting | D mm (in) | H mm (in) | X mm (in) |
|--------|----------|-------------|-------------|-------------|
| 11 | O | 599 (23.60) | 443 (17.50) | 292 (11.50) |
| 11 | R | 599 (23.60) | 480 (18.90) | 292 (11.50) |
| 12 | O | 662 (25.70) | 553 (21.80) | 346 (13.60) |
| 12 | R | 662 (25.70) | 582 (22.90) | 346 (13.60) |

5 ISD SuperGlass® Optics

Light Distributions

| Spacing to Mtg. Ht. Ratio | Lamp Source and Wattage | | |
|------------------------------|-------------------------|---------|-----------|
| | All Lamp Sources | | |
| | Uncovered | Covered | With Rods |
| 0.7:1 - 1.2:1 | 12 | 2C | 2R |
| 1.2:1 - 2.2:1 | 11 | 1C | 1R |



**INDUSTRIAL
HIGH BAY LIGHTING**

RE Luminaire



6611 Optics



6611 Optics with
aluminum cover

| H | R | W | ER | LAMP |
|---|---|----------------|-----------------------------|---------------------------------|
| 5 | 6 | 7 | 8 | 9 |
| MOUNTING/WIRING | FIXTURE CORD LENGTH | FINISH | OPTIONS | ACCESSORIES |
| Standard J ¹ Hook only, cord not supplied M ² Hook with cord only, plug not supplied H ^{2,7} NEMA twist-off plug Hook & Holoflex "L" or T" Cord Drop A ^{3,4} "L" cord drop Z ^{4,5} "L" cord drop G ^{4,6} "L" cord drop E ^{4,8} "T" cord drop Hook & Holoflex II Selectable Cord Drop S ⁹ Selectable cord drop 1 NA with "G", must be used with "N" cord lengths 2 Wired for 277V when ordered with "MT", wired for 347V when ordered with "VT" 3 Wired phase to common, available with 120, 277V. Used with Holoflex Modular Wiring System, dry location only. UL only; available with "MA" and "MD" 4 Not available with "MT" 5 Wired phase to common, available with 120, 277 or 347V CUL only. Used with Holoflex Modular Wiring System, dry location only, available through TSG; available with "MA" and "MD" 6 Wired phase to phase, available with 208, 240 or 480V only. UL only. Used with Holoflex Modular Wiring System, dry location only 7 Suitable for damp locations 8 Available through TSG, dry location only 9 CUL listed dry location only, 240V handled through TSG | R .91mm (3') cord F 1.5mm (5') cord S 1.8mm (6') cord T 3mm (10') cord N No cord | W White | Options See below | Accessories See below |



8 Options (Factory installed)

| | |
|--------------------------|---|
| EM ^{1,2} | Standby lighting fixture. Appropriate tungsten halogen lamp and relay are supplied with fixture |
| ER ^{1,2} | Emergency lighting fixture. Appropriate tungsten halogen lamp and relay are supplied with fixture |
| F1 ³ | Single fuse assembly for 120, 240, 277, 347V |
| F2 ³ | Double fuse assembly for 208, 240, 480V |
| H ⁴ | HALT® Automatic lamp time-out |
| UP | Unit pack |
| Safety Chain | |
| C1 | 10' safety chain |
| C3 | 3' safety chain |
| C6 | 6' safety chain |

See page 113-118 for definitions

- 1 Not available with "35EPP"
- 2 Available with "CD", "CDP" Fusing, "PHCB", Holoflex or UPH through TSG
- 3 Not available with "MT"
- 4 Not available with "EM", "MA", "MB", "MC", "MD", "MT", or "VT"

9 Accessories (Ships separately)

| | |
|-------------|-------------------------------|
| LAMP | Appropriate HID lamp supplied |
|-------------|-------------------------------|

HOLOPHANE®

The Twin Series luminaire is the essence of versatility. Whether you want the upright features of the Prismalume optic or the minimal upright from the Prismpack optic, this low profile luminaire will meet your needs.

Dual switching, multiple lamp types and an array of mounting choices are a few of the options available with the Twin Series. Long lamp life, good color and high light levels are a few of the features that are standard.

HIGH BAY LIGHTING Twin Series

TW

FEATURES:

- ISD SuperGlass® reflector technology
- Low profile design
- Individual lamp switching
- Ten optical choices
- High light levels
- UL/CUL listed 55°C, damp location

Example: TW 400MH 12 P N PN11 F1 PF-291

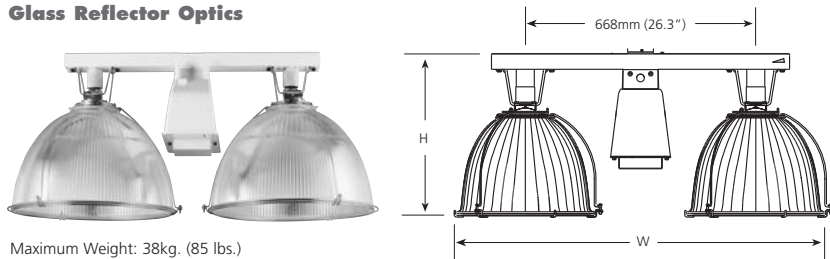


How to Construct a Catalog Number:

| TW | 400MH | 12 | P |
|----------------|---|--|---|
| 1 | 2 | 3 | 4 |
| LUMINAIRE | SOURCE AND WATTAGE | VOLTAGE | MOUNTING |
| TW Twin Series | HIGH PRESSURE SODIUM 400HP 400W HPS Energy Saving 40LHP 400W HPS METAL HALIDE 400MH 400W MH 400MP¹ 400W MH, protected Energy Saving 40LMH 400W MH 40LMP¹ 400W MH, protected PULSE START METAL HALIDE 350PP¹ 350W PS MH, protected 400PM 400W PS MH 400PP¹ 400W MH, protected Energy Saving 35LPP¹ 350W MH, protected 40LPP¹ 400W MH, protected 40LPM 400W MH ¹ Standard mogul base lamps not compatible. Use open rated lamps only | 12 120V 20 208V 24 240V 27 277V 34 347V 48 480V Multi-voltage MA Prewired for 120V MB Prewired for 208V MC Prewired for 240V MD Prewired for 277V MT Multi-voltage VT¹ Vari-tap ¹ Available with 350PP, 35LPP, 400HP, 400MP and 400MH only | B^{1,2} PF-455 cast hook and Holoflex "L" cord drop D^{1,3} PF-455 cast hook and Holoflex "L" cord drop for dual switch control F^{1,4} PF-455 cast hook and Holoflex "T" cord drop P Pendant mount, .75" NPT conduit T^{1,2} PF-455 cast hook and Holoflex II and selectable cord drop <hr/> ¹ CUL and dry location only ² 240V must be handled through TSG ³ Available with 120V, 277V, MA and MD only ⁴ Must be handled through TSG |

TW | Twin Series

Glass Reflector Optics



Maximum Weight: 38kg. (85 lbs.)

Prismpack (with covers)

| Optics | Reflector | H mm (in) | W mm (in) |
|--------|-----------|-------------|--------------|
| KL11 | 6611-AL | 495 (19.50) | 1112 (43.80) |
| KL12 | 6612-AL | 546 (21.50) | 1224 (48.20) |

Prismalume (without covers)

| Optics | Reflector | H mm (in) | W mm (in) |
|--------|-----------|-------------|--------------|
| PN11 | PRSL11 | 503 (19.80) | 1166 (45.90) |
| PN12 | PRSL12 | 556 (21.90) | 1275 (50.20) |

6 ISD SuperGlass® Optics

Light Distributions

| Spacing to Mtg. Ht. Ratio | Lamp Source and Wattage | | | |
|---------------------------|-------------------------|---------|--------------|---------|
| | High Pressure Sodium | | Metal Halide | |
| | Uncovered | Covered | Uncovered | Covered |
| 0.7:1 - 1.2:1 | PL12 | KL12 | PN12 | KN12 |
| 1.2:1 - 2.2:1 | PL11 | KL11 | PN11 | KN11 |



Glass



Glass with
aluminum cover

| N 5 | PN11 6 | F1 7 | PF-291 8 |
|--|----------------------|-----------|-------------|
| FIXTURE CORD LENGTH | OPTICS | OPTIONS | ACCESSORIES |
| F1 1.5mm (5') cord N ² None R ³ .91m (3') cord S ³ 1.8mm (6') cord T ⁴ 3m (10') cord | See chart on page 58 | See below | See below |
| 1 "T" mounting only 2 "P" mounting only 3 NA with "P" or "T" mountings 4 NA with "P" mounting | | | |

7 Options (Factory installed)

Cords

- CD-3¹ .9m (3') cord only
- CD-6^{1, 2} 1.8 (6') cord only

NEMA 3' 3 conductor cord and plug

- CDP-L5-15-X^{1, 2, 3} 120V
- CDP-L6-15-X^{1, 2, 3} 208/240V
- CDP-L7-15-X^{1, 2, 3} 277V
- CDP-L24-20-X^{1, 2, 3} 347V
- CDP-L8-20-X^{1, 2, 3} 480V

- EM⁴ Standby lighting fixture uses a D.C. bayonet base, 250W (max.) tungsten halogen lamp (included)
- ER² Emergency lighting fixture less relay for use with 120 volt external power source to operate a D.C. 250W (max.) bayonet base tungsten halogen lamp (included)
- F1³ Single fuse assembly for 120, 240, 277, 347V
- F2^{3, 5} Double fuse assembly for 208, 240, 480V, not available with dual switch
- H HALT® Automatic lamp time-out lamp
- HK Safety hook, (.75") male, not available with dual switch
- LP Loop, (.75") male, not available with dual switch
- PF-129 Anti-rotational hook, (.75") male
- PF-291 Universal gasketed hook assembly, (.75") male
- PHCB³ Power-hook cord
- PHCB-L8-480³ Power-hook cord for 480V

See page 113-118 for definitions

- 1 "X" = Length of chain. Insert 3, 4, 5 or 6 for "X"
- 2 Available with "P" mounting only
- 3 Not available with "MT"
- 4 "CD", "CDP" and "PHCB" handled through TSG
- 5 Not available with dual switch

8 Accessories (Ships separately)

- LAMP Appropriate HID lamp supplied
- LOOP456¹ Loop, (.75") DN20NPT male, "P" mounting only
- HOOK455¹ Safety hook, (.75") DN20NPT male, "P" mounting only
- PF-129-A¹ Anti-rotational hook, (.75") DN20NPT male, "P" mounting only
- PF-291¹ Universal gasketed hook assembly (.75") DN20NPT male, "P" mounting only
- Power Hooks**
- UPH-35-XXX-WH² Thru-way for 120, 208, 240, 277 347V, MA, MB, MC, MD
- UPH-35-L8-480-WH² Thru-way for 480V
- UPH-36-XXX-WH² Pendant for 120, 208, 240, 277 347V, MA, MB, MC, MD
- UPH-36-L8-480-WH (480V)² Pendant power-hook (order "PHCB-L8-480" with fixture); not available with "ER"
- TWC-X³ Safety chain, 914mm (3' is standard)
- Wire Guards**
- 09269 Wire guard for 6611-AL
- 09270 Wire guard for 6612-AL
- 09274 Wire guard for PRSL 11
- 09275 Wire guard for PRSL 12

See page 113-118 for definitions

- 1 Available with "P" mounting only
- 2 Not available with "MT"
- 3 "X" = Length of chain. Insert 3, 4, 5 or 6 for "X"

Contact your local sales rep for the most current option and accessory compatibility.

HOLOPHANE®

HIGH BAY LIGHTING Prismpack® V PP5K | PV

Prismpack V luminaires are the perfect fixtures for a variety of heavy-duty high bay applications including industrial, commercial, retail and educational facilities.

They are available in a choice of 8 covered glass reflectors, efficiently controlling light for exceptional visibility. Available in a wide range of HID lamps and ballasts, these luminaires deliver required lighting levels in a very energy efficient manner.

When you choose Prismpack V luminaires with minimal uplight, you will be getting a fixture that minimizes light lumen depreciation due to the inherent properties of the prismatic glass reflectors.

FEATURES:

- ISD SuperGlass® reflectors
- Choice of factory set distributions
- Thermal shock resistant prismatic glass
- Corrosion resistant finish
- Die cast aluminum housing
- UL/CUL listed 55°C, damp location

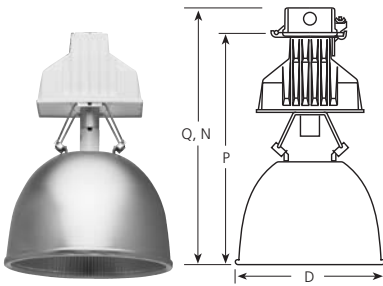
Example: PP5K 250HP 12 Q L12 F1 PF-291



How to Construct a Catalog Number:

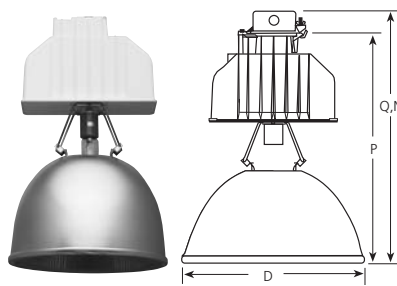
| PP5K | | 250HP | | 12 | |
|-------------|------------------------------|---------------------------------|-----------------------------|--|-------------------|
| 1 | | 2 | | 3 | |
| LUMINAIRE | | SOURCE AND WATTAGE | | VOLTAGE | |
| PP5K | Prismpack V, 150 - 400 watt | PP5K | | 08¹ | 208V |
| PV | Prismpack V, 750 - 1000 watt | HIGH PRESSURE SODIUM | | 40¹ | 240V |
| | | 15AHP | 150W/55V HPS | 12 | 120V |
| | | 250HP | 250W HPS | 20 | 208V |
| | | 400HP | 400W HPS | 24 | 240V |
| | | Energy Saving | | 27 | 277V |
| | | 25LHP | 250W HPS | 34² | 347V |
| | | 40LHP | 400W HPS | 48 | 480V |
| | | METAL HALIDE | | Multi-voltage | |
| | | 175MP¹ | 175W MH, protected | MA | Prewired for 120V |
| | | 250MP¹ | 250W MH, protected | MB | Prewired for 208V |
| | | 400MP | 400W MH, protected | MC | Prewired for 240V |
| | | 400MH | 400W MH | MD | Prewired for 277V |
| | | Energy Saving | | MT | Multi-voltage |
| | | 25LMP¹ | 250W MH, protected | VT | Vari-tap |
| | | 40LMH | 400W MH | 1 Isolated Secondary, CUL, NA with 25LHP, 40LHP, 40LMH, 40LPM and 40LPM. Handled through TSG | |
| | | 40LMP | 400W MH, protected | 2 Not available with 750HP | |
| | | PULSE START METAL HALIDE | | | |
| | | 250PP¹ | 250W MH, protected | | |
| | | 320PP¹ | 320W MH, protected | | |
| | | 350PP | 350W MH, protected | | |
| | | 400PP | 400W MH, protected | | |
| | | Energy Saving | | | |
| | | 25LPP¹ | 250W MH, protected | | |
| | | 35LPP | 350W MH, protected | | |
| | | 40LPP | 400W MH, protected | | |
| | | PV | | | |
| | | HIGH PRESSURE SODIUM | | | |
| | | 750HP¹ | 750W HPS | | |
| | | CP1HP | 1000W HPS, compact | | |
| | | C10HP | 1000W HPS | | |
| | | METAL HALIDE | | | |
| | | 40RMH¹ | 400W MH, Mag Reg | | |
| | | C10MP | 1000W MH, protected | | |
| | | 40RMP² | 400W MH, Mag Reg, protected | | |
| | | PULSE START METAL HALIDE | | | |
| | | 750PM | 750W MH | | |
| | | 750PP | 750W MH, protected | | |

PP5K | Prismpack V



Maximum Weight: 24 kg. (53 lbs.)

PV | Prismpack V



Maximum Weight: 38 kg. (83 lbs.)

| PP5K | | | | |
|--------|-----------|---------------|---------------|------------------|
| Optics | Reflector | D mm (in.) | P mm (in.) | Q, N mm (in.) |
| 11 | 6611-AL | 457 (18.0) | 700 (27.5) | 760 (29.9) |
| 12 | 6612-AL | 565 (22.25) | 750 (29.60) | 815 (32.00) |

| PV | | | | |
|--------|-----------|---------------|---------------|------------------|
| Optics | Reflector | D mm (in.) | P mm (in.) | Q, N mm (in.) |
| 11 | 6611-AL | 457 (18.00) | 686 (27.00) | 750 (29.55) |
| 12 | 6612-AL | 565 (22.25) | 838 (33.00) | 900 (35.45) |

1 These fixtures use sockets that accept open fixture rated lamps only. Standard mogul base lamps are not compatible

2 NA with multi-voltage or vari-tap



**INDUSTRIAL
HIGH BAY LIGHTING**

PrismPack® V



PP5K



PV

**Q
4**

MOUNTING

- P** Pendant mount for 20mm .75" RS conduit
- Q1** Quick disconnect power hanger
- N2** No quick disconnect power hanger

1 Not available with "CDP, "PCHB" or "PF"
2 CP1HP available with "N" mounting without thru-wiring

L12

5

OPTICS

See chart below

F1

6

OPTIONS

See page 62

PF-291

7

ACCESSORIES

See page 63

5 ISD SuperGlass® Optics

Light Distributions

| Spacing to Mtg. Ht. Ratio | Lamp Source and Wattage | | | | |
|---------------------------|-------------------------|----------|----------|-------|-------|
| | High Pressure Sodium | | | | |
| | 150W | 250-400W | 750W | 1000W | |
| 0.7:1 - 1.2:1 | | L12 | W12 | F12 | |
| 1.2:1 - 2.2:1 | Q11 | L11 | W11 | F11 | |
| | Metal Halide | | | | |
| | 150W | 250-320W | 250-350W | 750W | 1000W |
| 0.7:1 - 1.2:1 | | Q12 | N12 | H12 | Y12 |
| 1.2:1 - 2.2:1 | Q11 | Q11 | N11 | H11 | Y11 |

HIGH BAY LIGHTING

PrismPack® V – Options and Accessories

PP5K | PV



6 Options (Factory installed)

| | |
|--|---|
| 08214-3 | Safety chain, X = length (3 is standard) |
| 65¹ | 65°C ambient |
| CD-X | Cord only. Insert 3, 4, 5 or 6 for X, order "PF" also, for length longer than 6' handle through TSG, not available with "MT" |
| NEMA 3' 3 conductor cord and plug | |
| CDP-L5-15-X | 120V, order "PF" also, (X = No. of feet. 3 feet is standard) |
| CDP-L6-15-X | 208/240V, order "PF" also, (X = No. of feet. 3 feet is standard) |
| CDP-L7-15-X | 277V, order "PF" also, (X = No. of feet. 3 feet is standard) |
| CDP-L24-20-X | 347V, order "PF" also, (X = No. of feet. 3 feet is standard) |
| CDP-L8-20-X | 480V, order "PF" also, (X = No. of feet. 3 feet is standard) |
| EM² | Standby lighting fixture uses a D.C. bayonet base, 250W (max.) tungsten halogen lamp |
| ER³ | Emergency lighting fixture less relay for use with 120 volt external power source to operate a D.C. 250W (max.) bayonet base tungsten halogen lamp (included) |
| F1 | Single fuse assembly for 120, 240, 277, 347V, "MT" or "VT" handled through TSG |
| F2 | Double fuse assembly for 208, 240, 480V, "MT" or "VT" handled through TSG |
| H | HALT Automatic lamp time-out. Available on MH or PM units only. "MT" or "VT" available through TSG. Customer to specify voltage to be wired, NA on units with Pulse Metal Halide in combination with "EM", use "TD" instead |
| HFV | Holoflex® flexible wiring system, handled through TSG |
| HK | Safety hook, iron, (.75") DN20NPT male, available with "P" or "N" mounting only |
| Individually Sensored High Bay | |
| 15A⁴ | Aisle-way sensor |
| 15R⁴ | 360° round sensor |
| LP⁵ | Loop, (.75") DN20NPT male |
| PF-121⁵ | Hook, (.75") DN20NPT male |
| PF-129⁵ | Anti-rotational hook, (.75") DN20NPT male |
| PF-291 | Universal gasketed hook assembly, male |
| PS⁶ | HPS protected starter (not available with 750HP), not CSA certified |
| PHCB | Power-hook cord, not available with "EM", "ER" or "Q" |
| PHCB-L8-480 | Power-hook cord for 480V, not available with "EM", "ER" or "Q" |
| TD | Standby fixture with time delay, available with "PP5K" only, not available with "EM" or "ER", only 40°C ambient |
| S | Single for electrical ship level, available with PP5K only |

See page 113-118 for definitions

- 1 Available with 40LHP, 40LMH, 40LMP, 40LPP, 40LPM, C10HP, C10MH and C10MP only
- 2 Not available with 750HP in "27" and "48" voltage
- 3 "CD", "CDP" and "PHCB" handled through TSG
- 4 Available with "P" mounting only, not available with "H" or 65°C
- 5 Available with "P" or "N" mounting only
- 6 HPS units only, not available with 750HP



**INDUSTRIAL
HIGH BAY LIGHTING**

PrismPack® V

OPTIONS AND
ACCESSORIES



PP5K



PV

7 Accessories (Ships separately)

| | |
|---------------------------------------|--|
| LAMP | Appropriate HID lamp supplied |
| LOOP456 | Loop, (.75") DN20NPT male |
| HOOK455 | Safety hook, (.75") DN20NPT male |
| PF-116-A | Loop, (.75") DN20NPT female |
| PF-122-A | Safety hook, (.75") DN20NPT female |
| PF-129-A | Anti-rotational hook, (.75") DN20NPT male; |
| PF-291 | Universal gasketed hook assembly, male |
| Replacement Protected Starters | |
| PS-55 | For 15AHP and below |
| PS-100 | For 200HP through 400HP |
| PS-1000 | For 1000HP, not available with voltages 08 and 40 |
| Power Hooks | |
| UPH-35-XXX-WH | Thru-way for 120, 208, 240, 277, MA, MB, MC, MD, 347V, not available with "ER", insert voltage for XXX |
| UPH-35-L8-480-WH | Thru-way for 480V; not available with "ER", insert voltage for XXX |
| UPH-36-XXX-WH | Pendant for 120, 208, 240, 277, MA, MB, MC, MD, 347V, not available with "ER", insert voltage for XXX |
| UPH-36-L8-480-WH | Pendant for 480V; not available with "ER", insert voltage for XXX |
| Wire Guards | |
| 09269 | For use with 6611-AL optics |
| 09270 | For use with 6612-AL optics |

See page 113-118 for definitions

HOLOPHANE®

HIGH BAY DOWN LIGHTING PrismPack® Enclosed KE

The PrismPack Enclosed luminaires are the perfect luminaire for a variety of applications where an enclosed fixture is essential. Chemical plants, textile mills, processing plants and retail environments are just a few of the applications where the fixtures excel. With 7 enclosed optics to choose from, the PrismPack fixtures offer multiple light distributions from multiple lamp options. The latching system allows for tool-free access to the lamp and the gasketed husk reduces the opportunity of bugs and dirt to enter the optic.

When you choose the PrismPack with minimal uplight, you will be getting a fixture that minimizes light lumen depreciation due to the inherent properties of the prismatic glass reflectors.

FEATURES:

- ISD SuperGlass® reflectors
- Factory set distributions
- Choice of tempered bottom closures
- Die cast aluminum housing
- Corrosion resistant finish
- UL/CUL listed 55°C, damp location

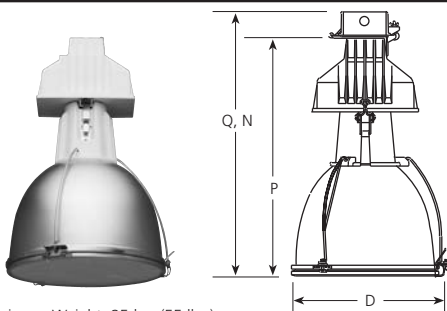


Example: KE 250MH 12 Q N Q11 F1 PF-291

How to Construct a Catalog Number:

| KE | 250MH | 12 | Q |
|--|--|--|---|
| 1 | 2 | 3 | 4 |
| LUMINAIRE | SOURCE AND WATTAGE | VOLTAGE | MOUNTING |
| KE PrismPack Enclosed, 150-400 watt, integral ballast; UL/CUL, 55°C damp location | HIGH PRESSURE SODIUM 15AHP 150W/55V HPS 250HP 250W HPS 400HP 400W HPS Energy Saving 25LHP 250W HPS 40LHP 400W HPS METAL HALIDE 175MH 175W MH 250MH 250W MH 400MH 400W MH Energy Saving 25LMH 250W MH 40LMH 400W MH PULSE START METAL HALIDE 250PM 250W MH 320PM 320W MH 350PM 350W MH 400PM 400W MH Energy Saving 25LPM 250W MH 35LPM 350W MH 40LPM 400W MH | 08¹ 208V 40¹ 240V 12 120V 20 208V 24 240V 27 277V 34 347V 48 480V Multi-voltage MA Prewired for 120V MB Prewired for 208V MC Prewired for 240V MD Prewired for 277V MT Multi-voltage 120-277V VT² Vari-tap, 120, 277, 347V | Standard P Pendant mount, .75" NPT conduit Q¹ Quick disconnect power hangar N No disconnect power hangar Steel Hooks A^{2,3} Steel hook, Holoflex® "L" cord drop C^{3,4} Steel hook and cord E^{2,3} Steel hook, Holoflex® "T" cord drop H^{3,4} Steel hook and cord with NEMA twist-off plug S^{2,3} Steel hook, Holoflex II and selectable cord drop Cast Hooks B^{2,3} PF-455 cast hook and Holoflex "L" cord drop F⁵ PF-455 cast hook and Holoflex "T" cord drop T^{2,3} PF-455 cast hook and Holoflex II and selectable cord drop |
| | | ¹ Isolated Secondary, CUL, only available with 15AHP, 250HP, 400HP, 175MH, 250MH and 400MH, all others handled through TSG ² Available with 250HP, 400HP, 250MH, 250PM, 25LPM, 320PM, 350PM, 35LPM and 400MH only | ¹ For pendant and thru-way wiring ² Available with 12, 20, 27, MA, MB, MD and VT voltages. 24V is only available through TSG. Not available with F2 ³ "CD", "CDP" and "PHCB" handled through TSG ⁴ Standard length is 3' and 6', other lengths available through TSG. Not available with F2 ⁵ Must be handled through TSG |

KE | PrismPack Enclosed



Maximum Weight: 25 kg. (55 lbs.)

| | D | Q, N | P |
|--------|-------------|-------------|-------------|
| Optics | mm (in.) | mm (in.) | mm (in.) |
| KE11 | 480 (18.90) | 760 (29.90) | 700 (27.50) |
| KE12 | 590 (23.25) | 815 (32.00) | 750 (29.60) |



INDUSTRIAL
HIGH BAY LIGHTING

PrismPack®
Enclosed



N

5

FIXTURE CORD LENGTH

- F**¹ 1.5mm (5') cord
- N**² None
- R**³ .91m (3') cord
- S**³ 1.8mm (6') cord
- T**⁴ 3m (10') cord

- 1 "S" or "T" mounting only
- 2 Must be used with P, Q or N mountings only
- 3 Not available with P, Q, N, S or T mountings
- 4 Not available with P, Q, or N mountings; available with C mounting through TSG only

Q11

6

OPTICS

See chart below

F1

7

OPTIONS

See page 66

PF-291

8

ACCESSORIES

See page 67

6 SuperGlass® Optics

Light Distributions

| Spacing to Mtg. Ht. Ratio | Lamp Source and Wattage | |
|---------------------------|-------------------------|----------|
| | High Pressure Sodium | |
| | 150W | 250-400W |
| 0.7:1 - 1.2:1 | Q12 | S12 |
| 1.2:1 - 2.2:1 | Q11 | S11 |

| Spacing to Mtg. Ht. Ratio | Lamp Source and Wattage | | | | |
|---------------------------|-------------------------|-------|------|-------|-------|
| | Metal Halide | | | | |
| | 175-320W | 320PM | 350W | 400PM | 400MH |
| 0.7:1 - 1.2:1 | Q12 | Q12 | Z12 | Z12 | Z12 |
| 1.2:1 - 2.2:1 | Q11 | U11 | Z11 | Z11 | Z11 |

HIGH BAY LIGHTING

Prismpack® Enclosed – Options and Accessories

KE



6 Options (Factory installed)

| | |
|--|---|
| CD-3 ¹ | 3' cord only |
| CD-4 | 4' cord only |
| NEMA 3' 3 conductor cord and plug | |
| CDP-L5-15-X ¹ | 120V, order "PF" also, X = length, 3 feet is standard, for length longer than 6' handle through TSG |
| CDP-L6-15-X ¹ | 208/240V, order "PF" also, X = length, 3 feet is standard, for length longer than 6' handle through TSG |
| CDP-L7-15-X ¹ | 277V, order "PF" also, X = length, 3 feet is standard, for length longer than 6' handle through TSG |
| CDP-L24-20-X ¹ | 347V, order "PF" also, X = length, 3 feet is standard, for length longer than 6' handle through TSG |
| CDP-L8-20-X ^{1,2} | 480V, order "PF" also, X = length, 3 feet is standard, for length longer than 6' handle through TSG |
| EM ² | Standby lighting fixture uses a D.C. bayonet base, 250W (max.) tungsten halogen lamp |
| ER ³ | Emergency lighting fixture less relay for use with 120 volt external power source to operate a D.C. 250W (max.) bayonet base tungsten halogen lamp (included) |
| F1 ¹ | Single fuse assembly for 120, 240, 277, 347V |
| F2 | Double fuse assembly for 208, 240, 480V, not available with "MT", "VT" or steel hooks, voltage 08 and 40 only available with "Q" |
| HK | Safety hook, iron, (.75") male |
| LL | Latch lock clips |
| LP | Loop, (.75") male |
| Individually Sensored High Bay | |
| 15A ⁴ | Aisle-way sensor |
| 15R ⁴ | 360° round sensor |
| Safety Chains | |
| PECHAIN3 | 3' chain |
| PECHAIN6 | 6' chain |
| PECHAIN10 | 10' chain |
| Hooks | |
| PF-129 | Anti-rotational hook, male |
| PF-291 | Universal gasketed hook assembly, male |
| PS | HPS protected starter |
| PHCB ¹ | Power-hook cord |
| PHCB-L8-480 | Power-hook cord for 480V, not available with "ER" |
| S | Single pack, electrical ship level |

See page 113-118 for definitions

1 Not available with "MT"

2 Not available with 400MH and 40LMH

3 Available with "N" and "P" mounting, "CD", "CDP", "HFW" and "PHCB" handled through TSG

4 Only available with 250 and 400W units with "P" mounting. Not available with "H" or 65°C



**INDUSTRIAL
HIGH BAY LIGHTING**

PrismPack®
Enclosed

OPTIONS AND
ACCESSORIES



7 Accessories (Ships separately)

| | |
|---------------------------------------|---|
| LAMP | Appropriate HID lamp supplied |
| LLC | Latch lock clips |
| LOOP456 | Loop, (.75") DN20NPT male |
| HOOK455 | Safety hook, (.75") DN20NPT male |
| PF-116-A | Loop, (.75") DN20NPT female |
| PF-122-A | Safety hook, (.75") DN20NPT female |
| PF-129-A | Anti-rotational hook, (.75") DN20NPT male; |
| PF-291 | Universal gasketed hook assembly male |
| Replacement Protected Starters | |
| PS-55 | For 15AHP and below |
| PS-100 | For 200HP - 400HP |
| Power Hooks | |
| UPH-35-XXX-WH | Thru-way for 120, 208, 240, 277, MA, MB, MC, MD, 347V; NA with "MT" or "ER", insert voltage for XXX |
| UPH-35-L8-480-WH | Thru-way for 480V; not available with "ER" |
| UPH-36-XXX-WH | Pendant for 120, 208, 240, 277, MA, MB, MC, MD, 347V; NA with "MT" or "ER", insert voltage for XXX |
| UPH-36-L8-480-WH | Pendant for 480V; available with "P", "Q", "N" mounting only, NA with "ER" |
| Safety Chains | |
| PECHAIN 3-ACC | 3 ft. safety chain |
| PECHAIN 6-ACC | 6 ft. safety chain |
| PECHAIN 10-ACC | 10 ft. safety chain |
| Wire Guards | |
| 09269 | For use with 6611 optics |
| 09270 | For use with 6612 optics |

See page 113-118 for definitions

HOLOPHANE®

HIGH BAY LIGHTING

PrismPack® Enclosed

EK | EGN

The Enclosed PrismPack luminaires are the perfect luminaire for a variety of applications where an enclosed fixture is essential. Chemical plants, textile mills, processing plants and retail environments are just a few of the applications where the fixtures excel.

With 8 enclosed optics to choose from, the PrismPack fixtures offer multiple light distributions from multiple lamp options. The latching system allows for tool-free access to the lamp and the gasketed husk reduces the opportunity of bugs and dirt to enter the optic.

When you choose the PrismPack with minimal uplight, you will be getting a fixture that minimizes light lumen depreciation due to the inherent properties of the prismatic glass reflectors.

FEATURES:

- ISD SuperGlass® reflectors
- Choice of factory set distributions
- Choice of tempered bottom closures
- Die cast aluminum housing
- Corrosion resistant finish
- UL/CUL listed 55°C, damp location

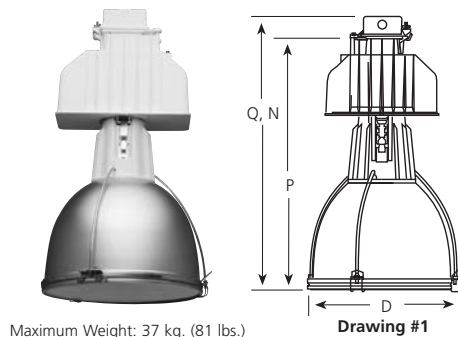


Example: EK 250HP 12 Q W12 F1 PF-291

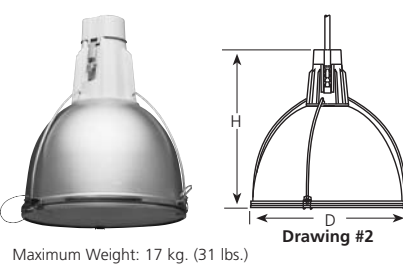
How to Construct a Catalog Number:

| E K | 250HP | 12 | Q |
|--|--|---|---|
| 1 | 2 | 3 | 4 |
| LUMINAIRE | SOURCE AND WATTAGE | VOLTAGE | MOUNTING |
| EK¹ PrismPack V Enclosed EGN² PrismPack V Enclosed 1 (150W-1000W) integral ballast 2 Remote ballast | EGN HIGH PRESSURE SODIUM 250HP 250W HPS 400HP 400W HPS Energy Saving 25LHP 250W HPS 40LHP 400W HPS METAL HALIDE 175MH 175W MH 250MH 250W MH 400MH 400W MH C10MH 1000W MH Energy Saving 25LMH 250W MH 40LMH 400W MH EK HIGH PRESSURE SODIUM 750HP¹ 750W HPS C10HP 1000W HPS METAL HALIDE 40RMH¹ 400W MH, mag reg C10MH 1000W MH PULSE START METAL HALIDE 750PM 750W PS MH 750PP 750W PS MH, protected 1 NA with "MA", "MB", "MC", "MD", or "MT" | 08¹ 208V 40¹ 240V 12 120V 20² 208V 24² 240V 27 277V 34³ 347V 48 480V Multi-voltage MA² Prewired for 120V MB² Prewired for 208V MC² Prewired for 240V MD² Prewired for 277V MT Multi-voltage 120-277V VT⁴ Vari-tap, 120, 277, 347V 1 Isolated Secondary, CUL, not available with 40RMH and 750HP, handled through TSG 2 Available with EK luminaire only 3 Not available with 750HP 4 Available with 750PM only | P Pendant mount for .75" NPT conduit Q Quick disconnect power hangar N¹ Non disconnect power hangar 1 For CP1HP version, N mounting is without thru-wiring |

EK | Enclosed PrismPack V



EGN | Enclosed PrismPack V



| EK | D | Q, N | P |
|--------|-------------|-------------|-------------|
| Optics | mm (in.) | mm (in.) | mm (in.) |
| EK11 | 500 (19.70) | 813 (32.00) | 711 (28.00) |
| EK12 | 610 (24.00) | 864 (34.00) | 762 (30.00) |

| EGN | D | H |
|--------|-------------|-------------|
| Optics | mm (in.) | mm (in.) |
| EGK11 | 500 (19.70) | 560 (22.00) |
| EGK12 | 610 (24.00) | 610 (24.00) |



**INDUSTRIAL
HIGH BAY LIGHTING**

PrismPack®
Enclosed



EK



EGN

W12

5

OPTICS

See chart below

F1

6

OPTIONS

See page 70

PF-291

7

ACCESSORIES

See page 71

5 SuperGlass® Optics

Light Distributions

| Spacing to Mtg. Ht. Ratio | Lamp Source and Wattage | | | | | |
|---------------------------|----------------------------|----------|-------|--------------------|----------|-------|
| | High Pressure Sodium - EK | | | Metal Halide - EK | | |
| | 175-250W | 400-750W | 1000W | 175-250W | 400-750W | 1000W |
| 0.7:1 - 1.2:1 | W12 | Z12 | A12 | | Z12 | B12 |
| 1.2:1 - 2.2:1 | W11 | Z11 | | | Z11 | |
| Spacing to Mtg. Ht. Ratio | High Pressure Sodium - EGN | | | Metal Halide - EGN | | |
| | 175-250W | 400-750W | 1000W | 175-250W | 400-750W | 1000W |
| 0.7:1 - 1.2:1 | W12 | W12 | A12 | | Z12 | B12 |
| 1.2:1 - 2.2:1 | W11 | W11 | | U11 | Z11 | |

HOLOPHANE®

HIGH BAY LIGHTING

Prismpack® Enclosed – Options and Accessories

EK | EGN



6 Options (Factory installed)

| | |
|--|---|
| CD-X ¹ | X = length, enter 3, 4, 5, or 6 |
| NEMA 3' 3 conductor cord and plug | |
| CDP-L5-15-X ¹ | 120V, order "PF" also, X = length, 3 feet is standard, for length longer than 6' handle through TSG |
| CDP-L6-15-X ¹ | 208/240V, order "PF" also, X = length, 3 feet is standard, for length longer than 6' handle through TSG |
| CDP-L7-15-X ¹ | 277V, order "PF" also, X = length, 3 feet is standard, for length longer than 6' handle through TSG |
| CDP-L24-20-X ¹ | 347V, order "PF" also, X = length, 3 feet is standard, for length longer than 6' handle through TSG |
| CDP-L8-20-X ^{1,2} | 480V, order "PF" also, X = length, 3 feet is standard, for length longer than 6' handle through TSG |
| EM ² | Standby lighting fixture uses a D.C. bayonet base, 250W (max.) tungsten halogen lamp, not available with 750PM, 1000MH |
| ER ³ | Emergency lighting fixture less relay for use with 120 volt external power source to operate a D.C. 250W (max.) bayonet base tungsten halogen lamp (included) |
| F1 ¹ | Single fuse assembly for 120, 240, 277, 347V |
| F2 ¹ | Double fuse assembly for 208, 240, 480V |
| H | HALT® automatic lamp time out, available with MH units only, not available with "MA", "MB", "MC", "MD", "MT", or "VT" |
| HK | Safety hook, iron, (.75") male |
| HFW | Flex wiring, available with "EK" only |
| LP | Loop, (.75") male |
| Safety Chains | |
| PECHAIN3 | 3' chain |
| PECHAIN6 | 6' chain |
| PECHAIN10 | 10' chain |
| Hooks | |
| PF-121 | Hook, 3/4" male, available with "EGN" only |
| PF-129 | Anti-rotational hook, male |
| PF-291 | Universal gasketed hook assembly, male, available with "EK" only |
| PS | HPS protected starter, available with "EK" only, not available with "750HP", "08" or "40" |
| PHCB | Power-hook cord, available with "EK" only |
| PHCB-L8-480 | Power-hook cord for 480V, available with "EK" only |
| S | Single pack, electrical ship level |

See page 113-118 for definitions

- 1 Not available with "MT" on the "EK" version
- 2 Not available with 400MH and 40LMH, 750PM, 1000MH
- 3 Available with "N" and "P" mounting, "CD", "CDP", "HFW" and "PHCB" handled through TSG



**INDUSTRIAL
HIGH BAY LIGHTING**

PrismPack®
Enclosed

OPTIONS AND
ACCESSORIES



EK



EGN

7 Accessories (Ships separately)

| | |
|-----------------------------|---|
| LAMP | Appropriate HID lamp supplied |
| LOOP456¹ | Loop, (.75") DN20NPT male |
| HOOK455¹ | Safety hook, (.75") DN20NPT male |
| PF-116-A¹ | Loop, (.75") DN20NPT female |
| PF-122-A¹ | Safety hook, (.75") DN20NPT female |
| PF-129-A¹ | Anti-rotational hook, (.75") DN20NPT male; |
| PF-291¹ | Universal gasketed hook assembly male |
| F1 | Single fuse assembly for 120, 240, 277, 347V, available with EGN only |
| F2 | Double fuse assembly for 208, 240, 480V, available with EGN only |

Replacement Protected Starters

PS-1000 For 1000HP, available with "EK" only, not available with "08" or "40" voltage

Power Hooks

UPH-35-XXX-WH Thru-way for 120, 208, 240, 277, MA, MB, MC, MD, 347V; NA with "MT" or "ER", insert voltage for XXX

UPH-35-L8-480-WH Thru-way for 480V; not available with "ER"

UPH-36-XXX-WH Pendant for 120, 208, 240, 277, MA, MB, MC, MD, 347V; NA with "MT" or "ER", insert voltage for XXX

UPH-36-L8-480-WH Pendant for 480V; available with "P", "Q", "N" mounting only, NA with "ER"

Safety Chains

09162-X Safety chain, secures optical assembly, "X" = length of chain; 3 feet is standard

Wire Guards

09269 For use with 6611 optics

09270 For use with 6612 optics

See page 113-118 for definitions

¹ Available with "EK" only

HOLOPHANE®

The PGRB (Prismatic Glass Reflector) is designed for applications using remote ballast operation. Remote ballasts from Holophane are designed and manufactured, high power, 1.0 ballast factor, with copper windings.

HIGH BAY LIGHTING

Prismatic Glass Reflector with Remote Ballast

PGRB

FEATURES:

- Thermal shock resistant Endural® prismatic borosilicate glass optics
- Choice of five reflectors
- Simplified installation
- UL/CUL listed 55°C, damp location

Example: PGRB 400HP RM37 ELB 05845

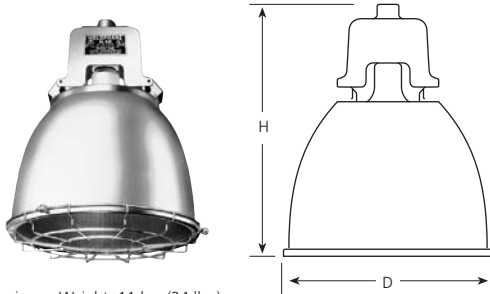


How to Construct a Catalog Number:

| PGRB 1 | 400HP 2 | RM37 3 | ELB 4 |
|--------------------------------|--|----------------------|------------------------------------|
| LUMINAIRE | SOURCE AND WATTAGE | OPTICS | OPTIONS (FACTORY INSTALLED) |
| PGRB Prismatic Glass Reflector | HIGH PRESSURE SODIUM 400HP 400W HPS METAL HALIDE 400MH 400W MH 400MP ¹ 400W MH, protected C10MH 1000W MH C10MP ¹ 1000W MH, protected INCANDESCENT 500IN 500W IN All lamps Mogul Base 1 Open rated lamp only | See chart on page 73 | ELB Extra low brightness reflector |

PGRB | Prismatic Glass Reflector

For Remote Ballast



Maximum Weight: 11 kg. (24 lbs.)

| Optics | Uncovered | | | Covered | | |
|--------|------------------------------|-------------|-------------|-----------------------------|-------------|-------------|
| | Prismalume type Reflector | H mm (in) | D mm (in) | Prismpack type Reflector | H mm (in) | D mm (in) |
| 11 | PRSL11 | 471 (18.56) | 460 (18.13) | 6611-AL | 467 (18.40) | 448 (17.65) |
| 12 | PRSL12 | 522 (20.56) | 570 (22.45) | 6612-AL | 518 (20.40) | 558 (22.00) |



**INDUSTRIAL
HIGH BAY LIGHTING**

PGRB



05845

5

ACCESSORIES (SHIPS SEPARATELY)

- LAMP** Appropriate lamp supplied with fixture
- LOOP456** Loop, (.75") DN20NPT male
- PF-116-A** Loop, malleable iron, (.75") DN20NPT female
- HOOK455** Safety hook, (.75") DN20NPT male
- PF-122-A** Safety hook, malleable iron, (.75") DN20NPT female
- PF-129-A** Anti-rotational hook, malleable iron, (.75") DN20NPT male;
- 05845** Wire guard for RH331, RN31, RA35, RB35, RB37 and RM37
- 0379** Wire guard for RS40
- 02195** Wire guard for RB39 and RJ39
- 0277** Wire guard access door for use with 02195, 0379, GD-69 and GD70, NA with 1000W units
- 0269** Wire guard access door for use with 05845
- 09269** Wire guard for RB11 (with relamp hole)
- 09270** Wire guard for RB12 (with relamp hole)
- 09274** Wire guard for PB11 (without relamp hole)
- 09275** Wire guard for PB12 (without relamp hole)
- WG-212-A** Wire guard for PH31, PN31, PE31, PA35 and PB35 (without relamp hole)
- WG-212-B** Wire guard for PH31, PN31, PE31, PA35 and PB35 (with relamp hole)
- WG-219-A** Wire guard for PM37 and PB37 (without relamp hole)
- WG-219-B** Wire guard for PM37 and PB37 (with relamp hole)
- GD-45** Wire guard for PJ39 and PB39
- 08214-X** Safety chain (3' is standard) "X" = no. of feet in length

3 SuperGlass® Optics

Light Distributions

| Lamp Source and Wattage | | | | |
|---------------------------|----------------------|--------------|----------|-------|
| UNCOVERED | | | | |
| Spacing to Mtg. Ht. Ratio | High Pressure Sodium | Metal Halide | | INC |
| | 400HP | 400MH/MP | C10MH/MP | 500IN |
| 0.7:1 - 1.2:1 | PN12 | PN12 | PB12 | PN12 |
| 1.2:1 - 2.2:1 | PN11 | PN11 | PB11 | PN11 |
| COVERED | | | | |
| Spacing to Mtg. Ht. Ratio | High Pressure Sodium | Metal Halide | | INC |
| | 400HP | 400MH/MP | C10MH/MP | 500IN |
| 0.7:1 - 1.2:1 | PN12 | RN12 | RB12 | RN12 |
| 1.2:1 - 2.2:1 | RN11 | RN11 | RB11 | RN11 |

Contact your local sales rep for the most current option and accessory compatibility.

HOLOPHANE®

HIGH BAY LIGHTING CentaGlo®

CG

The CentaGlo luminaire has many distinctive features. Unique shape, multiple distributions, low brightness and high angle light are just a few design features making CentaGlo one of a kind. A tapered bottom limits direct viewing of the lamp; a special feature designed for warehouses and production facilities.

Asymmetric or symmetric distributions coupled with a narrow or wide beam spread increase the versatility of this luminaire to meet the entire need of a facility. Many lamp types, wattages, and ballast types are available as well.

FEATURES:

- Engineered up/down light
- Improved visual acuity
- Exceptional vertical and horizontal illumination
- Minimal reflected and direct glare
- UL/CUL listed 55°C, damp location

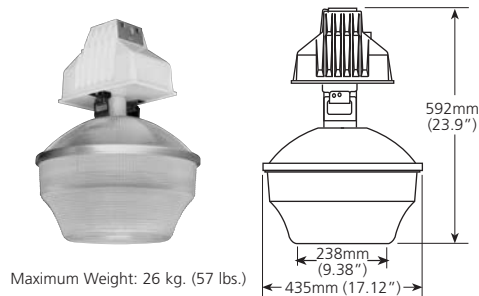
Example: CG 250HP 12 Q E1 F1 PF-291



How to Construct a Catalog Number:

| CG | 250HP | 12 | Q |
|-------------|--|--|---|
| 1 | 2 | 3 | 4 |
| LUMINAIRE | SOURCE AND WATTAGE | VOLTAGE | MOUNTING |
| CG CentaGlo | <p>HIGH PRESSURE SODIUM</p> <p>15AHP 150W/55V HPS 250HP 250W HPS 400HP 400W HPS</p> <p>Energy Saving</p> <p>25LHP 250W HPS 40LHP 400W HPS</p> <p>METAL HALIDE</p> <p>175MP¹ 175W MH, protected 250MP¹ 250W MH, protected 400MH 400W MH 400MP¹ 400W MH, protected</p> <p>Energy Saving</p> <p>25LMP 250W MH 40LMP¹ 400W MH, protected</p> <p>PULSE START METAL HALIDE</p> <p>250PP¹ 250W MH, protected 320PP¹ 320W MH, protected 350PP¹ 350W MH, protected 400PP¹ 400W MH, protected</p> <p>Energy Saving</p> <p>25LPP¹ 250W MH, protected 35LPP¹ 350W MH, protected 40LPP¹ 400W MH, protected</p> <p>¹ Socket accepts protected open fixture rated lamps only. Not compatible with standard mogul base lamps</p> | <p>08¹ 208V 40¹ 240V 12 120V 20 208V 24 240V 27 277V 34 347V CUL 48 480V</p> <p>Multi-voltage</p> <p>MA Prewired for 120V MB Prewired for 208V MC Prewired for 240V MD Prewired for 277V MT Multi-voltage VT² Vari-tap</p> <p>¹ Isolated Secondary, CUL; NA with 250PP, 25LHP, 25LPP, 320PP, 35LPP, 40LHP and 40LPP. Handled through TSG ² 120,277, 347V, Canada. Available with 250HP, 400HP, 250MP, 250PP, 25LPP, 350PP, 35LPP and 400MH</p> | <p>P Pendant mount for .75" NPT conduit Q¹ Quick disconnect power hangar N Non-quick disconnect power hangar</p> <p>¹ Not available with "CDP", "PCHB", or "PF"</p> |

CG | CentaGlo



5 Optics

| Light Distributions | Metal Halide | | High Pressure Sodium | |
|-----------------------|--------------|----------|----------------------|----------|
| | 175-320W | 350-400W | 150W | 250-400W |
| CG1 Asymmetric Narrow | M1 | B1 | M1 | E1 |
| CG1 Asymmetric Wide | H1 | D1 | H1 | M1 |
| CG2 Symmetric 1.1:1 | M2 | B2 | M2 | E2 |
| CG2 Symmetric 1.4:1 | N2 | A2 | N2 | C2 |



E1

5

OPTICS

See chart on page 74

F1

6

OPTIONS

See below

PF-291

7

ACCESSORIES

See below

6 Options (Factory installed)

| | |
|---|--|
| <p>08214-X¹ 65² Cords CD-3^{3,4} CD-4^{3,4} CD-5^{3,4} CD-6^{3,4} NEMA 3' 3 conductor cord and plug CDP-L5-15-X^{1,3} CDP-L6-15-X^{1,3} CDP-L7-15-X^{1,3} CDP-L24-20-X^{1,3} CDP-L8-20-X^{1,3} EM⁵ ER^{6,8} F1³ F2⁷ H HFV Hooks LP HK PF-129 PF-291 PHCB³ PHCB-L8-480³ PS S</p> | <p>Safety chain 65°C ambient 3' cord only 4' cord only 5' cord only 6' cord only 120V, (order "PF" also) 208/240V, (order "PF" also) 277V, (order "PF" also) 347V, (order "PF" also) 480V, (order "PF" also) Standby lighting fixture uses a D.C. bayonet base, 250W (max.) tungsten halogen lamp Emergency lighting fixture less relay for use with 120 volt external power source to operate a D.C. 250W (max.) bayonet base tungsten halogen lamp Single fuse assembly for 120, 240, 277, 347V Double fuse assembly for 208, 240, 480V HALT® automatic lamp time out Holoflex® flexible wiring system (must be handled through TSG) Loop, (.75") male Safety hook, (.75") male Anti-rotational hook, (.75") male Safety hook with gasketed strain relief cord connector, (.75") male Power-hook cord for 120, 208, 240, 277 and 347 volt Power-hook cord for 480 volt Protected starter, HPS units only Single pack for electrical ship level</p> |
|---|--|

See page 113-118 for definitions

- 1 "X" = length, 3' is standard
- 2 Available with 40LHP, 40LMP and 40LPP only. Not with "EM"
- 3 Not available with "MT" or "VT"
- 4 For lengths longer than 6', handle through TSG
- 5 Not available with "65"
- 6 Not available with "Q"
- 7 F2 with "08" and "40" only available with "Q" mounting. Not available with "MT" or "VT"
- 8 Available with "CD", "CDP", "PHCB" and Holoflex through TSG

7 Accessories (Ships separately)

| | |
|---|--|
| <p>LAMP Hooks LOOP456 PF-116-A HOOK455 PF-122-A PF-129-A PF-291 PS-55¹ PS-100² Thru-way power-hook UPH-35-XXX-WH^{3,4,5} UPH-35-L8-480-WH^{3,5} UPH-36-XXX-WH^{3,4,5} UPH-36-L8-480-WH^{3,5} WGCG</p> | <p>Appropriate HID lamp supplied Loop, (.75") male Loop, (.75") female Safety hook, (.75") male Safety hook, (.75") female Anti-rotational hook, (.75") male; Safety hook with gasketed strain relief cord connector, (.75") male Replacement protected starter Replacement protected starter Thru-way power-hook (order "PHCB" with fixture) 480V Thru-way power-hook (order "PHCB-L8-480" with fixture) Pendant power-hook (order "PHCB" with fixture) 480V Pendant power-hook (order "PHCB-L8-480" with fixture) Wire guard</p> |
|---|--|

See page 113-118 for definitions

- 1 Available with 15AHP and below
- 2 Available with 250HP and above
- 3 Not available with "MT" or "VT"
- 4 Insert 120, 208, 240, 277 or 347V only for XXX
- 5 Not available with "Q"

Contact your local sales rep for the most current option and accessory compatibility.

HOLOPHANE®

HIGH BAY LIGHTING

Indoor Refractopack® V IR

Because of its variety of distribution patterns, which allow the lighting system to be tailored to exact requirements, Indoor Refractopack V is ideally suited for warehouses, loading docks and general industrial areas.

Designed for almost all warehouse applications, its long and narrow distribution provides excellent vertical illumination on faces of boxes in warehouse racks, allowing workers to read labels easily. Square and asymmetric distributions are also available to illuminate those hard to light areas.

FEATURES:

- Thermal shock resistant refractors
- Die cast aluminum housing
- Variety of light distributions
- Ease of maintenance
- UL/CUL listed 55°C, damp location

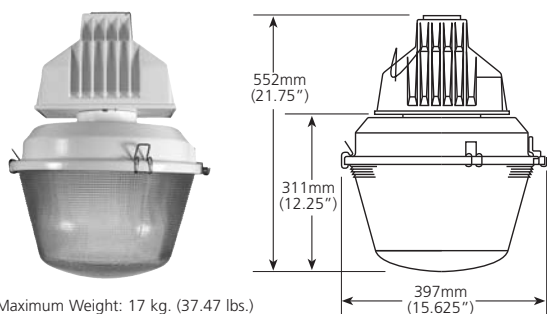
Example: IR 400HP 12 Q LN F1 PF-291



How to Construct a Catalog Number:

| IR 1 | 400HP 2 | 12 3 | Q 4 |
|------------------------|--|--|--|
| LUMINAIRE | SOURCE AND WATTAGE | VOLTAGE | MOUNTING |
| IR Indoor Refractopack | HIGH PRESSURE SODIUM 250HP 250W HPS 400HP 400W HPS Energy Saving 25LHP 250W HPS 40LHP 400W HPS METAL HALIDE 250MH 250W MH 400MH 400W MH Energy Saving 25LMH 250W MH 40LMH 400W MH PULSE START METAL HALIDE 400PM 400W PS MH Energy Saving 40LPM 400W MH | 12 120V 20 208V 24 240V 27 277V 34 347V 48 480V 08 ¹ 208V, Isolated Secondary, CUL 40 ¹ 240V, Isolated Secondary, CUL Multi-voltage MA Prewired for 120V MB Prewired for 208V MC Prewired for 240V MD Prewired for 277V MT Multi-voltage VT ² Vari-tap | P Pendant mount for .75" NPT conduit Q Quick disconnect power hangar N Non-quick disconnect power hangar |

IR | Indoor Refractopack



Maximum Weight: 17 kg. (37.47 lbs.)



| LN | F1 | PF-291 |
|--|----------------|--------------------|
| 5 | 6 | 7 |
| OPTICS | OPTIONS | ACCESSORIES |
| AS Asymmetric distribution | See below | See below |
| LN Long and narrow distribution | | |

6 Options (Factory installed)

| | |
|--|--|
| 09160-X¹ | Safety chain |
| Cords | |
| CD-3^{2,3} | 3' cord only |
| CD-4^{2,3} | 4' cord only |
| CD-5^{2,3} | 5' cord only |
| CD-6^{2,3} | 6' cord only |
| NEMA 3' 3 conductor cord and plug | |
| CDP-L5-15-X^{1,2} | 120V, (order "PF" also) |
| CDP-L6-15-X^{1,2} | 208/240V, (order "PF" also) |
| CDP-L7-15-X^{1,2} | 277V, (order "PF" also) |
| CDP-L24-20-X^{1,2} | 347V, (order "PF" also) |
| CDP-L8-20-X^{1,2} | 480V, (order "PF" also) |
| EM | Standby lighting fixture uses a D.C. bayonet base, 250W (max.) tungsten halogen lamp |
| ER | Emergency lighting fixture less relay for use with 120 volt external power source to operate a D.C. 250W (max.) bayonet base tungsten halogen lamp (included). Not available with "CDP", "Q" and "PHCB", not CSA certified |
| F1² | Single fuse assembly for 120, 240, 277, 347V |
| F2⁴ | Double fuse assembly for 208, 240, 480V |
| HFW | Holoflex® flexible wiring system (must be handled through TSG) |
| Hooks | |
| LP | Loop, (.75") male |
| HK | Safety hook, (.75") male |
| PF-129 | Anti-rotational hook, (.75") male |
| PF-291 | Safety hook with gasketed strain relief cord connector, (.75") male |
| PHCB² | Power-hook cord for 120, 208, 240, 277 and 347 volt |
| PHCB-L8-480² | Power-hook cord for 480 volt |
| PS | Protected starter, HPS units only |
| S | Single pack for electrical ship level |
| W | Wet location unit (40°C only) not available with "Q", "CDP" or "PHCB" |

See page 113-118 for definitions

- 1 "X" = length, 3' is standard
- 2 Not available with "MT" or "VT"
- 3 For lengths longer than 6' handle through TSG
- 4 F2 with "08" and "40" only available with "Q" mounting, not available with "MT"

7 Accessories (Ships separately)

| | |
|-------------------------------------|---|
| LAMP | Appropriate HID lamp supplied |
| Hooks | |
| LOOP456 | Loop, (.75") male |
| PF-116-A | Loop, (.75") female |
| HOOK455 | Safety hook, (.75") male |
| PF-122-A | Safety hook, (.75") female |
| PF-129-A | Anti-rotational hook, (.75") male; |
| PF-291 | Safety hook with gasketed strain relief cord connector, (.75") male |
| Thru-way power-hook | |
| UPH-35-XXX-WH^{1,2} | Thru-way power-hook (order "PHCB" with fixture) |
| UPH-35-L8-480-WH¹ | 480V Thru-way power-hook (order "PHCB-L8-480" with fixture) |
| UPH-36-XXX-WH^{1,2} | Pendant power-hook (order "PHCB" with fixture) |
| UPH-36-L8-480-WH¹ | 480V Pendant power-hook (order "PHCB-L8-480" with fixture) |

See page 113-118 for definitions

- 1 Not available with "MT" or "VT"
- 2 Insert 120, 208, 240, 277 or 347V only for XXX. Not available with "Q" or "ER"

Contact your local sales rep for the most current option and accessory compatibility.

HOLOPHANE®

Cranelites are used in industrial environments where illumination is blocked through the use of cranes and motor hoist assemblies. To compensate for light loss they are usually mounted under the catwalk or along side the crane box structure.

HIGH BAY LIGHTING Cranelite®

CRAN

FEATURES:

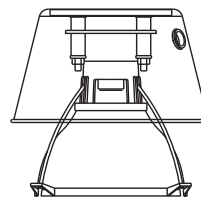
- Vibration dampening mounting system
- Thermal shock resistant Endural® prismatic borosilicate glass optics
- Simplified installation
- UL/CUL listed 55°C, damp location

Example: CRAN 250HP 4 W CRAN674WG



How to Construct a Catalog Number:

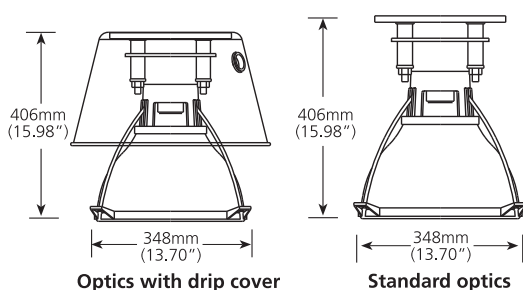
| CRAN | 250HP | 4 | W |
|------------------------------|---|--------------|--------------------------------|
| 1 | 2 | 3 | 4 |
| LUMINAIRE | SOURCE AND WATTAGE | OPTICS | OPTIONS (FACTORY INSTALLED) |
| CRAN Non-ballasted Cranelite | HIGH PRESSURE SODIUM 250HP 250W HPS, mogul base 400HP 400W HPS, mogul base METAL HALIDE 400MH 400W MH, mogul base 400MP 400W MH, mogul base, protected INCANDESCENT 500IN 500W IN, mogul base | 4 674 Optics | W Drip cover for wet locations |



CRAN | Cranelite



Maximum Weight: 18.5 kg. (41 lbs.)





**INDUSTRIAL
HIGH BAY LIGHTING**

Cranelite®



CRAN674WG

5

ACCESSORIES (SHIPS SEPARATELY)

| | |
|------------------|---------------------------|
| LAMP | Appropriate lamp supplied |
| CRAN674WG | 674 wire guard |

INDUSTRIAL

Low Bay Lighting

The industrial Low Bay environment requires shallow luminaires with efficient, wide spread, low brightness distribution. Holophane designed and manufactured reflectors and refractors provide superior performance, efficiency and visibility. Our unique product offerings provide a wide selection of solutions for your applications.

- **Reduces shadows**
- **Reliable performance**
- **Cuts energy while brightening environment**
- **Easy maintenance**



Reduced Glare Prevents Eye Fatigue: Coors Brewery; Golden, Colorado

Coors Brew house, the largest brew house in the world, operates eight brew lines through 40 copper kettles. Each year, this Coors Golden, Colorado, facility bottles 20 million barrels of beer - more than seven billion bottles. The brew house is illuminated with Bantam 2000 Primalume® fixtures. These energy-efficient, low wattage HID luminaires are UL listed for wet locations, including high humidity interior and exterior applications. The low brightness prismatic glass reflector reduces direct glare, preventing eye fatigue. Bantam fixtures can offer up to 20 percent uplight, to prevent the cavernous effect of a dark ceiling.



Lighting solutions...

For low to medium ceiling heights, Holophane offers a wide variety of Low Bay luminaires. These luminaires provide uniform light distribution with low brightness. Their compact design and excellent optical distribution make them an ideal choice for industrial, commercial or retail applications.



Quality Illumination Pleases Employees: *Basic American Foods; Shelley, Idaho*

Quality illumination is as important in a warehouse as it is in other parts of a processing facility—particularly when products are palletized and moved with lift trucks. Basic American Foods, located in Shelley, Idaho, recently retrofitted the lighting system in both of its 25,000-square-foot warehouses to boost the light levels and create a more pleasing environment for employees.

The warehouses were previously illuminated with eight-foot single-tube fluorescent fixtures, which tended to create a dark, dreary atmosphere. During the retrofit, Rick Lake, electrical project manager for Basic American Foods, Inc., specified a Holophane high intensity discharge (HID) system with 400-watt metal halide lamps.

The lighting system installed is Enduralume® Low Profile luminaires with integral side mounted ballast. "Replacing the fluorescent system with the HID fixtures allowed us to increase the light levels significantly," Lake confirmed. "The white light provided by the metal halide lamps is much brighter—which is an advantage as far as the employees are concerned. The higher levels of vertical illumination also help the lift truck drivers read the labels on the products." Lake indicated the Enduralume fixtures were easy to install. The units include a quick disconnect feature that facilitates installation and maintenance. "The new lighting system has been a good investment," he added.



Lighting Promotes Safety for Intel *Intel Corporation; Rio Rancho, New Mexico*

When a company operates three shifts around the clock, safety is always an issue as employees park their cars and enter and exit the garage. Intel Corporation in Rio Rancho, New Mexico, near Albuquerque, wanted high quality lighting for its new 1400-space employee parking facility for security reasons, but did not want the structure to become a salient feature at night. "If someone was at a distance, looking toward the site, management wanted the garage to blend in with the other buildings," explained Gary Emmett, P.E., principal and co-owner of EMRO, Inc., an electric engineering firm based in Scottsdale, Arizona. "Yet, because this is an enclosed structure, we wanted to prevent the possibility of vandalism or violence."

To light Levels 1 and 2, Holophane Bantam 2000 Prismatic® luminaires with 100 watt high pressure sodium lamps were installed, based on Intel's past success with Holophane fixtures in other buildings within the office, manufacturing and warehouse complex.

"Driver glare was a concern, especially with the painted semi gloss white ceiling," said Emmett. "With the uniform light output from the Bantam fixtures, we were able to create a very friendly, evenly lighted environment that allows pedestrians to see inside and around their cars, without glare. There are no blind spots or hidden areas within the garage."

"Comments have been very positive about the garage's overall feeling, both from construction personnel and employees using the garage," Emmett related. "The lighting is outstanding and meets the objectives that were originally established."

HOLOPHANE®

The Low Profile Series is the solution to lighting industrial areas with low ceiling heights. Typical applications include food processing plants, mezzanines, power plants, stairwells and areas where hanging duct work leave minimal overhead clearance.

An extensive choice of lighting distributions is available by combining the wide selection of MH and HPS lamps and wattages with the Enduralume, Prismpack, Primalume, or CentaGlo optics.

LOW BAY LIGHTING Low Profile Series

LC | LEN | LK | LP

FEATURES:

- Compact design
- Four unique optic styles
- High efficiency reflector or refractor
- Heavy-duty die cast aluminum housing
- UL/CUL listed 55°C, damp location

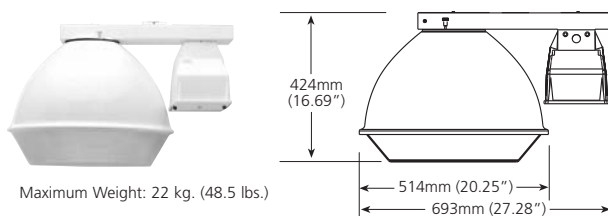
Example: LEN 400MH 27 K N G EM PF-291



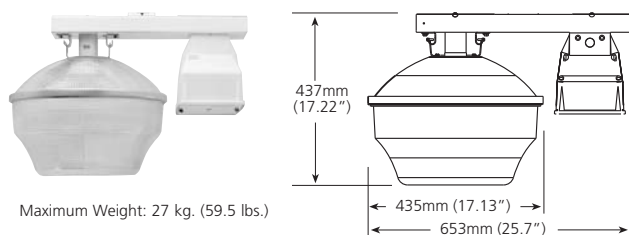
How to Construct a Catalog Number:

| LEN 1 | 400MH 2 | 27 3 | K 4 |
|---|---|---|--|
| LUMINAIRE | SOURCE AND WATTAGE | VOLTAGE | MOUNTING |
| LC Low Profile CentaGlo LEN Low Profile Enduralume LK Low Profile Prismpack LP Low Profile Primalume | HIGH PRESSURE SODIUM 15AHP 150W/55V HPS 250HP 250W HPS 400HP 400W HPS Energy Saving 25LHP 250W HPS 40LHP 400W HPS METAL HALIDE 175MH ¹ 175W MH 175MP ² 175W MH, protected 250MH ¹ 250W MH 250MP ² 250W MH, protected 400MH 400W MH 400MP ² 400W MH, protected Energy Saving 175LMH 175W MH 25LMP ² 250W MH, protected 40LMH 400W MH 40LMP ² 400W MH, protected PULSE START METAL HALIDE 175PM 175W MH 250PM ¹ 250W MH 250PP ² 250W MH, protected 320PM ¹ 320W MH 320PP ² 320W MH, protected 350PM ¹ 350W MH 350PP ² 350W MH, protected 400PM ¹ 400W MH 400PP ² 400W MH, protected Energy Saving 25LPM ¹ 250W MH 25LPP ² 250W MH, protected 35LPM ¹ 350W MH 35LPP ² 350W MH, protected 40LPM ¹ 400W MH 40LPP ² 250W MH, protected 1 Only available with LEN optic 2 Not available with LEN optic | 08 ¹ 208V 40 ¹ 240V 12 120V 20 208V 24 240 27 277V 34 347V 48 480V Multi-voltage MA Prewired for 120V MB Prewired for 208V MC Prewired for 240V MD Prewired for 277V MT Multi-voltage VT ² Vari-tap 1 Isolated secondary, CUL, NA with 250MH, 250PM, 250PP, 25LPP, 25LPM, 320PM, 320PP, 35LPM, 400PM and 40LPM, handled through TSG 2 120, 277, 347V, Canada Available with 250HP, 400HP, 250MP, 250PP, 25LPP, 320PP, 350PM, 35LPM, 400MH | P Pendant K ^{1,2} Quick install thru-wiring PF-455 Cast Hook and Holoflex B ³ "L" cord drop, UL dry location only F ³ "T" cord drop, UL dry location only T ³ Selectable cord drop, UL/CUL dry location only 1 40°C ambient only 2 Not available with LC optic 3 UL dry location only. Handled through TSG |

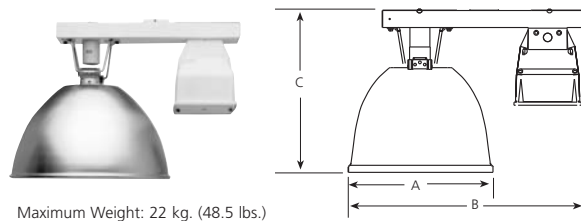
LEN | Low Profile Enduralume®



LC | Low Profile CentaGlo®



LK | Low Profile Prismpack®



| LK | A | B | C |
|---------|--------------|--------------|--------------|
| Optics | mm (in.) | mm (in.) | mm (in.) |
| 6611-AL | 457 (18.0") | 654 (25.75") | 596 (23.45") |
| 6612-AL | 565 (22.25") | 708 (27.88") | 649 (25.55") |



INDUSTRIAL
LOW BAY LIGHTING

Low Profile Series



Low Profile CentaGlo



Low Profile Enduralume



Low Profile Prismpack



Low Profile Prismalume

N

5

CORD LENGTH

- N1 None
 - R² 3 feet
 - F³ 5 feet
 - S⁴ 6 feet
 - T² 10 feet
-
- 1 "P" or "K" mounting only
 - 2 NA with "P" or "K" mounting
 - 3 "T" mounting only
 - 4 NA with "P", "K" or "T" mounting

G

6

OPTICS

- LEN**
- G Enduralume with glass refractor, 55°C
 - A¹ Enduralume with acrylic refractor
- 1 40°C ambient only
See charts below for LC, LP and LK optics

EM

7

OPTIONS

See page 84

PF-291

8

ACCESSORIES

See page 85

6 Optics - LC, LK, LP

Light Distributions - LC

| Spacing to Mtg. Ht. Ratio | Lamp Source and Wattage | | | |
|---------------------------|----------------------------------|--|----------------------|----------------------------|
| | Metal Halide | | High Pressure Sodium | |
| | 175MP/175PP/250MP 25LMP/320PP | 350PM/35LPM/400MH 40LMH/400PM/40LPM | 15AHP | 250HP/25LHP 400HP/40LHP |
| CG1 Asymmetric Narrow | M1 | B1 | M1 | E1 |
| CG1 Asymmetric Wide | H1 | D1 | H1 | M1 |
| CG2 Symmetric 1.1:1 | M2 | B2 | M2 | E2 |
| CG2 Symmetric 1.4:1 | N2 | A2 | N2 | C2 |

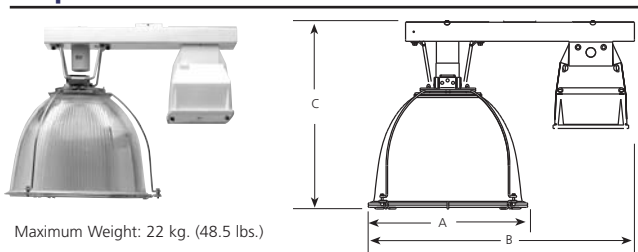
Light Distributions - LK

| Spacing to Mtg. Ht. Ratio | Lamp Source and Wattage | |
|---------------------------|-------------------------|------|
| | HPS | MH |
| 0.7:1 - 1.2:1 | KL12 | KN12 |
| 1.2:1 - 2.2:1 | KL11 | KN11 |

Light Distributions - LP

| Spacing to Mtg. Ht. Ratio | Lamp Source and Wattage | |
|---------------------------|-------------------------|------|
| | HPS | MH |
| 0.7:1 - 1.2:1 | PL12 | PN12 |
| 1.2:1 - 2.2:1 | PL11 | PN11 |

LP | Low Profile Prismalume®



Maximum Weight: 22 kg. (48.5 lbs.)

| LP | A | B | C |
|--------|-------------|--------------|-------------|
| Optics | mm (in.) | mm (in.) | mm (in.) |
| 6611 | 480 (18.9") | 674 (26.55") | 538 (21.2") |
| 6612 | 592 (23.3") | 729 (28.7") | 563 (22.2") |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

LOW BAY LIGHTING

Low Profile Series – Options and Accessories

LC | LEN | LK | LP



7 Options (Factory installed)

| | |
|--|--|
| 08214-X | Safety chain. X = length, 3, 6 and 10 ft. available |
| EM | Standby lighting fixture |
| ER | Emergency lighting fixture, only available with "CD", "CDP" or "PHCB" when handled through TSG |
| LP | Loop, (.75") male, "P" mount only |
| H | HALT® Automatic lamp time-out |
| HK | Safety hook, (.75") male, "P" mount only |
| PF-129 | Anti-rotational hook, (.75") male, "P" mount only |
| PF-291 | Safety hook, (.75") male, "P" mount only |
| Cords | |
| CD-3^{1,2} | 3' cord only |
| CD-4^{1,2} | 4' cord only |
| CD-5^{1,2} | 5' cord only |
| CD-6^{1,2} | 6' cord only |
| NEMA 3' 3 conductor cord and plug | |
| CDP-L5-15-X^{2,3} | 120V |
| CDP-L6-15-X^{2,3} | 208V and 240V |
| CDP-L7-15-X^{2,3} | 277V |
| CDP-L24-20-X^{2,3} | 347V |
| CDP-L8-20-X^{2,3} | 480V |
| PS | HPS protected starter. HPS only |
| PHCB | Power-hook cord for 120, 208, 240, 277 and 347 volt |
| S | Single pack for electrical only |
| Safety chains for LEN optic | |
| C3 | 3' safety chain |
| C6 | 6' safety chain |
| C10 | 10' safety chain |

See page 113-118 for definitions

- 1 Available with "P" mounting only
- 2 Not available with "MT"
- 3 Order "PF" also. X = 3', 6', or 10' standard length



INDUSTRIAL
LOW BAY LIGHTING

Low Profile Series

OPTIONS AND ACCESSORIES



Low Profile CentaGlo



Low Profile Enduralume



Low Profile Prismpack



Low Profile Primalume

8 Accessories (Ships separately)

| | |
|--------------------------------------|---|
| 08214-X | Safety chain. X = length, 3, 6 and 10 ft. available |
| LAMP | Appropriate HID lamp supplied |
| LOOP456¹ | Loop, (.75") male |
| PF-116-A¹ | Loop, (.75") female |
| HOOK455¹ | Safety hook, (.75") male, (.75") |
| PF-122-A¹ | Safety hook, (.75") female, |
| PF-129-A¹ | Anti-rotational hook, (.75") male |
| PF-291¹ | Safety hook, (.75") male |
| Protected replacement starter | |
| PS-55 | For 15AHP and below |
| PF-100 | For 250HP through 400HP only |
| Thru-way power-hook | |
| UPH-35-XXX-WH^{1, 2} | Thru-way power-hook |
| UPH-35-L8-480-WH³ | 480V Thru-way power-hook |
| UPH-36-XXX-WH^{1, 2} | Pendant power-hook |
| UPH-36-L8-480-WH³ | 480V Pendant power-hook |
| Wire guards | |
| WGCG | Wire guard for LC optics "AN", "AW", "SN" and "SW" |
| WG-221 | Wire guard for LEN optics |
| 09269 | Wire guard for 6611-AL optic |
| 09270 | Wire guard for 6612-AL optic |
| 09274 | Wire guard for PRSL11 optic |
| 09275 | Wire guard for PRSL12 optic |

See page 113-118 for definitions

- 1 Available with pendant mount only
- 2 Not available with "ER" or "MT"
- 3 Available for 480V with pendant mount only

HOLOPHANE®

LOW BAY LIGHTING Bantam 2000®

BA

The Bantam 2000 Series is the perfect luminaire for a variety of heavy-duty industrial and low ceiling height applications. Typical applications include mezzanines, parking garages, retail stores and stairwells.

Bantam luminaires are available in a choice of four rugged optical choices that efficiently place light where visibility is needed. Rated for a wide range of ambient temperature applications, the Bantam Series is also listed for wet or damp locations.

FEATURES:

- Engineered for low maintenance
- Heavy-duty construction
- Variety of optical choices
- Energy efficient operation
- UL/CUL listed 40°C, wet location



Example: BA 70DHP 12 P A CD-3 F1

How to Construct a Catalog Number:

BA

70DHP

12

1

2

3

LUMINAIRE

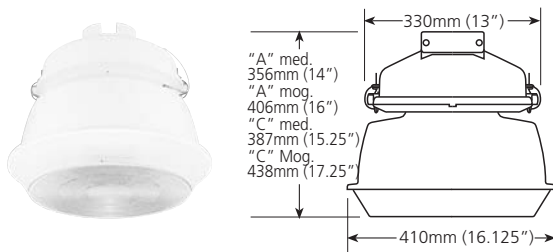
SOURCE AND WATTAGE

VOLTAGE

BA Bantam 2000

BA | Bantam 2000 Enduralume

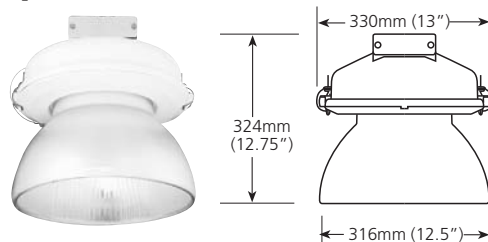
Optics A/C



Maximum Weight: 7.2 kg. (16 lbs.) – 11.8 kg. (26 lbs.)

BA | Bantam 2000 Prispacpack

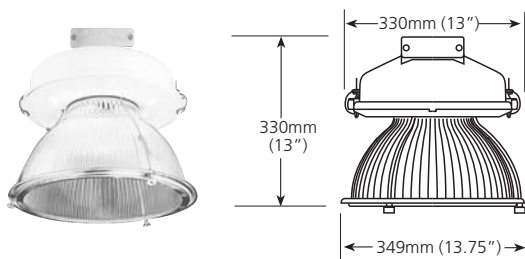
Optics M/N/U/Z



Maximum Weight: 9.08 kg. (20 lbs.) – 11.3 kg. (25 lbs.)

BA | Bantam 2000 Prismalume

Optics H/K/L/S



Maximum Weight: 9.07 kg. (20 lbs.) – 11.8 kg. (26 lbs.)

HIGH PRESSURE SODIUM

Mogul

Medium

| Base | Base | |
|--------------------|--------------------|----------|
| NA | 50DHP ¹ | 50W HPS |
| NA | 70DHP | 70W HPS |
| NA | 10DHP | 100W HPS |
| NA | 15DHP | 150W HPS |
| 070HP ² | NA | 70W HPS |
| 100HP ² | NA | 100W HPS |
| 15AHP ² | NA | 150W HPS |

METAL HALIDE

| | | |
|--------------------|--------------------|--------------------|
| NA | 70DMH ³ | 70W MH |
| NA | 10DMH ³ | 100W MH |
| NA | 15DMH ³ | 150W MH |
| NA | 17DMH ³ | 175W MH |
| NA | 70DMP ⁴ | 70W MH, protected |
| NA | 10DMP ⁴ | 100W MH, protected |
| NA | 15DMP ⁴ | 150W MH, protected |
| 175MH ² | NA | 175W MH |

PULSE START METAL HALIDE

| | | |
|--------------------|----|---------|
| 17DPM ³ | NA | 175W MH |
| 175PM ² | NA | 175W MH |

- 1 Not available with 347V. CUL listed
- 2 Available with "A" and "C" optics only
- 3 Enclosed only, not available with 480V
- 4 Open optics only. Sockets accept open rated lamps only. Not available with medium base lamps or 480V

08¹

208V

40¹ 240V

12 120V

20 208V

24 240

27 277V

34² 347V

48 480V

Multi-voltage

MA Prewired for 120V

MB Prewired for 208V

MC Prewired for 240V

MC Prewired for 277V

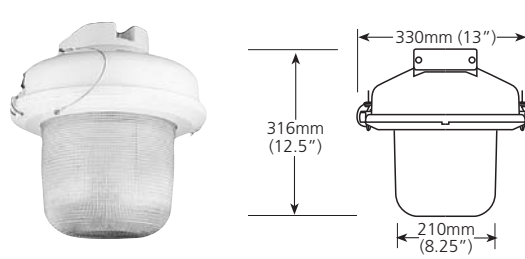
MT¹ Multi-voltage

1 Must be handled through TSG

2 Not available with 15DMH and 150 MP

BA | Bantam 2000 Prismatic

Optics H/K/L/S



Maximum Weight: 9.07 kg. (20 lbs.) – 11.8 kg. (26 lbs.)



**INDUSTRIAL
LOW BAY LIGHTING**

Bantam 2000®



Bantam 2000 Enduralume



Bantam 2000 Primalume



Bantam 2000 Prismack



Bantam 2000 Prismatic

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

| P 4 MOUNTING | A 5 OPTICS | CD-3 6 OPTIONS | F1 7 ACCESSORIES |
|--|---|----------------------|------------------------|
| <p>A Stanchion arm C¹ Ceiling (40°C damp location) P Pendant W Wall bracket T Damp location only</p> | <p>Enclosed bottom A Enduralume glass B Long and narrow Prismatic C Enduralume plastic G Symmetric Prismatic K Wide distribution Primalume L Medium distribution Primalume U Wide distribution Prismack Z Medium distribution Prismack</p> <p>Open bottom H Wide distribution Primalume J Medium distribution Primalume M Wide distribution Prismack N Medium distribution Prismack</p> | <p>See below</p> | <p>See below</p> |
| <p>6 Options (Factory installed)</p> <p>EM Standby lighting fixture, not available on mogul base units ER Emergency lighting fixture Only available with "CD", "CDP", "PHCB" or "UPH" when handled through TSG LP Loop, (.75") male, "P" mount only HK Safety hook, (.75") male, "P" mount only PF-129 Anti-rotational hook, (.75") male, "P" mount only PF-291 Safety hook, (.75") male, "P" mount only</p> <p>Cords CD-3 3' cord only, not available with "MT" CD-4 4' cord only, not available with "MT" CD-5 5' cord only, not available with "MT" CD-6 6' cord only, not available with "MT"</p> <p>NEMA 3¹ 3 conductor cord and plug CDP-L5-15-X 120V, "P" mount only, damp location, X = length of cord in feet CDP-L6-15-X 208V and 240V, "P" mount only, damp location, X = length of cord in feet CDP-L7-15-X 277V, "P" mount only, damp location, X = length of cord in feet CDP-L24-20-X 347V, "P" mount only, damp location, X = length of cord in feet CDP-L8-20-X 480V, "P" mount only, damp location, X = length of cord in feet</p> <p>PS HPS protected starter. HPS only PHCB Power-hook cord for 120, 208, 240, 277 and 347 volt, "P" mount only, damp location PHCB-L8-480 Power-hook cord for 480 volt, "P" mount only, damp location HFW Holoflex® flexible wiring system T NEMA decal</p> | | | |
| <p>7 Accessories (Ships separately)</p> <p>09189-X Safety chain, "X" = length of chain, 914mm (3') is standard LAMP Appropriate lamp supplied F1 Single fuse assembly F2 Double fuse assembly LOOP456¹ Loop, (.75") male PF-116-A¹ Loop, (.75") female HOOK455¹ Safety hook, (.75") male PF-122-A¹ Safety hook, (.75") female PF-129-A¹ Anti-rotational hook, (.75") male PF-291 Safety hook with gasketed strain relief cord connector, (.75") DN20NPT male, pendant mount only</p> <p>Thru-way power-hook UPH-35-XXX-WH¹ Thru-way power-hook UPH-35-L8-480-WH² 480V Thru-way power-hook, not available with "MT" UPH-36-XXX-WH¹ Pendant power-hook UPH-36-L8-480-WH² 480V Pendant power-hook, not available with "MT"</p> <p>Wire guards 09190 Prismatic "B" and "G" refractors WG-223-A Enduralume "A" and "C" optics 0256 Primalume "H", "J", "K" and "L" optics BAS Internal side shield, available with Prismatic "B" and "G" optics only</p> | | | |

See page 113-118 for definitions

¹ Available with pendant mount only. Damp location only
² Available for 480V with pendant mount only. Damp location only

Contact your local sales rep for the most current option and accessory compatibility.

HOLOPHANE®

LOW BAY LIGHTING Lobay® V

LY

The Lobay V luminaire combines the efficiency of HID light sources with special lens optics to create an enclosed luminaire that produces a wide variety of light distributions. This makes Lobay V luminaires an excellent choice for both installation and operating economy, not to mention exceptional uniformity at low to medium mounting heights.

Where excessive moisture is prevalent, a special version of the Lobay V luminaire which is UL listed as "suitable for wet locations" is available as an option. It is not recommended for use where high pressure water spray is used.

FEATURES:

- Unique optical assemblies
- Die cast aluminum housing
- Corrosion resistant finish
- Optional "wet location" listing
- UL/CUL listed 40°C, damp location

Example: LY 400HP 12 Q SQ10 F1 LAMP

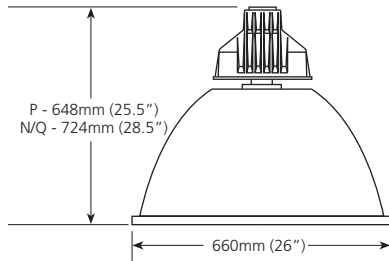


How to Construct a Catalog Number:

| LY | 400HP | 12 | Q |
|------------|---|---|---|
| 1 | 2 | 3 | 4 |
| LUMINAIRE | SOURCE AND WATTAGE | VOLTAGE | MOUNTING |
| LY Lobay V | HIGH PRESSURE SODIUM 250HP 250W HPS 400HP 400W HPS Energy Saving 25LHP 250W HPS 40LHP 400W HPS METAL HALIDE 175MH 175W MH 250MH 250W MH 400MH 400W MH Energy Saving 25LMH 250W MH 40LMH 400W MH PULSE START METAL HALIDE 175PM 175W MH 250PM 250W MH 320PM 320W MH 350PM 350W MH 400PM 400W MH Energy Saving 25LPM 250W PS MH 35LPM 350W PS MH 40LPM 400W PS MH | 08' 208V 40' 240V 12 120V 20 208V 24 240 27 277V 34 347V 48 480V Multi-voltage MA Prewired for 120V MB Prewired for 208V MC Prewired for 240V MC Prewired for 277V MT Multi-voltage VT ² Vari-tap | N Non quick disconnect power hanger P Pendant mount, .75" NPT conduit Q Quick disconnect power hanger |

1 Must be handled through TSG
 2 Available with 250HP, 250MH, 250PM, 25LPM, 320PM, 35LPM, 350PM, 400HP, 400MH only

LY | Lobay V



Maximum Weight: 27 kg. (60 lbs.)



SQ10

5

OPTICS

- SQ10** Square distribution 1.3 spacing criteria
- GD10** Refractive Grid 1.4 spacing criteria

F1

6

OPTIONS

See below

LAMP

7

ACCESSORIES

See below

6 Options (Factory installed)

| | |
|---|-------|
| <p>09176 Safety chain. 3' is standard length</p> <p>EM Standby lighting fixture</p> <p>ER Emergency lighting fixture 250W (max.) bayonet base tungsten halogen lamp (included). Only available with "CDP" or "PHCB" when handled through TSG, not available with "W" or "Q"</p> <p>Hooks</p> <p>LP¹ Loop, (.75") male</p> <p>HK¹ Safety hook, (.75") male</p> <p>PF-129¹ Anti-rotational hook, (.75") male</p> <p>PF-291¹ Safety hook, (.75") male</p> <p>Fusing</p> <p>F1² Single fuse assembly</p> <p>F2^{2,3} Double fuse assembly</p> <p>Cords</p> <p>CD-3² 3' cord only</p> <p>CD-4² 4' cord only</p> <p>CD-5² 5' cord only</p> <p>CD-6² 6' cord only</p> <p>NEMA 3' 3 conductor cord and plug</p> <p>CDP-L5-15-X^{2,4} 120V</p> <p>CDP-L6-15-X^{2,4} 208V and 240V</p> <p>CDP-L7-15-X^{2,4} 277V</p> <p>CDP-L24-20-X^{2,4} 347V</p> <p>CDP-L8-20-X^{2,4} 480V</p> <p>PS HPS protected starter</p> <p>PHCB Power-hook cord for 120, 208, 240, 277 and 347 volt</p> <p>PHCB-L8-480 Power-hook cord for 480 volt only</p> <p>HFW Holoflex® flexible wiring system, handled through TSG</p> <p>S Single pack for electrical ship level</p> <p>W⁵ Wet location unit, pendant mount 40°C only</p> | <hr/> |
|---|-------|

See page 113-118 for definitions

- 1 Available with "P" mounting only, UL damp location, DN20NPT
- 2 Not available with "MT"
- 3 "08" and "40" only available with "Q" mounting
- 4 Order "PF" also. X = 3', 6', or 10', 3' (914mm) is standard length
- 5 Not available with "ER", "CDP", "PHCB", "F1" or "F2"

7 Accessories (Ships separately)

| | |
|---|-------|
| <p>LAMP Appropriate HID lamp supplied</p> <p>LOOP456 Loop, (.75") male</p> <p>PF-116-A Loop, (.75") female</p> <p>HOOK455 Safety hook, (.75") male</p> <p>PF-122-A Safety hook, (.75") female</p> <p>PF-129-A Anti-rotational hook, (.75") male;</p> <p>PF-291 Safety hook with gasketed strain relief cord connector, (.75") male</p> <p>Thru-way Power Hook</p> <p>UPH-35-XXX-WH Thru-way power-hook. NA with "480V", "Q" or "ER", insert voltage for XXX</p> <p>UPH-35-L8-480-WH 480V (only) Thru-way power-hook. NA with "ER" or "Q"</p> <p>UPH-36-XXX-WH Pendant power-hook. NA with "480V", "Q" or "ER", insert voltage for XXX</p> <p>UPH-36-L8-480-WH 480V (only) Pendant power-hook. NA with "ER" or "Q"</p> | <hr/> |
|---|-------|

See page 113-118 for definitions

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

LOW BAY LIGHTING Enduralume® V

EN

The Enduralume V luminaire is an efficient, low brightness unit for lighting both commercial and industrial areas. Whether it be schools, food processing areas or warehouses, this is a great luminaire in terms of energy efficiency and safety.

The enclosed and gasketed luminaire is available with either a prismatic glass or acrylic refractor. Both optics provide a wide spread distribution. The reflector top combined with the prismatic bottom allows minimal uplight while still maintaining good, vertical footcandles.

The fixture is UL/CUL listed for 40° or 55°C damp location as standard with an optional 40°C wet location for the pendant version.

FEATURES:

- Choice of factory set light distributions
- Die cast aluminum housing
- Corrosion resistant paint
- Thermal shock resistant optics
- UL/CUL listed 40°C or 55°C, damp location



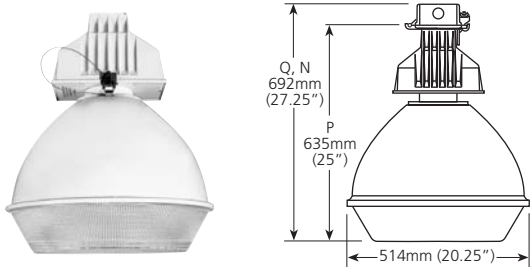
Example: EN 400HP 12 P 8 F1 PF-291

How to Construct a Catalog Number:

| EN | 400HP | 12 | P |
|-----------------|---|---|---|
| 1 | 2 | 3 | 4 |
| LUMINAIRE | SOURCE AND WATTAGE | VOLTAGE | MOUNTING |
| EN Enduralume V | HIGH PRESSURE SODIUM 250HP 250W HPS 400HP 400W HPS Energy Saving 25LHP 250W HPS 40LHP 400W HPS METAL HALIDE 175MH 175W MH 250MH 250W MH 400MH 400W MH Energy Saving 25LMH 250W MH 40LMH 400W MH PULSE START METAL HALIDE 175PM 175W MH 250PM 250W MH 320PM 320W MH 350PM 350W MH 400PM 400W MH Energy Saving 25LPM 250W PS MH 35LPM 350W PS MH 40LPM 400W PS MH Elite Series Electronic Ballast 320PME 320W MH 350PME 350W MH 400PME 400W MH | 08 ¹ 208V 40 ¹ 240V 12 120V 20 208V 24 240 27 277V 34 347V 48 480V Multi-voltage MA Prewired for 120V MB Prewired for 208V MC Prewired for 240V MC Prewired for 277V MT Multi-voltage VT ² Vari-tap | P Pendant mount, 175" NPT conduit Q Quick disconnect power hanger N No quick disconnect power hanger |

1 Must be handled through TSG
 2 Available with 250HP, 250MH, 250PM, 25LPM, 320PM, 35LPM, 350PM, 400HP, 400MH only

EN | Enduralume V



Maximum Weight: 17 kg. (38 lbs.)



**INDUSTRIAL
LOW BAY LIGHTING**

Enduralume® V



| 8 | F1 | PF-291 |
|---|--|--------------------|
| 5 | 6 | 7 |
| OPTICS | OPTIONS | ACCESSORIES |
| 7 Acrylic lens (40°C) 8 Prismatic glass refractor (55°C) | See below | See below |
| 6 Options (Factory installed) | | |
| 09160-X | Safety chain. (X = no. of feet), 3 feet is standard length | |
| EM | Standby lighting fixture | |
| ER | Emergency lighting fixture, not available with "Q" | |
| Hooks | | |
| LP¹ | Loop, (.75") male | |
| HK¹ | Safety hook, (.75") male | |
| PF-129¹ | Anti-rotational hook, (.75") male | |
| PF-291¹ | Safety hook, (.75") male | |
| Fusing | | |
| F1² | Single fuse assembly | |
| F2^{2, 3} | Double fuse assembly | |
| Cords | | |
| CD-3² | 3' cord only | |
| CD-4² | 4' cord only | |
| CD-5² | 5' cord only | |
| CD-6^{2, 3} | 6' cord only | |
| NEMA 3¹ 3 conductor cord and plug | | |
| CDP-L5-15-X^{2, 4} | 120V | |
| CDP-L6-15-X^{2, 4} | 208V and 240V | |
| CDP-L7-15-X^{2, 4} | 277V | |
| CDP-L24-20-X^{2, 4} | 347V | |
| CDP-L8-20-X^{2, 4} | 480V | |
| PS | HPS protected starter (HPS only) | |
| PHCB | Power-hook cord for 120, 208, 240, 277 and 347 volt | |
| PHCB-L8-480 | Power-hook cord for 480 volt | |
| HFW | Holoflex® flexible wiring system, handled through TSG | |
| Individually sensed high bay | | |
| ISA^{2, 5} | Individually sensed high bay, aisle away sensor | |
| ISR^{2, 5} | Individually sensed high bay, 360° round sensor | |
| LL | Latch lock safety clip | |
| S | Single pack for electrical ship level | |
| W⁶ | Wet location unit, pendant mount 40°C only | |

See page 113-118 for definitions

- 1 Available with "P" mounting only, UL damp location, DN20NPT
- 2 Not available with "MT"
- 3 "08" and "40" only available with "Q" mounting
- 4 Order "PF" also. X = 3', 6', or 10', 3' (914mm) is standard length, three conductor cord and NEMA plug
- 5 Not available with mogul base units (070HP, 170DHP, 15AHP, 175MH/PM)
- 6 Not available with "ER", "CDP", "PHCB", "F1" or "F2"

7 Accessories (Ships separately)

| | |
|-------------------------------------|---|
| LAMP | Appropriate HID lamp supplied |
| HOOK455¹ | Safety hook, (.75") male |
| LOOP456¹ | Loop, (.75") male |
| PF-116-A¹ | Loop, (.75") female |
| PF-122-A¹ | Safety hook, (.75") female |
| PF-129-A¹ | Anti-rotational hook, (.75") male |
| PF-291² | Safety hook with gasketed strain relief cord connector, (.75") male |
| Thru-way power-hook | |
| UPH-35-XXX-WH¹ | Thru-way power-hook, insert voltage for XXX |
| UPH-35-L8-480-WH³ | 480V Thru-way power-hook |
| UPH-36-XXX-WH¹ | Pendant power-hook, insert voltage for XXX |
| UPH-36-L8-480-WH³ | 480V Pendant power-hook |
| WG-221 | Wire guard for optics |

See page 113-118 for definitions

- 1 Not available with "480V", "Q", or "ER"
- 2 Pendant mount only
- 3 Available with "480V" only

Contact your local sales rep for the most current option and accessory compatibility.

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

INDUSTRIAL

Demanding Environments

Food Processing and Wet Locations

Holophane provides exceptional lighting solutions to withstand harsh conditions found in food, meat, poultry and beverage processing applications as well as car washes and other harsh non-hazardous environments.

- *Uniformly illuminated environment*
- *Easy installation and maintenance*
- *Enhances product appearance*
- *Cut energy while brightening environment*



Energy costs slashed by 50 percent:
Danish Creamery; Fresno, California



Uniform illumination enhances environment:
Hunt Wesson, Inc.; Fullerton, California



Lighting boosts product quality:
Grimmway Farms; Bakersfield, California

Carrot juice must have the right color to make the grade, which is why good lighting was a major factor when Grimmway Farms constructed its new 38,000-square-foot carrot juice extraction plant in Bakersfield, California.

"We look at the color of the juice and the carrots feeding into the equipment. Because juice is graded on taste and color, we must be able to inspect details," explained Craig Chapman, Grimmway Farms facilities designer. Uniform illumination also facilitates equipment monitoring. Because of sanitation requirements, the fixtures also must be capable of being washed down for effective cleaning.

The lighting system installed is Vantage® luminaire, which is designed specifically for the food processing industry. "We wanted a lighting system that would effectively perform in an environment with high levels of humidity," said Chapman. "Due to the acid content of the carrots, the plant's atmosphere is extraordinarily corrosive. The Vantage units are not only corrosion-resistant, but have a smooth, rounded ballast housing without the nooks and crannies or latches that can collect contaminants. As an added benefit, they have an attractive overall appearance."



Lighting solutions...



Strict Requirements met:

U.S. Sugar; Clewiston, Florida

U.S. Sugar recently constructed a new four-story, 250,000-square-foot sugar processing and shipping facility in Clewiston, Florida. The plant converts raw sugar into a final packaged product shipped by rail and truck.

Because of the nature of the operation and the food safety issues involved, when a lighting system was selected, fixtures had to be approved by the American Institute of Baking (AIB). They also had to meet Current Good Manufacturing Practices (CGMP) guidelines, which indicate that glass refractors cannot be used above the processing and packaging areas.

"When we considered the various requirements for the lighting system, our options were limited," said Jason Poissonnier, senior engineering associate, Stone & Webster Engineering Corporation, Atlanta.

The lighting system installed in most of the production areas is Holophane Vantage® Luminaires with 400 watt metal halide lamps. Vantage fixtures are designed specifically for the food industry and feature a high temperature acrylic reflector/refractor optical assembly with a smooth, round ballast housing to eliminate collection of contaminants. The units include an element of uplight to illuminate the ceiling, eliminating the "tunnel effect" that can occur in areas with a high, dark ceiling.



Hazardous

Holophane fixtures deliver optimal, efficient lighting performance in Class I, II and III hazardous areas. Rugged prismatic glass optics produce controlled light distributions, efficiently placing light only where needed.

Robust materials and design characterize Holophane hazardous area lighting products, delivering maximum performance in hostile, corrosive environments. Available in a choice of low to medium wattage HID lamps, Holophane hazardous area lighting fixtures operate in a broad range of ambient temperature conditions.

- **Efficient light distribution**
- **Ideal for indoor and outdoor applications**
- **Available in low to medium wattage HID lamps**
- **Listed for wet and marine locations**
- **Delivers maximum performance in hostile environment**

Typical applications for Holophane hazardous area lighting products include bulk storage facilities and production process areas. Holophane hazardous area lighting fixtures, listed for wet and marine locations, are ideal for both indoor and outdoor applications.

These products provide the solutions to insure optimum light distributions, safe and reliable performance and economical operation. Holophane can readily meet both general and specific design requirements for demanding industrial projects.

HOLOPHANE®

DEMANDING ENVIRONMENTS Vantage® Series

VA | VH | VK

The Vantage Series of luminaires are designed to meet the needs of food processing plants and other areas requiring a hose-down luminaire. The smooth, sloped exterior sheds water and prevents contaminants from adhering to the exterior. The gasket between the optic and the housing as well as the gasket surrounding the re-lamp plate prevent hose spray from entering the luminaire.

The combination acrylic reflector/refractor provides enough uplight to create a uniformly lit area while still providing adequate light levels on the task. Available in MH and HPS and with standard and low loss ballasts.

FEATURES:

- Unique high temperature acrylic optics
- Two distinct distributions
- Access door for easy relamping
- High pressure hose down rated
- UL/CUL listed 40°C, damp/wet location

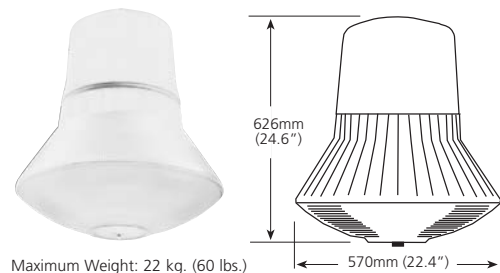


Example: VA 400MH 12 N CA LAMP

How to Construct a Catalog Number:

| VA 1 | 400MH 2 | 12 3 | N 4 |
|--|--|---|---|
| LUMINAIRE | SOURCE AND WATTAGE | VOLTAGE | OPTICS |
| VA ² Vantage VH ^{1,2} Vantage, hazardous VK ² Vantage downlight 1 Hazardous Class II, Div. 2, Group F & G, UL Listed 844 2 Standard color is white, CUL listed. Rated 40°C damp/wet location | VA and VH HIGH PRESSURE SODIUM 250HP 250W HPS 400HP 400W HPS Energy Saving 25LHP 250W HPS 40LHP 400W HPS VA, VH and VK METAL HALIDE 250MH ¹ 250W MH 400MH 400W MH Energy Saving 25LMH ¹ 250W MH 40LMH 400W MH PULSE START METAL HALIDE 250PM ¹ 250W MH 320PM 320W MH 350PM 350W MH 400PM 400W MH Energy Saving 25LPM ¹ 250W PS MH 35LPM 350W PS MH 40LPM 400W PS MH 1 All units 40°C ambient except 250W VK is 55°C ambient listed | 08 ^{1,2} 208V 40 ^{1,2} 240V 12 120V 20 208V 24 240V 27 277V 34 ² 347V 48 480V Multi-voltage MA Prewired for 120V MB Prewired for 208V MC Prewired for 240V MD Prewired for 277V MT Multi-voltage VT ³ Vari-tap 1 Must be handled through TSG 2 Not available with "VH" 3 "CDP", "CDW", and fusing must be handled through TSG | N ¹ Narrow distribution W Wide distribution 1 NA with 400MH, 40LMH, 350PM, 35LPM, 400PM, or 40LPM on "VA" and "VH" |

VA | VH | Vantage Series



VK | Vantage Series





**INDUSTRIAL
DEMANDING
ENVIRONMENTS**

FOOD PROCESSING

Vantage® Series



VA and VH



VK

CA

5

OPTIONS (FACTORY INSTALLED)

| | |
|--|--|
| CA | Anodized finish for housing (NA with VK) |
| EM | Standby lighting fixture, all units 40° ambient (NA with VH) |
| ER | Emergency lighting fixture, all units 40° ambient (NA with VH) |
| F1 | Single fuse assembly, not available with "MT" |
| F2 | Double fuse assembly, not available with "MT" |
| PS | HPS protected starter |
| PF-291 | Universal gasketed hook assembly |
| S | Single pack for electrical only |
| Cord and Daniel Woodhead Watertite plug for wet locations | |
| CDPW-L5-15-X | 120V, PF-291 included. NA with "MT"; X = length of cord in feet. 6 ft. is standard (NA with VH) |
| CDWP-L6-15-X | 208/240V, PF-291 included. NA with "MT"; X = length of cord in feet. 6 ft. is standard (NA with VH) |
| CDPW-L7-15-X | 277V, PF-291 included. NA with "MT"; X = length of cord in feet. 6 ft. is standard (NA with VH) |
| CDW-X | Cord and hook. PF-291 included. NA with "MT"; X = length of cord in feet. 6 ft. is standard (NA with VH) |

See page 113-118 for definitions

LAMP

6

ACCESSORIES

See below

6 Accessories (Ships separately)

| | |
|--|------------------------------|
| B721DOORHID-A | Optical door assembly |
| LAMP | Appropriate HID lamp shipped |
| Cord and Daniel Woodhead Watertite plug for wet locations | |
| CDCW-L5-15-3¹ | 120V, (NA with VH) |
| CDCW-L6-15-3¹ | 208/240V, (NA with VH) |
| CDCW-L7-15-3¹ | 277V, (NA with VH) |

See page 113-118 for definitions

¹ For length longer than 3' handle through TSG. VT available with "CDW" or "CDCW"

Contact your local sales rep for the most current option and accessory compatibility.

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The Vantage ALT luminaire is an acrylic lenses luminaire designed for the food process industry and other areas where glass is not allowed. Available with either an aluminum cover with acrylic refractor for focused downlight, or a combination reflector/refractor for up to 15% upright, this luminaire can be used in multiple applications.

Excellent photometric distributions allow this luminaire to be mounted at a variety of mounting heights. Vantage ALT is available in MH and HPS and with standard and low loss ballasts.

DEMANDING ENVIRONMENTS

Vantage® ALT

AT


FEATURES:

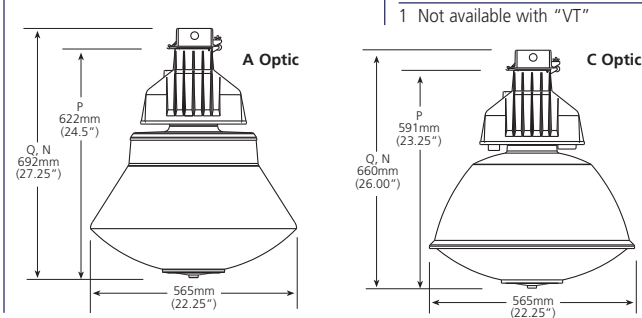
- Die cast aluminum ballast housing
- High temperature acrylic optics
- Ease of maintenance
- Corrosion resistant finish
- UL/CUL listed 55°C, damp location



Example: AT 400MH 27 Q N A F1 PF-291

How to Construct a Catalog Number:

| 1 | 2 | 3 | 4 |
|---|--|---|---|
| LUMINAIRE | SOURCE AND WATTAGE | VOLTAGE | MOUNTING |
| AT Vantage ALT | HIGH PRESSURE SODIUM 250HP 250W HPS 400HP 400W HPS Energy Saving 25LHP 250W HPS 40LHP 400W HPS METAL HALIDE 250MH 250W MH 400MH 400W MH Energy Saving 25LMH 250W MH 40LMH ¹ 400W MH PULSE START METAL HALIDE 250PM 250W MH 320PM 320W MH 350PM 350W MH 400PM ¹ 400W MH Energy Saving 25LPM 250W PS MH 35LPM 350W PS MH 40LPM ¹ 400W PS MH | 08 ¹ 208V 40 ¹ 240V 12 120V 20 208V 24 240 27 277V 34 347V 48 480V Multi-voltage MA Prewired for 120V MB Prewired for 208V MC Prewired for 240V MC Prewired for 277V MT Multi-voltage VT ² Vari-tap | Standard P Pendant mount, .75" NPT conduit Q Quick disconnect power hanger N No quick disconnect power hanger Hooks with Holoflex® II Wiring System C ¹ Steel hook and cord H ¹ Steel hook and cord with NEMA Twist-off plug S ^{2,3} Steel hook and selectable cord drop T ^{2,3} PF-455 cast hook and selectable cord drop |
| <p>AT Vantage ALT</p>  <p>Maximum Weight: 16 kg. (36 lbs.)</p> | | | <p>¹ Not available with "F2" or "MT" ² CUL listed, dry location only ³ Not available with "40" or "MT"</p> |



8 Accessories (Ships separately)

| | |
|----------------------------|--|
| B721DOORHID | Optical door assembly |
| LAMP | Appropriate HID lamp supplied |
| HOOK455 | Safety hook, (.75") male |
| LOOP456 | Loop, (.75") male |
| PF-116-A | Loop, (.75") female |
| PF-122-A | Safety hook, (.75") female |
| PF-129-A | Anti-rotational hook, (.75") male |
| PF-291 | Safety hook (.75") male |
| Thru-way Power-hook | |
| UPH-35-XXX-WH | Thru-way power-hook. NA with "480V", "ER", "C", "H", "S", or "T", insert voltage for XXX |
| UPH-35-L8-480-WH | 480V Thru-way power-hook. NA with "ER", "C", "H", "S", or "T", insert voltage for XXX |
| UPH-36-XXX-WH | Pendant power-hook. NA with "480V", "ER", "C", "H", "S", or "T", insert voltage for XXX |
| UPH-36-L8-480-WH | 480V pendant power-hook. NA with "ER", "C", "H", "S", or "T", insert voltage for XXX |
| PS-100 | Replacement protected starter |

See page 113-118 for definitions



INDUSTRIAL
DEMANDING
ENVIRONMENTS
FOOD PROCESSING
Vantage® ALT



| N 5 | A 6 | F1 7 | PF-291 8 |
|--|--|-----------|-------------|
| CORD LENGTH | OPTICS | OPTIONS | ACCESSORIES |
| N1 None R2 3 feet F3 5 feet S2 6 feet T1 10 feet 1 Must be used with "P", "Q" or "N" mounting 2 NA with "P", "Q", "N", "S" or "T" mounting 3 Available with "S" or "T" mounting only | A Acrylic reflector/refractor C Painted aluminum reflector with acrylic refractor | See below | See page 96 |

7 Options (Factory installed)

| | |
|---|--|
| CD-X | Cord only. Insert 3, 4, or 6 for "X" |
| F1 | Single fuse assembly, not available with "MT" |
| F2 | Double fuse assembly not available with "MT", "08" and "40" available with "Q" mounting only |
| H | HALT® Automatic lamp time-out. Not available with "EM" or "ER". UL/CUL 30°C listing |
| Hooks | |
| LP | Loop, male, conduit thread male |
| HK | Safety hook, conduit thread male |
| PF-129 | Anti-rotational hook, conduit thread male |
| PF-291 | Safety hook, conduit thread male |
| 3 Conductor, 3' Cord and NEMA Plug | |
| CDP-L5-15-X | 120V, order "PF" also, (X = No. of feet. 3 ft is standard) |
| CDP-L6-15-X | 208/240V, order "PF" also, (X = No. of feet. 3 ft is standard) |
| CDP-L7-15-X | 277V, order "PF" also, (X = No. of feet. 3 ft is standard) |
| CDP-L24-20-X | 347V, order "PF" also, (X = No. of feet. 3 ft is standard) |
| CDP-L8-20-X | 480V, order "PF" also, (X = No. of feet. 3 ft is standard) |
| Individually Sensored High Bay | |
| 15A | For aisle-way sensor, available with "N" mounting only |
| 15R | For 360° round sensor, available with "N" mounting only |
| EM | Standby lighting fixture |
| ER | Emergency lighting fixture, available with "N" and "P" mounting only |
| PS | HPS protected starter |
| PHCB | Power-hook cord, available with "N" mounting only |
| PHCB-L8-480 | Power-hook cord for 480V, available with "N" mounting only |
| S | Single pack, electrical ship level |
| TD | Standby lighting fixture. Not available with "EM" or "ER". UL/CUL 30°C listing |
| CX | Safety chain. Insert 3, 6 or 10 for X |
| Safety Chains | |
| C3 | 3' Chain |
| C6 | 6' Chain |
| C10 | 10' Chain |

See page 113-118 for definitions

Contact your local sales rep for the most current option and accessory compatibility.

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The Vantage Mini is a low profile luminaire that is the optimal solution where maintenance, sanitation, safety, and energy conservation are key concerns. The Vantage Mini's rugged construction is designed for longevity and ease of maintenance in the harshest of environments. This sealed and gasketed luminaire meets the rigorous requirements needed in the food processing and beverage industry.

DEMANDING ENVIRONMENTS Vantage® Mini

V

FEATURES:

- 70W to 175W
- High temperature acrylic optics
- Bottom access door
- Smooth sloped flanges
- 3500 psi wash down rated
- Hazardous Version
- Class I, Div. 2, Groups A, B, C, & D
- Class II, Div. 2, Groups F & G
- Class III, Div. 1 & 2



Example: V C 10DHP 27 EM LAMP

How to Construct a Catalog Number:

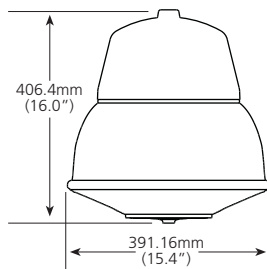
| V 1 | C 2 | 10DHP 3 | 27 4 |
|---|---|--|--|
| LUMINAIRE | TYPE | SOURCE AND WATTAGE | VOLTAGE |
| V Vantage Mini | <p>C Cutoff, painted aluminum reflector with acrylic refractor</p> <p>U Uplight, acrylic reflector/refractor</p> <p>Z Hazardous</p> | <p>HIGH PRESSURE SODIUM</p> <p>70DHP 70W HPS, medium base</p> <p>10DHP 100W HPS, medium base</p> <p>15DHP 150W HPS, medium base</p> <p>METAL HALIDE</p> <p>70DMH 70W HPS, medium base</p> <p>10DMH 100W MH, medium base</p> <p>15DMH 150W MH, medium base</p> <p>17DMH 175W MH, medium base</p> <p>PULSE START METAL HALIDE</p> <p>17DPM 175W MH, medium base</p> <p>COMPACT FLUORESCENT¹</p> <p>42CFL 42W CFL</p> <p>57CFL 57W CFL</p> <p>INDUCTION¹</p> <p>55WQL 55W QL, 35°C ambient for full rated life</p> | <p>08¹ 208V</p> <p>40¹ 240V</p> <p>12 120V</p> <p>20 208V</p> <p>24 240</p> <p>27 277V</p> <p>34 347V</p> <p>48 480V</p> <p>Multi-voltage</p> <p>MA Prewired for 120V</p> <p>MB Prewired for 208V</p> <p>MC Prewired for 240V</p> <p>MD Prewired for 277V</p> <p>MT Multi-voltage, 120, 208, 240, 277V</p> <p>VT² Vari-tap, 120, 277, 347V</p> |
| <p>¹ Isolated secondary, CUL, handled through TSG</p> <p>² Available with "17DPM", VCDW, fusing, VCDP through TSG</p> | | | |

1 Not available with "VZ"

VC | Vantage Mini



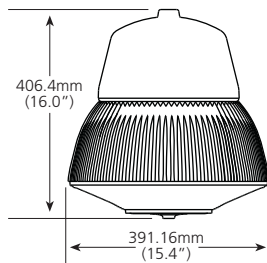
Maximum Weight: 9.07 kg. (20 lbs.)



VU | Vantage Mini



Maximum Weight: 9.07 kg. (20 lbs.)





INDUSTRIAL
DEMANDING
ENVIRONMENTS
FOOD PROCESSING
Vantage® Mini



VC



VU, VZ

EM

5

OPTIONS (FACTORY INSTALLED)

- CA** Anodized finish for housing
- EM⁶** Standby lighting fixture
- ER^{1,6}** Emergency lighting fixture
- F1²** Single fusing
- F2²** Double fusing
- PF-291⁶** Universal gasketed hook
- PS⁵** Protected starter
- S** Single pack
- SM** Stanchion arm mount
- WM** Wall mount

Daniel Whitehead Watertite Plugs

- VCDPW-L5-15-X^{1,2,3,6}** 120V
- VCDPW-L6-15-X^{1,2,3,6}** 208/240V
- VCDPW-L7-15-X^{1,2,3,6}** 277V
- VCDW-X^{2,3,6}** Cord and hook

See page 113-118 for definitions

- 1 Not available with "MT"
- 2 Includes "PF-291". X = length of cord in feet, 6' is standard, not available with "MT"
- 3 Not available with "W", "SM", "WM" or "VCDW"
- 4 Not available with "PF-291", "VCDW" or "VCDPW"
- 5 HPS units only
- 6 Not available with "Z"

LAMP

6

ACCESSORIES (SHIPS SEPARATELY)

- B721DOORHID-B** Optical door assembly
- LAMP** Appropriate lamp shipped
- REPL-VU** Uplight optical assembly
- REPL-VC²** Cutoff optical assembly
- Daniel Whitehead Watertite Plugs**
- CDCW-L5-15-X¹** 120V cord and connector
- CDCW-L6-15-X¹** 208/240V cord and connector
- CDCW-L7-15-X¹** 277V cord and connector

See page 113-118 for definitions

- 1 For lengths longer than 3' order through TSG, "X" = length in feet
- 2 Not available with "Z"

HOLOPHANE®

There are certain requirements which must be met in order to effectively light a food processing space. Holophane's Vantage RTT luminaire was designed to blend seamlessly into applications with insulated metal panels. This luminaire was designed to provide efficiency, uniformity, and ease of maintenance unparalleled by any alternative. The RTT is the right product for recessed application in the food processing industry.

DEMANDING ENVIRONMENTS

Vantage® RTT

RTT

FEATURES:

- 100W to 400W
- Miro® 4 optical assembly
- Heavy gauge aluminum housing
- Stainless steel door frame
- Top access to lamp and ballast
- 500 psi wash down rated

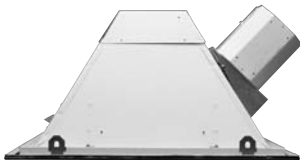


Example: RTT 250MH 27 F EM

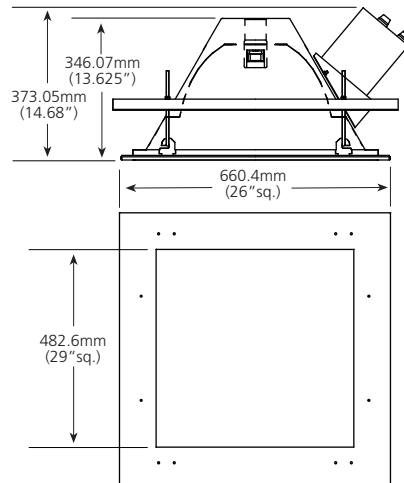
How to Construct a Catalog Number:

| 1 | 2 | 3 | 4 |
|-----------------|--|--|-------------|
| LUMINAIRE | SOURCE AND WATTAGE | VOLTAGE | OPTICS |
| RTT Vantage RTT | METAL HALIDE 10DMH 100W MH, medium base 15DMH 150W MH, medium base 175MH 175W MH, mogul base 250MH 250W MH, mogul base 400MH 400W MH, mogul base PULSE START METAL HALIDE 175PM 175W MH, mogul base 250PM 250W MH, mogul base 320PM 320W MH, mogul base 350PM 350W MH, mogul base 400PM 400W MH, mogul base | 12 120V 20 208V 24 240 27 277V 34 347V | F Flat lens |

RTT | Vantage RTT



Maximum Weight: 24.04 kg. (53 lbs.)

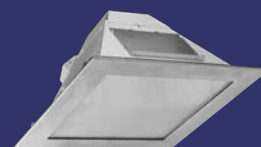
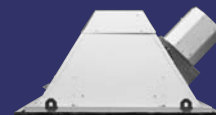




**INDUSTRIAL
DEMANDING
ENVIRONMENTS**

FOOD PROCESSING

Vantage® RTT



EM

5

OPTIONS (FACTORY INSTALLED)

- EM** Standby lighting fixture
- F1¹** Single fusing
- F2²** Double fusing

See page 113-118 for definitions

- ¹ Available with 12, 24, 27 and 34 voltage only
- ² Available with 20 and 24 voltage only

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The Vantage XT tubular fluorescent luminaire provides the best solution to withstand harsh conditions found in food, meat, poultry and beverage processing applications as well as car washes and other harsh non-hazardous environments.

The combination acrylic reflector/refractor provides enough uplight to create a uniformly lit area while still providing adequate light levels on the task.

DEMANDING ENVIRONMENTS

Vantage® XT

XT

FEATURES:

- T-8 32W to T8 44W electronic rapid start or instant start ballast provides energy efficiency
- Unique double barrier endcap
- High impact DR acrylic lens
- 3500 psi wash down rated

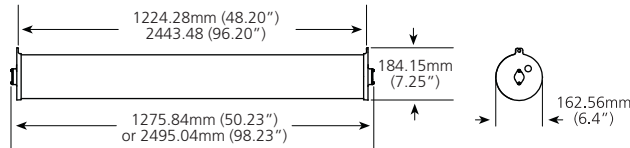
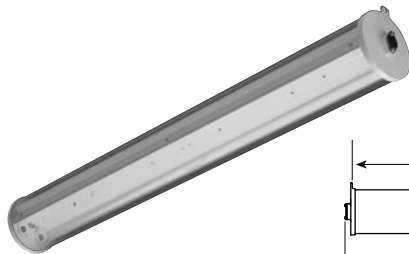


Example: XT 2 T832F 12 IS W B3

How to Construct a Catalog Number:

| 1 | 2 | 3 | 4 |
|--------------------------------|---------------|--|---|
| LUMINAIRE | LAMP QUANTITY | SOURCE AND WATTAGE | VOLTAGE |
| XT Vantage XT, 40°C CUL listed | 2 2 Lamps | 4 Foot, 2 lamp T832F T8, 32 Watt T240F T12, 40 Watt T260F T12, 60 Watt HO T844F T8, 44 Watt HO 8 Foot, 2 lamp T211E T12, 110 Watt HO T886E T8, 86 Watt HO | 12 120V 27 277V 34 347V MV Multi-voltage 120 - 277V, "IS" ballast only |

XT | Vantage XT



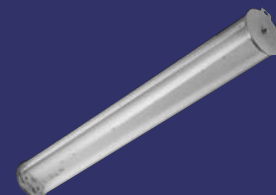
Maximum Weight:
 4' Luminaire: 6.35 kg. (14 lbs.)
 8' Luminaire: 12.70 kg. (28 lbs.)



**INDUSTRIAL
DEMANDING
ENVIRONMENTS**

FOOD PROCESSING

Vantage® XT



IS

5

BALLAST

- IS** T8 electronic instant start ballast, <=10% THD (T832F only, not available with 12 or 27)
- RS** T8 electronic rapid start ballast, <=10% THD (T832F and T844F only)
- EB** Electronic ballast, <=20% THD
- CT** T12 HO cold weather ballast - 20°F (T260F and T211E only), not available with 347V)

W

6

END CAP COLOR

- A** Burnished aluminum
- S** White

B3

7

OPTIONS (FACTORY INSTALLED)

- IF** Internal fusing
- CP** Brad Harrison 5ft 16/3 cord & plug set
- CD** 6ft gray cord
- Emergency Battery Packs**
- Normal AC operation**
- B3** 300 lumens
- B5** 500 lumens
- B6** 600 lumens
- B14** 1400 lumens

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

DEMANDING ENVIRONMENTS

Petrolux II | Petrolume

Indoor/Outdoor Luminaires, Listed UL 844 Hazardous and UL 595 Marine Outside

Hazardous Applications

Enclosed and gasketed units are available for use in Class I, Div. 2; Class II, Div. 1 & 2, and Class III hazardous locations. Units tested and approved in elevated ambients and specially labeled (UL Std. 844, File No. E12267). Areas where Petrolux II is best suited include refineries, coal handling and grain handling facilities, power plant conveyor systems, and walkways.

UL 595 Marine Outside Applications

Petrolux II luminaires are listed by UL as meeting UL 595 marine outside requirements thus making them an excellent choice for docks, sea ports, ship terminals, harbors, river ports, paper mills, and other areas where salt moisture exists.

Advantages

Petrolux II combines the efficiency of low and medium wattage HPS and metal halide lamps with the safe enclosed and gasketed design required for hazardous locations. Indoors or out, specify Petrolux II for Class I, Div. 2; Class II, Div. 1 & 2; or Class III and be sure of securing a luminaire that's UL listed for your precise application.

Petrolux II Refractor Luminaires

Petrolux II refractor units are totally enclosed and gasketed and are available in symmetrical, asymmetrical, and long and narrow distributions for either general lighting or hazardous lighting applications.

Asymmetrical refractor series is designed for lighting narrow areas, such as walkways, loading platforms, and parking structures. It allows spacing up to 2 1/2 times as far apart as clear globe units.

Symmetrical refractor series is ideal for lighting general areas such as open storage. The refractor directs more light downward and outward, reducing the number of luminaires required to achieve a given light level by as much as one third.

Petrolux II Reflector Luminaires

The economical operation of Petrolux II is due to its prismatic glass reflector, designed specifically for optimum control of the short-arc lamps.

A choice of two reflector optical assemblies is available to meet each specific lighting task. The closed bottom, enclosed and gasketed units are designed for indoor and outdoor areas requiring general lighting or hazardous location lighting.

Class I, Division 2 Groups A, B, C, and D Hazardous Locations

UL Standard 844 and UL 595, File No. E12267

Petrolux II fixtures are UL listed for use in Class I, Division 2 hazardous locations. They have been designed and tested in accordance with UL Standard 844 and UL 595 therefore they are in compliance with Article 501-9 (b) (2) of the 1999 N.E.C. specifically "...tested in order to determine the marked operating temperature or temperature range."

Class II, Division 1 & 2 Groups E, F, and G Class III Hazardous Locations

UL Standard 844 and UL 595, File No. E12267

Petrolux II fixtures are UL listed for use in Class II, Division 1 & 2, and Class III hazardous locations. They have been designed and tested in accordance with UL Standard 844 and UL 595.

Class II fixtures will exclude dust from the inside of the enclosure, and will function at full rating without developing surface temperatures high enough to cause excessive dehydration or gradual carbonization of any organic dust deposits that may build up. Maximum surface temperatures will not exceed 200°C (392°F) groups E and F, 165°C (329°F) group G under normal conditions of use.

Class III fixtures will exclude fibers or flyings from the inside of the enclosure, and will function at full rating without developing surface temperatures high enough to cause excessive dehydration or gradual carbonization of accumulated fibers or flyings. The maximum surface temperature will not exceed 165°C (329°F) under normal conditions of use.

Each fixture is marked to indicate the maximum wattage of the lamp for which it is approved.

Definitions of Hazardous Locations

Class I, Division 1

A Class I, Division 2 location is a location: (1) in which ignitable concentrations of flammable gases or vapors can exist under normal operating conditions; or (2) in which ignitable concentrations of such gases or vapors may exist frequently because of repair or maintenance operations or because of repair or maintenance operations or because of leakage; or (3) in which breakdown or faulty operation of equipment or processes might release ignitable concentrations of flammable gases or vapors, and might also cause simultaneous failure of electric equipment.

Class I, Division 2

A Class I, Division 2 location is a location: (1) in which volatile flammable liquids or flammable gases are handled, processed, or used, but in which the liquids, vapors, or gases will normally be confined within closed containers or closed systems from which they can escape only in case of accidental rupture or breakdown of such containers or systems, or in case of abnormal operation of equipment; or (2) in which ignitable concentrations of gases or vapors are normally prevented by positive mechanical ventilation, and which might become hazardous through failure or abnormal operation of the ventilating equipment; or (3) that is adjacent to a Class I, Division 1 location, and to which ignitable concentrations of gases or vapors might occasionally be communicated unless such communication is prevented by adequate positive-pressure ventilation from a source of clean air, and effective safeguards against ventilation failure are provided.

Class II, Division 1

A Class II, Division 1 location is a location: (1) in which combustible dust is or may be in suspension in the air continuously, intermittently, or periodically under normal operating conditions, in quantities sufficient to produce explosive or ignitable mixture; (2) where mechanical failure or abnormal operation of machinery or equipment might cause such explosive or ignitable mixtures to be produced, and might also provide a source of ignition through simultaneous failure of electrical equipment, operation of protection devices, or from other causes; or (3) in which combustible dusts of an electrically conductive nature may be present.

Class II, Division 2

A Class II, Division 2 location is a location in which combustible dust will not normally be in suspension in the air, or will not be likely to be thrown into suspension by the normal operation of equipment or apparatus in quantities sufficient to produce explosive or ignitable mixtures, but: (1) where deposits or accumulations of such combustible dust may be sufficient to interfere with the safe dissipation of heat from electrical equipment or apparatus; or (2) where such deposits or accumulations of dust on, in, or in the vicinity of electrical equipment might be ignited by arcs, sparks, or burning material from such equipment.

Class III, Division 1 & 2

Class III locations are those that are hazardous because of the presence of easily ignitable fibers or flyings, but in which such fibers or flyings are not likely to be in suspension in the air in quantities sufficient: to produce ignitable mixtures.

Summary of Hazardous Atmospheres

| Class | Division | Group | Typical atmosphere/ (ignition temperatures) | Temperature measured |
|---|-----------------------------------|-------|---|---|
| I Gases, vapors | 2 Not normally hazardous | A | Acetylene (305°C, 581°F) | Maximum interior temperature in 40°C ambient |
| | | B | Hydrogen (400 °C, 752°C) manufactured gases and equivalent, containing more than 30% hydrogen (by volume) | |
| | | C | Ethylene (450°C, 842°F) Cyclopropane (503°C, 938°F) | |
| | | D | Hexanes (225°C, 437°F) Butane (288°C, 550°F) Propane (450°C, 842°F) Acetone (465°C, 869°F) Benzol (498°C, 928°F) Gasoline (225°C, 437°F) 50-60 Octane (280°C, 536°F) 100 Octane (465°C, 853°F) | |
| II Com- bustible dusts | 1 Normally hazardous | E | Metal dust incl. alumin. magnes., and their commercial alloys, and other metals of similar hazardous characteristics | Max. ext. surface temp. in 40°C ambient with a dust blanket |
| | | F | Carbon black, coal, coke dust | |
| | 2 Not normally hazardous | G | Flour, starch, grain dusts Same as Division 1 | Max. ext. surface temp. under normal conditions of use |
| III Easily ignitable fibers and flyings | 1 & 2 | | Textile mills, combustible fibers rayon, cotton, etc. | Same as Class II, Division 2 |

HOLOPHANE®

Petrolux II hazardous fixtures deliver optimal, efficient performance in Class I and II environments. Rugged prismatic glass optics produce controlled light distributions, efficiently placing light only where needed. Robust materials and design characterize Holophane hazardous area lighting products, delivering maximum performance in hostile, corrosive environments.

Holophane hazardous fixtures, listed for wet and marine locations, are ideal for both indoor and outdoor applications.

DEMANDING ENVIRONMENTS Petrolux® II

PETL

FEATURES:

- Choice of light distributions
- Variety of mounting methods
- Enclosed and gasketed reflectors available
- UL Class I, Div 2 and Class II Div 1 and 2
- UL/CUL listed 40°C or 55°C, damp/wet location

Example: PETL 250MH 12 521 PD PS F1



How to Construct a Catalog Number:

| PETL 1 | 250MH 2 | 12 3 | 521 4 |
|--|--|--|--|
| LUMINAIRE | SOURCE AND WATTAGE | VOLTAGE | OPTICS |
| <p>PETL Petrolux PETL, hazardous locations</p> <p>PETL Petrolux II Small Glass Refractor</p> <p>Maximum Weight: 12 kg. (27 lbs.)</p> <p>PETL Petrolux II Small Closed Bottom Reflector</p> <p>Maximum Weight: 12 kg. (27 lbs.)</p> <p>PETL Petrolux II Large Glass Refractor</p> <p>Maximum Weight: 22 kg. (48 lbs.)</p> | <p>SMALL HIGH PRESSURE SODIUM</p> <p>050HP 50W HPS 070HP 70W HPS 100HP 100W HPS 15AHP 150W55V HPS</p> <p>METAL HALIDE</p> <p>10DMP 100W MH, medium base 15DMP 150W MH, medium base 70DMP 70W MH, medium base 175MH 175W MH</p> <p>PULSE START METAL HALIDE</p> <p>175PM 175W MH, mogul base 17DPM 175W MH, medium base protected</p> <p>INCANDESCENT</p> <p>200IN 200W INC, 120V only</p> <p>LARGE HIGH PRESSURE SODIUM</p> <p>250HP 250W HPS 400HP 400W HPS</p> <p>METAL HALIDE</p> <p>250MH 250W MH 400MH 400W MH</p> <p>PULSE START METAL HALIDE</p> <p>250PM 250W MH 320PM 320W MH 350PM 350W MH 400PM 400W MH</p> <p>Energy Saving</p> <p>25LPM 250W MH 35LPM 350W MH 40LPM 400W MH</p> | <p>12 120V 20 208V 24 240V 27 277V 34 347V 48 480V MT Multi-voltage VT¹ Vari-tap 08¹ 208V 40¹ 240V</p> <p>¹ Available with large housing only, must be handled through TSG</p> | <p>Small housing</p> <p>25C Closed bottom reflector 545 Symmetric refractor 541 Long and narrow refractor</p> <p>Large housing</p> <p>635 Closed bottom reflector 521 Long and narrow refractor 525 Symmetric refractor 526 Asymmetrical refractor</p> |
| | | <p>PETL Petrolux II Large Closed Bottom Reflector</p> <p>Maximum Weight: 22 kg. (49 lbs.)</p> | |



**INDUSTRIAL
DEMANDING
ENVIRONMENTS**

HAZARDOUS

Petrolux® II



545



25C



525



635

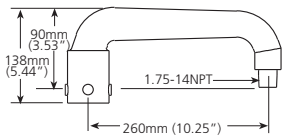
PD

5

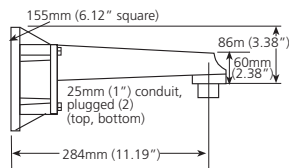
MOUNTING

- CD**¹ Ceiling mount
- CE**² Ceiling mount (thru-wire)
- FP**³ Flexible pendant mount
- PD** Pendant and box cover mount
- SA** Stanchion arm mount 1.5 NPT
- WL** Wall mount

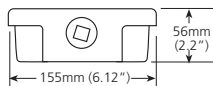
- 1 With four 1" NPT conduit connections
- 2 With two 1" NPT conduit connections
- 3 Not available with large housing



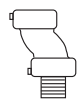
SA - Stanchion mount



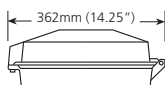
WL - Wall mount



CD and CE - Ceiling mount



FP - Flexible Pendant mount



PD - Pendant and Box Cover Mount

PS

6

OPTIONS (FACTORY INSTALLED)

- PS** Protected starter (HPS only)
NA with "08" or "40"

NEMA decal, small

- NEMA 050HP
- NEMA 070HP
- NEMA 100HP
- NEMA 150HP
- NEMA 070MH
- NEMA 100MH
- NEMA 150MH
- NEMA 175MH

NEMA decal, large

- NEMA 250HP
- NEMA 400HP
- NEMA 250MH
- NEMA 320MH
- NEMA 350MH
- NEMA 400MH

F1

7

ACCESSORIES

See below

7 Accessories (Ships separately)

| | |
|--------------------|---|
| LAMP | Appropriate lamp shipped |
| F1 | Single fuse assembly for 120, 240, 277 or 347V |
| F2 | Double fuse assembly for 2208, 240 or 480V |
| PETLSW | Optics removal wrench set |
| 09189-X | Safety chain, 914mm (X indicates length of chain) |
| PS-55 | Replacement Protected Starter for 15 AHP and below. NA with 08 and 40 |
| PS-100 | Replacement Protected Starter for 250HP and 400HP. NA with 08 and 40 |
| Wire Guards | |
| PETLWGA | For 541 and 545 optics |
| PETLWGB | For 521, 525 and 526 optics |
| PETLWGC | For 25C optics |
| PETLWGD | For 635 optics |

See page 113-118 for definitions

HOLOPHANE®

Petrolume explosion-proof hazardous fixtures deliver optimal, efficient performance in Class I, Division 1, Groups C and D. Rugged prismatic glass optics produce controlled light distributions, efficiently placing light only where needed. Robust materials and design characterize Holophane hazardous area lighting products, delivering maximum performance in hostile, corrosive environments.

Holophane hazardous fixtures, listed for wet and marine locations, are ideal for both indoor and outdoor applications.

DEMANDING ENVIRONMENTS Petrolume®

PETM

FEATURES:

- Heavy-duty, low-copper aluminum
- Rugged prismatic glass refractor
- Corrosion resistant finish
- Variety of mounting methods

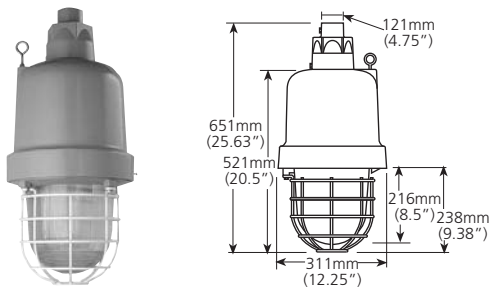
Example: PETM 250HP 12 SY PD PETMAS



How to Construct a Catalog Number:

| 1 PETM | | 2 250HP | | 3 12 | | 4 SY | |
|-----------|-----------|-----------------------------|--------------|---------|------|---------|-----------------------|
| LUMINAIRE | | SOURCE AND WATTAGE | | VOLTAGE | | OPTICS | |
| PETM | Petrolume | HIGH PRESSURE SODIUM | | 12 | 120V | SY | Symmetrical refractor |
| | | 070HP | 70W HPS | 20 | 208V | | |
| | | 100HP | 100W HPS | 24 | 240V | | |
| | | 15AHP | 150W/55V HPS | 27 | 277V | | |
| | | 250HP | 250W HPS | 48 | 480V | | |
| | | METAL HALIDE | | | | | |
| | | 175MH | 175W MH | | | | |
| | | 250MH | 250W MH | | | | |

PETM | Petrolume



Maximum Weight: 20.4 kg. (45 lbs.) – 27.7 kg. (61 lbs.)



INDUSTRIAL
DEMANDING
ENVIRONMENTS

HAZARDOUS

Petrolume®



PD

PETMAS

5

6

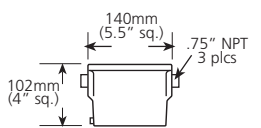
MOUNTING

ACCESSORIES (SHIPS SEPARATELY)

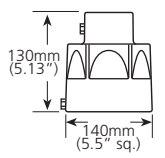
| | |
|-----------|---------------------------|
| CE | Ceiling mount-rigid |
| PD | Pendant mount |
| ST | Stanchion mount |
| SW | Ceiling mount-ball socket |
| WL | Wall mount-ball socket |

| | |
|----------------------------|--------------------------|
| LAMP | Appropriate lamp shipped |
| 09108-X¹ | Safety chain |
| PETMAS | Asymmetric reflector |
| PETMSY | Symmetric reflector |

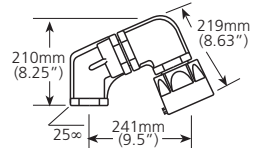
¹ X indicates length in feet, insert 3, 4, 5, 6, 8, or 10



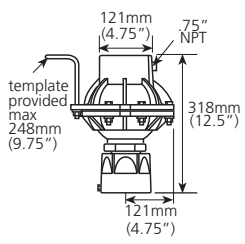
Mtg. holes 113mm (4.44") O.C.
holes .44"(11") dia.
CE - Ceiling mount



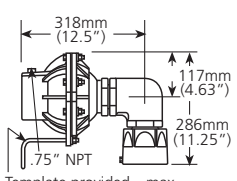
PD - Pendant mount



ST - Stanchion mount



SW - Ceiling mount - ball socket



WL - Wall mount - ball socket

Contact your local sales rep for the most current option and accessory compatibility.

HOLOPHANE®

One of the main advantages the Petrolux II luminaire has is its rugged construction. Composed of low-copper aluminum, the ballast housing is strong and corrosion resistant; a great benefit for both outdoor and indoor industrial areas. The glass optics are comprised of either a prismatic refractor or an aluminum covered reflector, both providing excellent light distribution and longevity.

DEMANDING ENVIRONMENTS

Petrolux® II

PTA | PTB

FEATURES:

- Choice of optical distributions
- Die cast low-copper aluminum housing
- Easy installation and maintenance
- Corrosion resistant finish
- UL/CUL listed 40°C or 55°C, damp/wet location

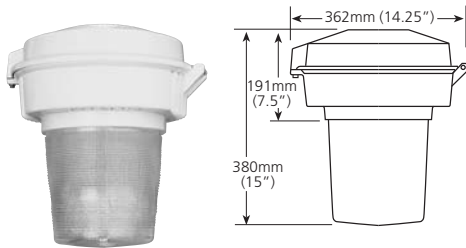


Example: PTA 15AHP 12 P 541 PS PF-291

How to Construct a Catalog Number:

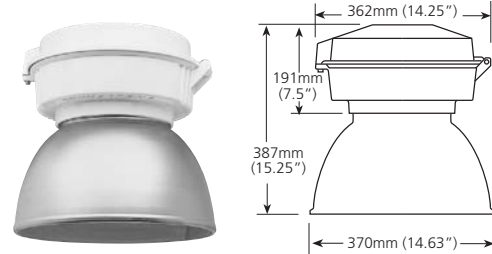
| PTA | 15AHP | 12 | P |
|--|--|--|---|
| 1 | 2 | 3 | 4 |
| LUMINAIRE | SOURCE AND WATTAGE | VOLTAGE | MOUNTING |
| PTA Petrolux II, small housing 50-175W PTB Petrolux II, medium housing 250-400 watt | HIGH PRESSURE SODIUM 050HP 50W HPS 070HP 70W HPS 100HP 100W HPS 15AHP 150W/55V HPS METAL HALIDE 175MH¹ 175W MH 70DMH³ 70W MH 10DMH³ 100W MH 15DMH³ 150W MH PULSE START METAL HALIDE 175PM¹ 175W PS MH 17DPM¹ 175W MH INCANDESCENT 200IN² 200W INC 1 Enclosed optics only, NA with PTA625 2 120V only 3 "PTA" only | 12 120V 20 208V 24 240V 27 277V 34¹ 347V 48 480V MT Multi-voltage 08¹ 208V 40¹ 240V 1 Must be handled through TSG | A Stanchion mount B¹ Box cover mount C² Ceiling mount D³ Ceiling mount F⁴ Flexible pendant mount P Pendant mount W Wall mount 1 UL listed, damp location 2 With two 1" NPT conduit connections 3 With four 1" NPT conduit connections 4 Not available with "PTB" |

PTA | Petrolux II Small Glass Refractor



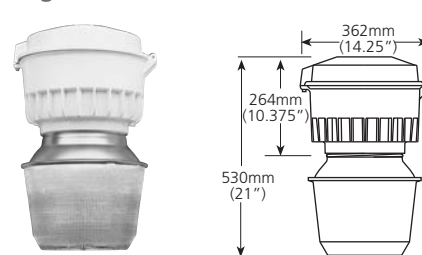
Maximum Weight: 12 kg. (27 lbs.)

PTA | Petrolux II Small Closed Bottom Reflector



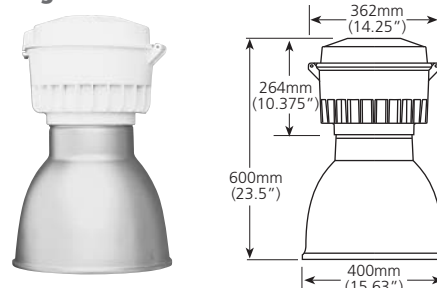
Maximum Weight: 12 kg. (27 lbs.)

PTB | Petrolux II Large Glass Refractor

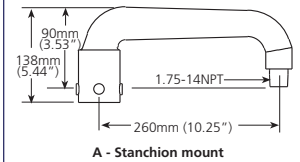


Maximum Weight: 16 kg. (35 lbs.)

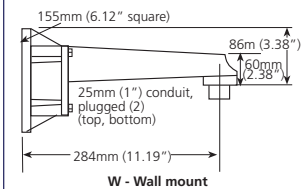
PTB | Petrolux II Large Closed Bottom Reflector



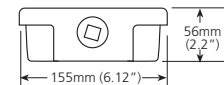
Maximum Weight: 16 kg. (35 lbs.)



A - Stanchion mount



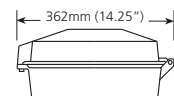
W - Wall mount



C and D - Ceiling mount



F - Flexible Pendant mount



P and B - Pendant and Box Cover Mount



INDUSTRIAL
DEMANDING
ENVIRONMENTS

WET LOCATIONS

Petrolux® II



541



625



521



635

541

5

OPTICS

- PTA**
- 541** Long and narrow reflector
- 545** Symmetric reflector
- 625¹** Open bottom reflector
- 25C** Closed bottom reflector

¹ NA with 175MH-175PM

PS

6

OPTIONS

See below

PF-291

7

ACCESSORIES

See below

5

OPTICS (CONT.)

- PTB**
- 521** Long and narrow reflector
- 525** Symmetric reflector
- 526¹** Open bottom reflector
- 635** Closed bottom reflector

¹ NA with 175MH-175PM

6 Options (Factory installed)

Cords

- CD-3** 914mm (3') cord only, available with "F" mounting only
- CD-4** 1219mm (4') cord only, available with "F" mounting only
- CD-5** 1524mm (5') cord only, available with "F" mounting only
- CD-6** 1828mm (6') cord only, available with "F" mounting only
- EM** Standby lighting fixture
- ER** Emergency lighting fixture
- HFW** Holoflex flexible wiring system. dry location only

Hooks

- PF-129** Anti-rotational hook, conduit thread male, available with "F" mounting only
- PF-291** Safety hook, conduit thread male, available with "F" mounting only
- LP** Loop, conduit thread male, available with "F" mounting only
- HK** Safety hook, conduit thread male, available with "F" mounting only

3 conductor, 3' cord and NEMA plug

- CDP-L5-15-X** 120V, 914mm (3') order "PF" also, (X = No. of feet)
- CDP-L6-15-X** 208/240V, 914mm (3') order "PF" also, (X = No. of feet)
- CDP-L7-15-X** 277V, 914mm (3') order "PF" also, (X = No. of feet)
- CDP-L24-20-X** 347V, 914mm (3') order "PF" also, (X = No. of feet)
- CDP-L8-20-X** 480V, 914mm (3') order "PF" also, (X = No. of feet)
- NEMA-XXXX** NEMA decal for 050HP, 070HP, 100HP, 15AHP, and 175MH

- P** Photocontrol for 120-347V. NA with "C" or "B" mountings
- PS** HPS protected starter
- PHCB** Power-hook cord
- PHCB-L8-480** Power-hook cord for 480V

Safety Chains

- C3** 3'
- C6** 6'
- C10** 10'

7 Accessories (Ships separately)

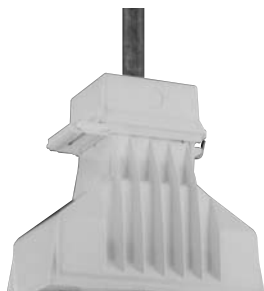
- 09189-3** Chain, 914mm (3')
- LAMP** Appropriate HID lamp supplied
- F1** Single fuse assembly
- F2** Double fuse assembly
- HOOK455** Safety hook, (.75") male, NA with "480V", "Q" or "ER"
- LOOP456** Loop, (.75") male, NA with "480V", "Q" or "ER"
- PF-116-A** Loop, (.75") female, NA with "480V", "Q" or "ER"
- PF-122-A** Safety hook, (.75") female, NA with "480V", "Q" or "ER"
- PF-129-A** Anti-rotational hook, (.75") male, NA with "480V", "Q" or "ER"
- PF-291** Safety hook (.75") male, pendant mount only
- PS-55** Protected starter for 15AHP and below
- PS-100** Protected starter for 200-400W
- PETLSW** Wrench set for optics removal
- Wire Guards**
- PETLWGA** Wire guard for PTA541, PTA545
- PETLWGC** Wire guard for PTA625, PTA25C
- PETLWGB** Wire guard for PTB521, PTB525, and PTB526
- PETLWGD** Wire guard for PTB635
- Thru-way Power-hook**
- UPH-35-XXX-WH** Thru-way power-hook, NA with "480V", "Q" or "ER"
- UPH-35-L8-480-WH** 480V Thru-way power-hook, available with 480V only
- UPH-36-XXX-WH** Pendant power-hook, NA with "480V", "Q" or "ER"
- UPH-36-L8-480-WH** 480V Pendant power-hook, available with 480V only

Contact your local sales rep for the most current option and accessory compatibility.

PERFORMANCE HID

Mounting Options and Specifications

Optional Mounting Methods



PD - Pendant

The separable DN20NPT (.75") threaded conduit mounting plate with integral set screw shall include a quick install slide on attachment. The housing shall be balanced and suitable for support from hooks or loops.

A slide on wireway cover shall enclose the wiring chamber which is suitable for 90° or 105°C building wire.



QD - Quick-Disconnect Pendant and Throughway Wiring

The die cast aluminum pendant and/or throughway quick disconnect wiring box shall contain provisions for both DN20NPT (.75") threaded conduit mounting and direct ceiling mounting. It shall contain an integral hinge connecting the die cast aluminum pin on the housing to allow the luminaire to hang free with electrical disconnect. The mounting shall have the same corrosion resistant finish as the housing. The mounting shall consist of 2 cast knockouts, 4 ceiling mount drill points, DN20NPT (.75") conduit threaded top opening, and be UL listed for up to five #10 AWG conductors for through wiring.

The housing shall swing up and connect to the QD box by latching the captive J bolt and wing nut without use of tools.

A dead front receptacle shall be mounted inside the QD box which will make an electrical connection with the pre-wired plug in the housing.

The receptacle shall be UL listed for connection to lighting branch circuits which can then be energized before the housing is attached. The grounding connection shall be the first to make contact and the last to disconnect.

It shall be CUL certified and listed per UL-1059 (Panel Board Accessory) and UL-98 (Enclosed and Dead Front Switches) permitting the luminaire to be disconnected while under load.



ND - Non-Disconnect Pendant and Throughway Wiring

The die cast aluminum pendant and/or throughway integral wiring box shall contain provisions for both DN20NPT (.75") threaded mounting conduit and direct ceiling mounting. It shall contain an integral hinge connecting the die cast aluminum pin on the housing to support the luminaire while electrical connections are made. The mounting shall have the same corrosion resistant finish as the housing. The mounting shall consist of 2 cast knockouts, 4 ceiling mount drill points, DN20NPT (.75") conduit threaded top opening, and be UL/CUL listed and CUL certified for up to five #10 AWG conductors for through wiring.

The housing shall swing up and connect to the ND box by latching the captive J bolt and wing nut without use of tools.

Options and Accessories

Auxiliary Lighting



Emergency, Standby and Time Delay

- ER** **Emergency circuit lighting:** 120V tungsten halogen bayonet base lamp and lamp sockets separate backup (emergency) power circuit that provides sufficient lighting during failure of the normal power supply.
- EM** **Standby lighting:** 120V tungsten halogen bayonet base lamp and lamp socket to provide lighting during times of temporary power interruption until the HID lamp is cool enough to restrike.
- TDEM** **Standby lighting:** Same as "EM" with time delay relay. Limited to 40°C ambient. When HID restrikes, tungsten-halogen lamp remains on for 15 minutes while HID lamp ramps up.

Electrical Assembly Options



Fusing

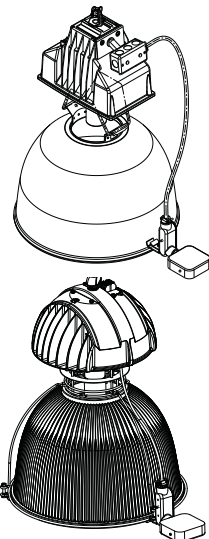
Accessible fuse protects and isolates luminaire from circuit. Must specify voltage.

- F1** Single fuse assembly for 120, 240, 277, 347V, MA, and MD rated luminaires.
- F2** Double fuse assembly for 208, 240, 480V, MB, MC rated luminaires.



Automatic Lamp Time-out

- H** **HALT** Automatic lamp timeout. Available on MH or PM units only. Customer to specify voltage to be wired. HALT is designed for metal halide fixtures operating 24/7. The HALT device will randomly cycle lamps once per week complying with lamp manufacturers' recommendations. Not available in combination with EM, use TD as an alternative.



HID Dimming Options

With up to 50% power reduction, luminaires with a dimming option maximizes control and lowers energy consumption. Each luminaire has its own control module and occupancy sensor.

- ISR** ISHB with a 360° occupancy sensor for full symmetric coverage. Use with magnetic HID ballasts.
- ISA** ISHB with a long and narrow occupancy sensor for aisle coverage. Use with magnetic HID ballasts.
- D** Continuous dimming for Elite Series electronic HID ballasts. Provided with terminal block.
- A** Integral continuous dimming luminaire for the Elite Series electronic HID ballast. Provided with a 360° occupancy sensor for full symmetric coverage.
- N** Integral continuous dimming luminaire for the Elite Series electronic HID ballast. Provided with a photocell for daylight harvesting.

OPTIONS AND ACCESSORIES

Cords, Plugs and Chains

Cord and NEMA twist-off plugs for use in areas where support and electrical receptacle is supplied. Most cord and plugs are factory installed and are used typically with hooks or loops (ordered separately). 'X' denotes cord length. 3' is standard and lengths longer than 6' are handled through TSG.



| Cords | |
|--------------|---|
| C | Safety cable (inside stem) |
| CD-3 | 3' Cord only |
| CD-4 | 4' Cord only |
| CD-5 | 5' Cord only |
| CD-6 | 6' Cord only; for length longer than 6 ft handle through TSG. |
| X | Cord length beyond 3' |
| CDW-X | Cord and hook. PF-291 included. The CDW-X is available on the Vantage VA, VK, and Mini luminaires. Factory installed. |



| Three Conductor Cord and NEMA Twist-off Plug | |
|--|--|
| CDP-L5-15-X | 120V, 914mm (3') three conductor cord and NEMA twist-off plug. Not available with the MT or VT voltage. Not available with ER or Q option on enclosed luminaires. Factory installed. |
| CDP-L6-15-X | 208/240V, 914mm (3') three conductor cord and NEMA twist-off plug. Not available with the MT or VT voltage. Not available with ER or Q option on enclosed luminaires. Factory installed. |
| CDP-L7-15-X | 277V, 914mm (3') three conductor cord and NEMA twist-off plug. Not available with the MT or VT voltage. Not available with ER or Q option on enclosed luminaires. Factory installed. |



| Daniel Woodhead Watertite Plug | |
|--------------------------------|---|
| CDPW-L5-15-X | 120V, Cord and Daniel Woodhead Watertite plug for wet locations. PF-291 included. The CDPW is available on the Vantage VA, VK, and Mini luminaires. Not available with the ER option. Factory installed. (As shipped separately use CDCW-L5-15-X) |
| CDPW-L6-15-X | 208/240V, Cord and Daniel Woodhead Watertite plug for wet locations. PF-291 included. Cord and Daniel Woodhead Watertite plug for wet locations. PF-291 included. The CDPW is available on the Vantage VA, VK, and Mini luminaires. Not available with the ER option. Factory installed. (As shipped separately use CDCW-L6-15-X) |
| CDPW-L7-15-X | 277V, Cord and Daniel Woodhead Watertite plug for wet locations. PF-291 included. Cord and Daniel Woodhead Watertite plug for wet locations. PF-291 included. The CDPW is available on the Vantage VA, VK, and Mini luminaires. Not available with the ER option. Factory installed. (As shipped separately use CDCW-L7-15-X) |

| NEMA LOCKING CONFIGURATIONS | | | | |
|-----------------------------|----------|------------|--------------------|--|
| Catalog Designation | Ampacity | Voltage | NEMA Configuration | Illustration |
| CDP-L5-15-X | 15A | 120V | L5 - 15 | <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>L5 - 15P</p> <p>Plug</p> </div> <div style="text-align: center;"> <p>L5 - 15R</p> <p>Receptacle</p> </div> </div> |
| CDP-L6-15-X | 15A | 208V, 240V | L6 - 15 | <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>L6 - 15P</p> <p>Plug</p> </div> <div style="text-align: center;"> <p>L6 - 15R</p> <p>Receptacle</p> </div> </div> |
| CDP-L7-15-X | 15A | 277V | L7 - 15 | <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>L7 - 15P</p> <p>Plug</p> </div> <div style="text-align: center;"> <p>L7 - 15R</p> <p>Receptacle</p> </div> </div> |
| CDP-L24-20-X | 20A | 347V | L24 - 20 | <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>L24 - 20P</p> <p>Plug</p> </div> <div style="text-align: center;"> <p>L24 - 20R</p> <p>Receptacle</p> </div> </div> |
| CDP-L8-20-X | 20A | 480V | L8 - 20 | <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>L8 - 20P</p> <p>Plug</p> </div> <div style="text-align: center;"> <p>L8 - 20R</p> <p>Receptacle</p> </div> </div> |



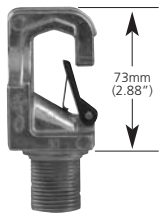
Chains

Safety chains, available in a variety of lengths, are constructed of heavy gauge plated steel and provide additional protection for the luminaire. Standard lengths of 3, 6, or 10 feet and are factory installed unless otherwise noted. See luminaire ordering pages for configuration and compatibility.

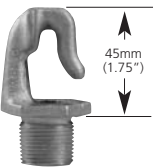
OPTIONS AND ACCESSORIES

Hooks, Loops and Power Hooks

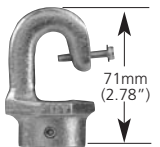
All hooks, loops, and power hook and cords assemblies are for use in areas where support and electrical receptacle is supplied. Mounting hooks and loops shall be lubricating cast aluminum or malleable iron and protected against corrosion. Supplied either factory installed or shipped separately.



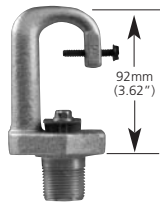
HK



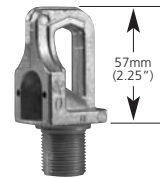
PF-129



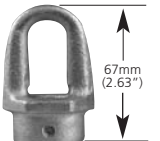
PF-122



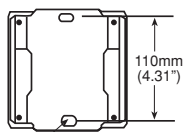
PF-291



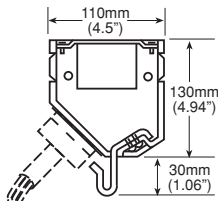
LP



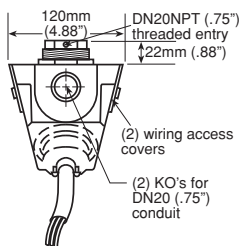
PF-116



88mm (.31") x 10mm (.38")
ceiling mounting (2) places
Mounting Detail UPH-35



Thru-way UPH-35



Pendant UPH-36

Hooks

| | |
|------------------|--|
| HK | Hook, male, made of die cast aluminum. Height is 3.75" with 3/4" thread diameter. Not available with Q or QD options. (same as HOOK455 shipped as accessory) |
| PF-121-PT | Hook, male, made of malleable iron (.75") DN20NPT. Not available with Q or QD options. (same as PF-121-A shipped as accessory) |
| PF-122-A | Safety hook, female, made of malleable iron, (.75") DN20NPT/NPT. Not available with D or QD options. (shipped as an accessory) |
| PF-129 | Anti-rotational hook, male, made of malleable iron, (.75") DN20NPT. Not available with Q or QD options. (same as PF-129-A shipped as accessory) |
| PF-291 | Universal safety hook, male, with gasketed strain relief made of malleable iron (.75") DN20NPT. Not available with Q or QD options. |

Loops

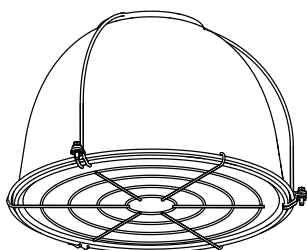
| | |
|------------------|--|
| LP | Loop, male, made of die cast aluminum (.75") DN20PT. Not available with Q, or QD options. (same as LOOP456 shipped as accessory) |
| PF-105-PT | Loop, male, made of malleable iron (.75") DN20NPT. (same as PF-105-A shipped as accessory) |
| PF-116-A | Loop, female, made of malleable iron (.75") DN20NPT. Not available with Q or QD options. (shipped as an accessory) |

Power Hooks

| | |
|-------------------------|--|
| PHCB | Power hook cord with a special configuration plug and "PF- 456" loop attached. Available in 120, 208, 240, 277, 347V. For use with the following accessories: UPH-35-XXX-WH and UPH-36-XXX-WH, sold separately. Not available ER, Q or QD options. Not available with CUL certification. |
| PHCB-L8-480 | Power hook cord with a special configuration plug and "PF- 456" loop attached. Available in 480V. For use with the following accessories: UPH-35-L8-480-WH or UPH-36-L8-480-WH, sold separately. Not available ER, Q or QD options. Not available with CUL certification. |
| UPH-35-XXX-WH | 120-347V surface mounted thru-way power-hook. Fixture requires PHCB option. Insert voltage for XXX. Not available with ER, Q or QD options. Not CUL certified. Order as accessory with fixture or separately. |
| UPH-35-L8-480-WH | 480V surface mounted thru-way power-hook. Fixture requires PHCB option. Not available with ER, Q or QD options. Not CUL certified. Order as accessory with fixture or separately. |
| UPH-36-XXX-WH | 120-347V pendant mounted thru-way power-hook. Fixture requires PHCB option. Insert voltage for XXX. Not available with ER, Q or QD options. Not CUL certified. Order as accessory with fixture or separately. |
| UPH-36-L8-480-WH | 480V pendant mounted thru-way power-hook. Fixture requires PHCB option. Not available with ER, Q or QD options. Not CUL certified. Order as accessory with fixture or separately. 480V pendant power-hook that is compatible with all fixtures. |

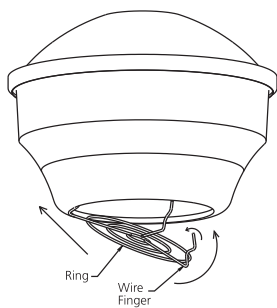
Wire Guards

All wire guards are made of #10 gauge zinc finished wire form and offer a means to protect luminaires from minor impact. Wire guards are sold as accessories and shipped separately.



ISD SuperGlass® High Bays

- | | |
|--------------|---|
| 09267 | Wire guard for enclosed high bay optical assemblies featuring ISD SuperGlass 6611 reflector. |
| 09268 | Wire guard for enclosed high bay optical assemblies featuring ISD SuperGlass 6612 reflector. |
| 09274 | Wire guard for open high bay optical assemblies featuring ISD SuperGlass 6611 reflector with re-lamp hole for an open bottom. (compatible with 0277 wire guard) |
| 09275 | Wire guard for open high bay optical assemblies featuring ISD SuperGlass 6612 reflector with re-lamp hole for an open bottom. (compatible with 0277 wire guard) |



CentaGlo and Enduralume

- | | |
|---------------|---|
| WGCG | Wire guard for CentaGlo and Low Profile CentaGlo optical assemblies. |
| WG-221 | Wire guard for low bay enclosed Enduralume and Low Profile Enduralume optical assemblies. |



Petrolux Series

- | | |
|----------------|--|
| PETLWGA | Wire guard for Petrolux PTA541 and PTA545. |
| PETLWGB | Wire guard for Petrolux PTB521, PTB525 and PTB526. |
| PETLWGC | Wire guard for Petrolux PTA625 and PTA25C. |
| PETLWGD | Wire guard for Petrolux PTB635 only. |

Other Options and Accessories

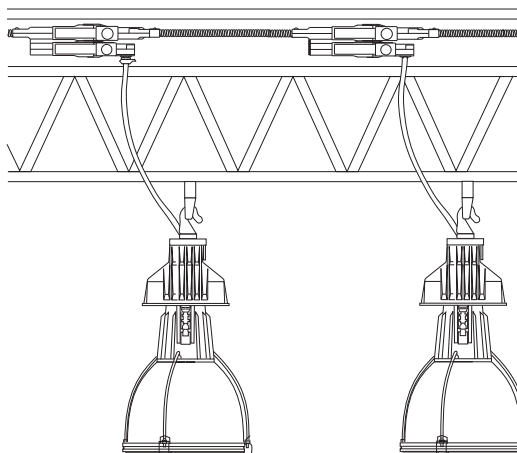
Additional options and accessories to give you maximum design flexibility to meet your lighting needs.



| | |
|----------------------|--|
| W | Option for wet location listed per UL 1598. Units not available with CDP, PHCB, F1, F2 or ER options. |
| 65 | Option for 65°C ambient listing. Check ordering information per product family, some wattages and sources may not be available. |
| HALT | Holophane Automatic Lamp Time-out designed for metal halide fixtures operating 24/7. The HALT device will randomly cycle lamps once per week complying with lamp manufacturers' recommendations. |
| NEMA (Labels) | ANSI identification labels for sources and wattages. |
| LL | Latch lock safety clip. |
| PS | High pressure sodium protected starter (in 55W, 100W and 1000W). It electronically senses a lamp failure and will stop the starting cycle of the ballast to prevent damage to the electrical components. |
| S | Single pack for the electrical assembly. Available on select luminaires. |
| P | Photocontrol for 120-347V Petrolux PTA/PTB units. A photocell is a light sensing device used to control luminaires in response to detected light levels. |
| SM | Stanchion mount bracket for use with the Bantam Series, Vantage Mini, and Petrolux Series. |
| WM | Wall mount bracket for use with the Bantam Series, Vantage Mini, and Petrolux Series. |

Holoflex II Modular Wiring System

HFW The Holoflex II Modular Wiring System replaces conduit runs and hardware fixture drops, significantly reducing installation time of a lighting system. The plug in design of Holoflex II offers simple connection during installation and permits easy disconnection during fixture maintenance. Flexibility with lighting layouts and adaptability to changing work requirements are an added benefit of Holoflex II wiring systems.



NOTES

Fluorescent

Holophane optically engineered fluorescent lighting products. Throughout the industry, there are common elements to all fluorescent luminaire designs. But a fluorescent luminaire by any other name will not perform as well as a “Holophane” luminaire. Superior engineering of those commonly designed elements separates Optically-Engineered Fluorescents by Holophane from all other manufacturers.

- **High performance optics**
- **Manufacturing flexibility**
- **Expert consultation**
- **Quality solutions**
- **Superior engineering**
- **Excellent finishes**

All Fluorescents Are Not Created Equal

There is a difference between Optically Engineered Fluorescent luminaires by Holophane and other brands of fluorescent products; a difference that gets the most out of each element of the fluorescent design; a difference that makes us proud to include these fixtures in our family of products. Holophane, a leader in lighting solutions, is an R&D based company whose hallmarks are the knowledge of and the ability to control light. Optically Engineered Fluorescents by Holophane carry with them our reputation for excellence. And, just as the industry has come to trust the engineering behind thousands of other products from high bays and low bays to outdoor area lights, you can trust that Optically Engineered Fluorescents by Holophane are members of the Holophane family by virtue of their superior optics.



TYPICAL APPLICATIONS:

- Warehouses
- Food Processing
- Office Buildings
- Manufacturing
- Assembly Areas
- Storage Areas
- Retail
- Colleges & Universities
- Hospitals

Fluorescent

High Bays

Parabolic Troffers

Lensed Troffers

Wraps

Industrials

Strips

Specialty

Optically Engineered Miro®

The Miro reflective material we use in our products is recognized throughout the industry for its excellent reflective properties. In truth, you may find other companies boasting of Miro in their literature. They, however, cannot boast of Holophane's expertise in optical engineering. Our engineers take the same Miro material, apply Holophane optical solutions and measurably increase the luminaire's photometric performance. Same reflective material, better use of it.

Holophane Lenses

Holophane lenses have been carefully engineered around either the patented McPhail prism or Refractive Grid® optical train to correct the inherent flaws in uncontrolled light; namely random distribution, high lamp and reflector brightness and direct and reflected glare.

Holophane's McPhail prism is injection molded to the only angle that redirects light back into the fixture for another chance to get out as useful light. It also spreads the light evenly to minimize reflected glare. Holophane lenses made with McPhail conical prisms direct more light to the 0-60 degree zone while substantially reducing direct glare.

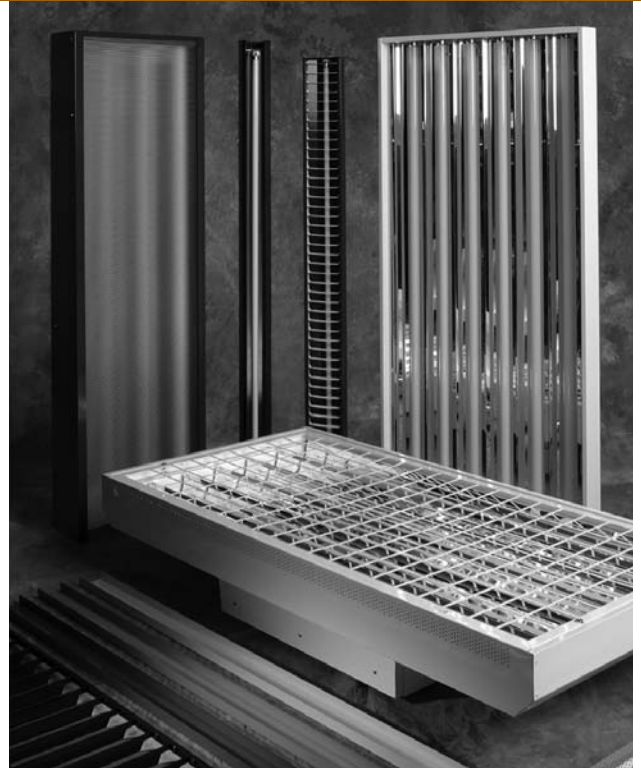
Holophane's Refractive Grid lenses, utilizing a refracting hemispherical prism and technology similar to the light piping of fiber optics, provide an ideal balance of vertical and horizontal illumination while yielding higher maintained illumination and less dirt depreciation than louvered fixtures.

It is the combination and appropriate application of how we use Miro and the unsurpassed efficiency and effectiveness of our lenses that makes Optically Engineered Fluorescents by Holophane a better choice for our fluorescent solutions.

Benefits Compounded

From the beginning of the design process, Holophane considers every aspect of how a product will perform: total light output, luminaire efficiency, energy efficiency, ease of installation, aesthetic quality, and overall value to the customer. In most cases, because of optical engineering, fewer Holophane luminaires are needed to get superior results. From very narrow (.4) to very wide (2.8) spacing criteria in symmetric and asymmetric distributions, 90% or better efficiencies are typical. That level of performance saves up-front installation costs and energy costs throughout the system's life.

Holophane has been the leader in lighting solutions for more than a century. We have the resources, expertise and flexibility to meet your lighting needs. We're dedicated to being your total quality provider of optically engineered lighting solutions. Our factory-direct sales force stands ready to work with you to develop a solution to meet your specific lighting requirements.



INTRODUCTION

Fluorescent

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INTELLIVUE® Page 126

IV – 3 lamp IV – 6 lamp

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HP – 2X2 HP – 2X4

LENSED TROFFERS

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EN EM

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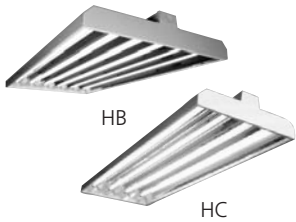
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HES

Product Selection Matrix

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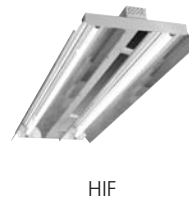
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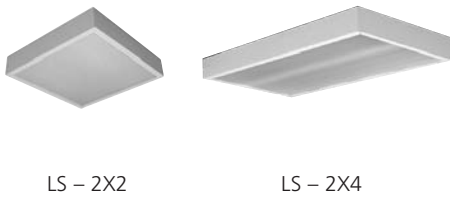


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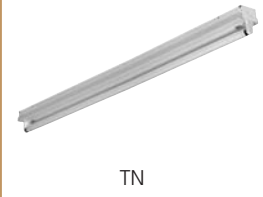
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HSN/HSM SERIES

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IT SERIES

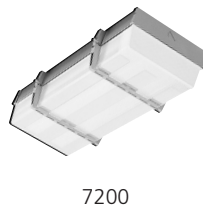
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PRISMATITE Pg 186



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FLUORESCENT

- *Highly efficient*
- *Improved visual acuity*
- *Cuts energy while brightening environment*
- *Exceptional vertical and horizontal illumination*
- *Minimal direct and reflected glare*
- *Easy wiring and maintenance*
- *Superior performance*

High Bays

Holophane's family of premium and commercial grade fluorescent high bay luminaires come in a choice of sizes, mounting configurations and beam patterns to customize the light output to meet the diverse needs of warehouse and industrial applications.

With multiple lamp sources and precision-engineered specular reflectors, not only is high-angle glare reduced that is typically seen in traditional high bay and low bay luminaires, but fluorescent high bay solutions offer increased comfort and energy efficiency.



Parabolic and Lensed Troffers

Holophane parabolic troffers deliver enhanced visual comfort and improve efficiency over conventional louvered fixtures by combining a precisely contoured specular reflector with a parabolic louver yielding highly efficient lighting for low glare applications.

Holophane's family of parabolic troffers offers premium grade luminaires with 3" louvers in a choice of sizes, ceiling types, lamp configurations, door frames, cell quantity, air handling and beam patterns to customize the light output to meet the diverse needs of office, commercial, school, hospital, and retail areas.

Holophane lensed troffers achieve maximum efficiency and superior glare control by combining a precisely optimized specular reflector with our patented lens technology.

The Holophane family of lensed troffers offers premium grade, surface mount luminaires in choice of sizes, lamp configurations, lenses and beam patterns.



Wraps

A choice of proven Holophane wraps provide a clean, linear appearance of light with control, comfort and architectural richness. The highly engineered optical system provides ample vertical illumination with exceptional uniformity.

This family offers premium or commercial grade wraparound luminaires with narrow, medium or wide channels in a choice of styles, sizes, mounting, lamp configurations and beam patterns to customize the light output.

Industrials

Holophane offers a variety of industrial luminaires for a wide range of applications from the most demanding specialized industrial applications to the most simple task and area lighting.

This family of luminaires comes in a choice of styles, sizes, mounting, lamp configurations and beam patterns to customize the light output to meet the diverse needs of offices, warehouses, schools, hospitals and industrial areas.



Strips

Holophane strips are ideal for general area or task illumination requiring superior performance in moderate environments.

This family of strip luminaires comes in a choice of narrow, medium or wide channels in a variety of sizes, mounting, and lamp configurations.



Specialty

Holophane's specialty fluorescent luminaires are suitable for niche applications such as conference room boards, automotive and paint inspection booths, video conferencing, food processing areas, cold-storage facilities, chemical plants, pulp and paper facilities, laboratories or parking garages.

Each Holophane specialty luminaire is designed for its specific application with the following parameters in mind: technical innovation, efficiency, comfort, aesthetics and durability. When inspection visibility, weathering, dust, high temperature, ruggedness, humidity, or fumes are primary factors in determining the selection of your luminaire, a Holophane specialty fixture should be considered.

For more applications requiring specialized luminaires, Holophane will consider optically-engineering a fixture for you. Please contact your Holophane factory representative for your project consultation.



HOLOPHANE®

P.O.L.A.R. technology is a patented method developed by Holophane to maximize the lumen output of T5 or T5HO lamps in luminaires where temperature may be a concern. P.O.L.A.R. stands for **P**assively **O**ptimized **L**umen output with **A**utomated **R**egulation. It uses no energy, is environmentally safe and maintenance free, and self regulates its ability to dissipate the lamp's heat based on changing ambient temperatures.

HIGH BAYS IntelliBay®, IntelliVue®

IA | IV

FEATURES:

- Vertically stacked lamps provide smaller foot print
- Isolated ballast chamber for extended ballast life
- Utilizes innovative Miro-Silver® optics for 98% total reflectivity
- Copper free die cast end caps for corrosion resistance and structural integrity
- UL listed 55°C for damp locations
- Variety of mounting options

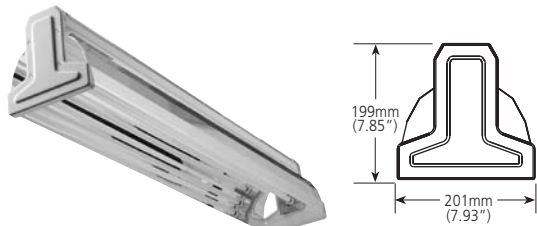


Example: IV 2 28 12 A W WY P

How to Construct a Catalog Number:

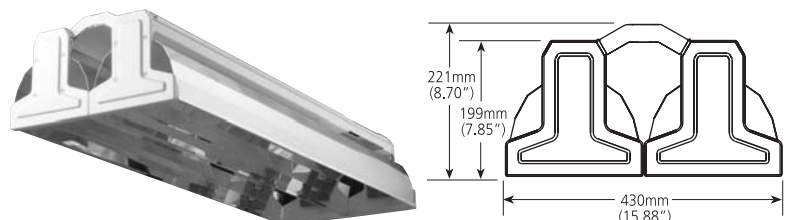
| IV | | 2 | 28 | 12 | A | W | | | | | |
|---|------------|------------------------|--------------------------|---------------------|--------------------|---------|---------------|----------------------|---------------------|----------------|------------------------------|
| 1 | | 2 | 3 | 4 | 5 | 6 | | | | | |
| LUMINAIRE | | LAMP QUANTITY & LENGTH | | LAMP TYPE & BALLAST | | VOLTAGE | | OPTICAL DISTRIBUTION | | FINISH | |
| IA ¹ | IntelliBay | 2 | 2 Lamp, 8" x 4' nominal | 28 | 28 Watt, T5 lamp | 12 | 120V, C/UL/US | A | Aisle | H | Graphite |
| IV ² | IntelliVue | 3 | 3 Lamp, 8" x 4' nominal | 54 ¹ | 54 Watt, T5HO lamp | 20 | 208V, UL | B | Aisle with uplight | K | Black |
| 1 Open end, stamped sheet metal end cap | | 4 | 4 Lamp, 16" x 4' nominal | 1 High output | | 24 | 240V UL | M | Medium | L | Satin nickel |
| 2 Closed end, die-cast end cap | | 6 | 6 Lamp, 16" x 4' nominal | | | 27 | 277V, C/UL/US | G | Medium with uplight | W | White |
| | | | | | | 34 | 347V, C/UL/US | W | Wide | Z | Bronze |
| | | | | | | 48 | 480V, UL | E | Wide with uplight | A ¹ | As specified |
| | | | | | | | | | | | 1 Available through TSG only |

IA | IntelliBay - 2, 3 lamp



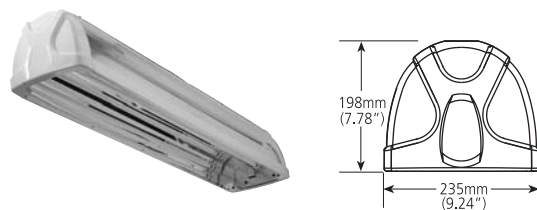
Maximum Weight: 6.8 kg. (15 lbs.)

IA | IntelliBay - 4, 6 lamp



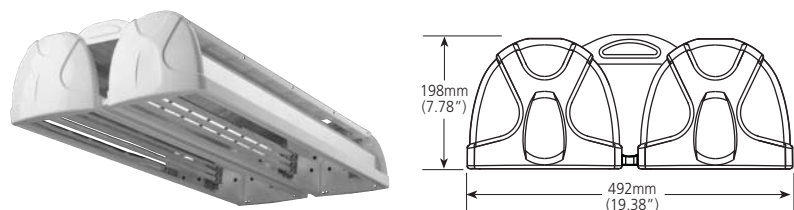
Maximum Weight: 14 kg. (31 lbs.)

IV | IntelliVue - 2, 3 lamp



Maximum Weight: 9.52 kg. (21 lbs.)

IV | IntelliVue - 4, 6 lamp



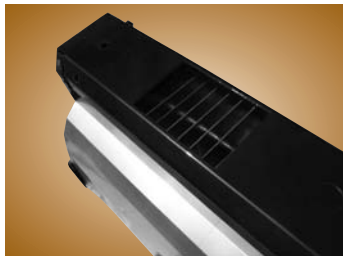
Maximum Weight: 21.7 kg. (48 lbs.)

P.O.L.A.R. Technology:

Passively **O**ptimized **L**umen output with **A**utomated **R**egulation

A revolutionary passive thermal management system that maintains the cold spot temperature on T-5 lamps over a wide range of room ambient temperatures.

- Increased energy savings
- Maximum and constant lumen output
- Obtain designed illumination levels
- Controlled lamp operating range



FLUORESCENT

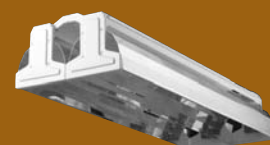
HIGH BAYS

P.O.L.A.R. TECHNOLOGY

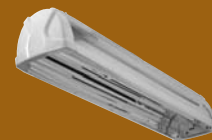
IntelliBay®
IntelliVue®



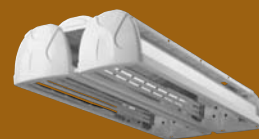
IntelliBay



IntelliBay - 6 lamp



IntelliVue



IntelliVue - 6 lamp

WY

7

MOUNTING

- N**¹ No mounting selected
A² 18" Single stem with canopy assembly for pendant mounting
B² 24" Single stem, canopy assembly for pendant mounting
C² 36" Single stem, canopy assembly for pendant mounting
H⁴ 18" Single stem, hook assembly
J⁴ 24" Single stem, hook assembly
K⁴ 36" Single stem, hook assembly
L⁴ 18" Single stem, loop assembly
M⁴ 24" Single stem, loop assembly
P⁴ 36" Single stem, loop assembly for pendant mounting
R³ (2) 48" Industrial cable assemblies
T⁵ (2) 48" Decorative cable assemblies with canopy
Y Y-hanger (set of 2)
Z 48" Chain with 5 hooks
E³ Safety hook assembly, 3/4" male
F³ Antirotation hook assembly, 3/4" male
G³ Loop assembly, 3/4" male
WY⁶ Wall mount assembly

- 1 Single stem mount provided by customer must use FPENMOUNT accessory
- 2 Not available with RX, TX, UX, VX, WX, YX cord and plug options or K, ZX cord options
- 3 Not available with K, curly cord option,
- 4 Not available with K, curly option,
- 5 Not available with RX, TX, UX, VX, WX, YX cord and plug options
- 6 IntelliVue 2-3 lamp only, Y = finish

P

8

ELECTRICAL

- D**¹ Electronic dimming
E³ Enclosed endcaps
F Fusing
G Fusing (double)
C² Dual circuit wiring
L Emergency ballast LP550, compatible with electronic or dimming AC ballasts
M Emergency ballast LP600, specification grade, compatible with electronic or dimming AC ballasts
H Pre-wired flex, Holoflex® II
S¹ Occupancy sensor on unit
S2¹ Multi-level occupancy sensor
P P.O.L.A.R. Technology
Molded cord and plug
RX³ 120V, straight blade
TX³ 120V, twist-off
UX³ 208/240V, twist-off
VX⁴ 277V, twist-off
WX⁴ 347V, twist-off
YX⁴ 480V, twist-off
Cord only
ZX¹ White
K^{1,2} White, curly

- 1 Not available with dual circuit
- 2 Not available with dimming
- 3 X = 3', 6' or 10'
- 4 Not available with WY mounting
- 5 IntelliBay only

IVPOLNX

9

OPTIONS

See below

FC-L5-15-X

10

ACCESSORIES

See below

9 Options (Factory installed)

"IV" Series only

- IVPOLNX** Polycarbonate, .125" clear lens assembly
IVA12X Acrylic, .110" pattern 12 prismatic lens assembly
IVH55X Acrylic, .140" Holophane pattern 6255 prismatic lens assembly
IVH24X Acrylic, .240" Holophane Refractive Grid® 8224 lens assembly
IVH46X Acrylic, .280" Holophane Refractive Grid 8246 with bonded diffuse interface lens assembly
IVH48X Acrylic, .280" Holophane Refractive Grid 8248 with high efficiency bonded diffuse interface lens assembly
IVB1X¹ Baffle assembly, 60° cutoff
IVWGBX¹ Wire guard assembly for bottom impact protection for use with lens assembly
IVGBNX¹ Wire guard for bottom impact protection for use without lens assembly
IVWGRX¹ Wire guard assembly for side impact protection

"IA" Series only

- IAPOLX** Polycarbonate, .125" clear lens assembly

1 X = finish

10 Accessories (Ships separately)

- FC-L5-15-X**¹ Molded curly cord and plug, 120V, twist-off
FC-L6-15-X¹ Molded curly cord and plug, 208/240V, twist-off
FC-L7-15-X¹ Molded curly cord and plug, 277V, twist-off
FC-L24-20-X¹ Curly cord with attached 347V, twist-off plug
FC-L8-20-X¹ Curly cord with attached 480V, twist-off plug
DSC Safety cable on lens assembly
IVFPENMOUNT-X Pendant mounting plate accessory kit for IntelliVue
IVAFENMOUNT-X Pendant mounting plate accessory kit for IntelliBay

1 X = 14 for 2 and 3 lamp or 28 for 4 and 6 lamp

Contact your local sales rep for the most current option and accessory compatibility.

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The ST series is a highly efficient and versatile line of high-intensity fluorescent high bay luminaires. Using T5HO lamps, ideal applications include general lighting for industrial environments, multipurpose lighting for warehouse and retail environments, and general lighting for open assembly and manufacturing areas.

HIGH BAYS ST Series – Premium Grade

ST

FEATURES:

- Miro® 4 enhanced specular aluminum reflector with 95% reflectivity
- Diagonal cross bracing and centralized ballast support for maximum rigidity
- Easy wiring/service are provided by top-mounted quick access wiring plate
- Chain or cable mounted



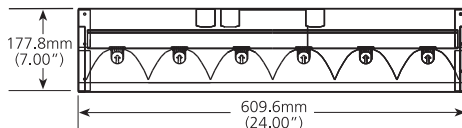
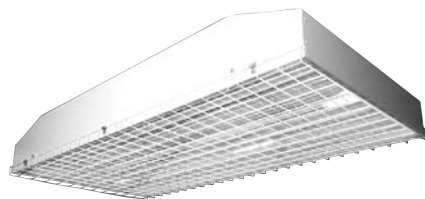
Example: ST T 24 X T NNN K46 MK3 U

How to Construct a Catalog Number:

| ST | T | 24 | X | T | NNN |
|--------------|---|--|------------------------------------|---|--|
| 1 | 2 | 3 | 4 | 5 | 6 |
| LUMINAIRE | HOUSING | HOUSING SIZE | REFLECTOR MATERIAL | DISTRIBUTION | DIFFUSER |
| ST ST Series | G 20 Gauge galvanized T 20 Gauge white steel | 22 2' x 2' Nominal 23 2' x 3' Nominal 24 2' x 4' Nominal | X Premium Miro 4 specular aluminum | B Broad N Normal S Spread T Task | CAC ¹ Clear acrylic lens H24 ¹ .240" acrylic Refractive Grid® #8224 lens H55 ¹ .140" acrylic cone prism #6255 lens NNN No lens POL ¹ Clear polycarbonate WGA ¹ Grill with clear acrylic lens WGD Wire guard WGN Grill only |

¹ Rated for 25°C max. ambient

ST | Premium Grade



FLUORESCENT

HIGH BAYS

MiRO® 4

ST Series



| K46 | | MK3 | | U | CP1S | STTBACKETSET |
|--------------------------------|----------|--|------------------------------------|--------------------------------|----------------------|---------------------|
| 7 | | 8 | | 9 | 10 | 11 |
| LAMP TYPE & CONFIG. | | BALLAST TYPE AND QUANTITY | | VOLTAGE | OPTIONS | ACCESSORIES |
| K44 | (4) T5HO | Standard light output, for T5HO lamps | | U 120-277V | See pages 196-197 | See pages 196-197 |
| K46 | (6) T5HO | MKD ¹ | (2) Programmed start for (4) lamps | H ¹ 347-480V | | |
| | | MK2 | (2) Programmed start for (4) lamps | ¹ T5 only | | |
| | | MK3 | (3) Programmed start for (6) lamps | | | |
| | | ¹ 120-277V | | | | |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The HB/HC Series is an ideal energy-saving alternative to HID high bay luminaires in retail big-box, gymnasium, warehouse, and light industrial spaces. In 1-for-1 replacements of standard metal halide light sources, these luminaires can improve maintained horizontal and vertical illumination while reducing wattage by up to 50%. Taking advantage of fluorescent program start capability, greater energy savings are possible in many facilities by controlling the fixtures with occupancy sensors and photo-sensors.

HIGH BAYS HB/HC Series Commercial Grade HB | HC

FEATURES:

- High efficiency for 4-lamp and 6 lamp
- Long lamp life
- High color rendering
- Instant-start and flicker-free operation
- Venting slots improve thermal performance
- Occupancy sensors in various types available

Example: HB S 4 X T NNN S K46 MK3 U

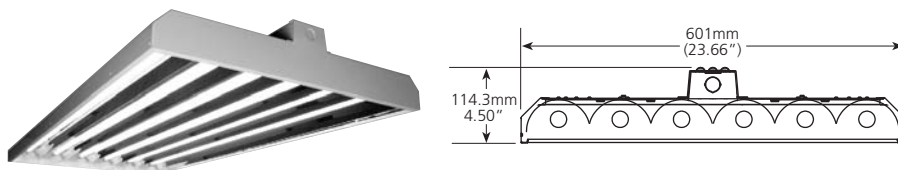


How to Construct a Catalog Number:

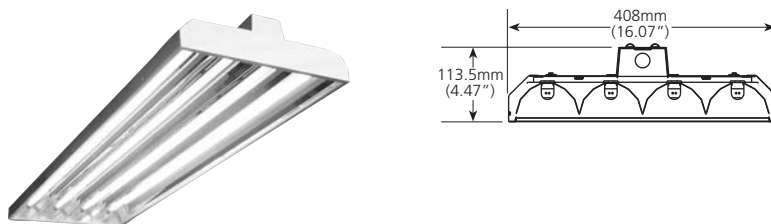
| HB | | S | | 4 | | X | | T | | NNN | | S | |
|-----------|-----------|---------|----------|--------------|------------|--------------------|---------------------|--------------|--------|----------|---|-------------------------------------|---------------|
| 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | |
| LUMINAIRE | | HOUSING | | HOUSING SIZE | | REFLECTOR MATERIAL | | DISTRIBUTION | | DIFFUSER | | UPLIGHT | |
| HB | HB Series | S | 22 Gauge | 4 | 4' Nominal | C | Miro 4 (.012") | B | Broad | B12 | Acrylic, .125" lens | S | No uplight |
| HC | HC Series | T | 20 Gauge | | | D | White painted steel | F | Focus | CAC' | Clear acrylic lens | U' | Uplight slots |
| | | | | | | X | Miro 4 (.020") | N | Normal | H24' | .240" Acrylic Refractive Grid® #8224 lens | 1 Can only be used with X reflector | |
| | | | | | | | | S | Spread | H46' | .280" acrylic bonded diffuse interface #8246 lens | | |
| | | | | | | | | T | Task | H55' | .140" acrylic cone prism #6255 lens | | |
| | | | | | | | | | | NNN | No lens | | |
| | | | | | | | | | | POL' | Clear polycarbonate | | |
| | | | | | | | | | | WGA' | Wire guard with clear acrylic lens | | |
| | | | | | | | | | | WGD | Wire guard | | |

1 Rated for 25°C max. ambient

HB | Commercial Grade



HC | Commercial Grade

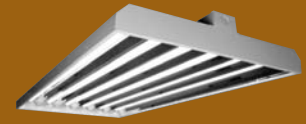


FLUORESCENT

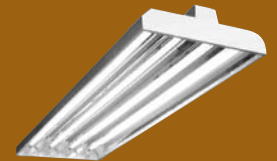
HIGH BAYS

MiRO® 4

HB/HC Series



HB



HC

| K46 | | MK3 | | U | CP1S | HSD |
|-----------------------|--|--|--|--------------------|-----------|-------------|
| 8 | | 9 | | 10 | 11 | 12 |
| LAMP TYPE & CONFIG. | | BALLAST TYPE AND QUANTITY | | VOLTAGE | OPTIONS | ACCESSORIES |
| HB | | HB | | U 120-277V | See pages | See pages |
| K46 (6) T5HO | | High light output, for (6) T5HO lamps | | 3' 347V | 196-197 | 196-197 |
| O46 (6) F32 T8 | | MK3 (3) Programmed start | | H' 347-480V | | |
| HC | | Standard light output, for (6) T8 lamps | | 1 T8 only | | |
| K44 (4) T5HO | | EP2 (2) Instant start | | 2 T5 only | | |
| O44 (4) F32 T8 | | EP3 (3) Instant start | | | | |
| | | EPD' (2) Instant start | | | | |
| | | PS2 (2) Programmed start | | | | |
| | | PS3 (3) Programmed start | | | | |
| | | PSD' (2) Programmed start | | | | |
| | | High light output, for (6) T8 lamps | | | | |
| | | YP2 (2) Instant start | | | | |
| | | YP3 (3) Instant start | | | | |
| | | HC | | | | |
| | | Standard light output, for (4) T5HO lamps | | | | |
| | | MK2 (2) Programmed start | | | | |
| | | MKD (2) Programmed start | | | | |
| | | Standard light output, for (4) T8 lamps | | | | |
| | | EP1 (1) Instant start | | | | |
| | | EP2 (2) Instant start | | | | |
| | | EPD' (2) Instant start | | | | |
| | | PS1 (1) Programmed start | | | | |
| | | PS2 (2) Programmed start | | | | |
| | | PSD' (2) Programmed start | | | | |
| | | High light output, for (4) T8 lamps | | | | |
| | | YP2 (2) Instant start | | | | |
| | | YPD' (2) Instant start | | | | |

1 For lamps with inboard/outboard switching

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The HB/HC Series is an ideal energy-saving alternative to HID high bay luminaires in retail big-box, gymnasium, warehouse, and light industrial spaces. In 1-for-1 replacements of standard metal halide light sources, these luminaires can improve maintained horizontal and vertical illumination while reducing wattage by up to 50%. Taking advantage of fluorescent program start capability, greater energy savings are possible in many facilities by controlling the fixtures with occupancy sensors and photo-sensors.

HIGH BAYS HBW/HCW Series Wet Location HB | HC

FEATURES:

- High efficiency for 4-lamp and 6 lamp
- Long lamp life
- High color rendering
- Instant-start and flicker-free operation
- Venting slots improve thermal performance
- Occupancy sensors in various types available

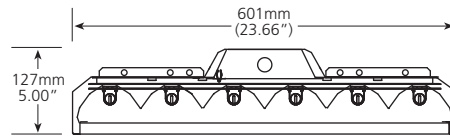
Example: HB W 4 X T CAC S K46 N MK3 U AB PAF



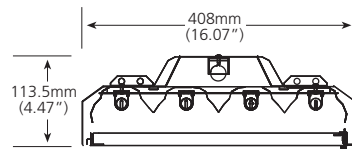
How to Construct a Catalog Number:

| HB | W | 4 | X | T | CAC | K46 |
|----------------------------|--|----------|--------------------|--|---|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| LUMINAIRE | HOUSING | LENGTH | REFLECTOR MATERIAL | DISTRIBUTION | DIFFUSER | LAMP TYPE & CONFIG. |
| HB 24" Wide HC 16" Wide | W Wet location (20 gauge) aluminum | 4 4 feet | X Miro 4 (.020") | B Broad F Focus N Normal S Spread T Task 1 T5HO options only | CAC Clear acrylic lens POL Clear polycarbonate | HB K46 (6) F54 T5HO O46 (6) F32 T8 K44 (4) F54 T5HO O44 (4) F32 T8 HC K44 (4) F54 T5HO O44 (4) F32 T8 |

HB | Wet Location - 24" Wide



HC | Wet Location - 16" Wide



FLUORESCENT

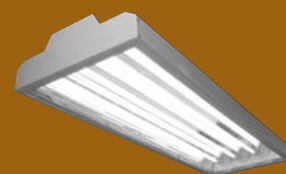
HIGH BAYS

MIRO® 4

HBW/HCW Series



HB



HC

| N 8 | MK3 9 | U 10 | AB 11 | PAF 12 |
|----------------|--|----------------|------------------|--------------|
| UPLIGHT | BALLAST TYPE AND QUANTITY | VOLTAGE | GASKETING | PAINT |
| N No uplight | Standard light output, for (4) T8 lamps | U 120-277V | AB Gasket | PAF Paint |
| | EP1 (1) Instant start | H 480V | for wet | after |
| | EP2 ² (2) Instant start | 3 347V | location | fabrication |
| | EPD ¹ (2) Instant start | 1 T5HO only | | |
| | PS1 (1) Programmed start | | | |
| | PS2 ² (2) Programmed start | | | |
| | PSD ¹ (2) Programmed start | | | |
| | High light output, for (4) T8 lamps | | | |
| | YP2 ² (2) Instant start | | | |
| | YPD ¹ (2) Instant start | | | |
| | Standard light output, for (6) T8 lamps | | | |
| | EP2 ² (2) Instant start | | | |
| | EP3 ² (3) Instant start | | | |
| | EPD ¹ (2) Instant start | | | |
| | PS2 ² (2) Programmed start | | | |
| | PS3 ² (3) Programmed start | | | |
| | PSD ¹ (2) Programmed start | | | |
| | High light output, for (6) T8 lamps | | | |
| | YP2 ² (2) Instant start | | | |
| | YP3 ² (3) Instant start | | | |
| | Standard light output, for (4) T5HO lamps | | | |
| | MK2 ² (2) Programmed start | | | |
| | MKD (2) Programmed start | | | |
| | High light output, for (6) T5HO lamps | | | |
| | MK3 ² (3) Programmed start | | | |

1 For lamps with inboard/outboard switching
2 For "HB" only

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The HAF Series was especially designed for tall warehouse aisles in distribution centers and other high rack storage areas, where the emphasis is on illuminating labels on stored goods. It is suitable for mounting heights of 50 feet plus in narrow aisles.

HIGH BAYS HAF Series – Aisle

HAF

FEATURES:

- Extremely high fixture efficiency
- Solid lightweight construction
- Top-access ballasts easily serviced
- Up to 16' length requires only two supports spaced as little as 8' apart
- Sections utilize plug-together wiring for fast, easy power connections
- Easily accommodates required clearances around standard fire sprinklers
- Miro® 4 enhanced specular aluminum reflector with 95% reflectivity

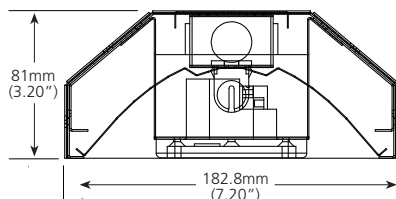
Example: HAF T 08 X F TTN K41 MK1 U CP1S MHHC



How to Construct a Catalog Number:

| HAF | T | 08 | X | F | TTN |
|----------------|------------|---|----------------------------------|--------------|-------------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| LUMINAIRE | HOUSING | HOUSING SIZE | REFLECTOR MATERIAL | DISTRIBUTION | DIRECTION |
| HAF HAF Series | T 20 Gauge | 08 8' Nominal 12' 12' Nominal 16' 16' Nominal 1 (1) 4' and (1) 8' section 2 (2) 8' sections | X Miro 4 .020" Y Miro 4 .032" | F Focus | TTN 0° Asymmetric |

HAF | Aisle

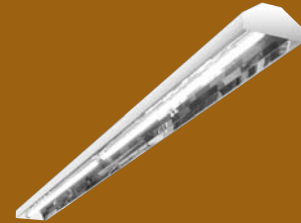


FLUORESCENT

HIGH BAYS

MIRO® 4

HAF Series



| K41 | | MK1 | | U | CP1S | MHHC |
|---------------------|--------------|--|--|-------------------------|----------------------|----------------------|
| 8 | | 9 | | 10 | 11 | 12 |
| LAMP TYPE & CONFIG. | | BALLAST TYPE AND QUANTITY | | VOLTAGE | OPTIONS | ACCESSORIES |
| K41 | (2) F54 T5HO | Standard light output, for T8 lamps | | U 120-277V | See pages 196-197 | See pages 196-197 |
| O41 | (2) F32 T8 | EP1 | (1) Instant start for (2), (3) or (4) lamps | 3 ¹ 347V | | |
| | | EP2 | (2) Instant start for (2) or (4) lamps | H ² 347-480V | | |
| | | PS1 | (1) Programmed start for (2), (3) or (4) lamps | 1 T8 only | | |
| | | PS2 | (2) Programmed start for (4) lamps | 2 T5 only | | |
| | | High light output, for T8 lamps | | | | |
| | | YP1 | (1) Instant start for (2), (3) or (4) lamps | | | |
| | | YP2 | (2) Instant start for (4) lamps | | | |
| | | Standard light output, for T5HO lamps | | | | |
| | | MK1 | (1) Programmed start for (1) or (2) lamps | | | |
| | | MK2 | (2) Programmed start for (3) or (4) lamps | | | |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

The HIF Series was especially designed for tall warehouse aisles in distribution centers and other high rack storage areas, where the emphasis is on illuminating labels on stored goods.

HIGH BAYS HIF Series – Tall Aisle

HIF

FEATURES:

- Extremely high fixture efficiency
- Provides uniform illumination, improving visibility and minimizing errors
- Solid lightweight construction
- Top-access ballasts easily serviced
- Open center allows cooler ballast operation for longer ballast life
- Easy installation
- Miro® 4 enhanced specular aluminum reflector with 95% reflectivity

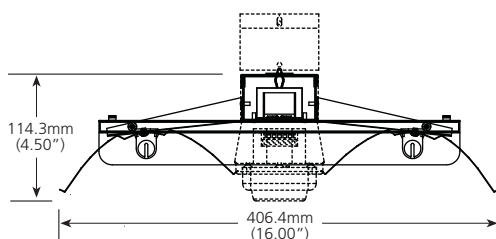
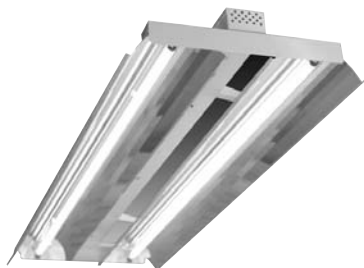
Example: HIF S 04 X F 06 S K42 MK1 U CP1S HSD



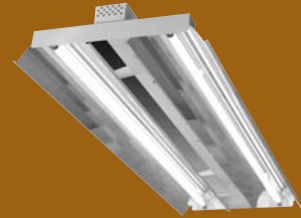
How to Construct a Catalog Number:

| HIF | S | 04 | X | F | 06 | S |
|----------------|--------------------------|--------------------------------|----------------------------------|--------------|---------------------------------------|---------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| LUMINAIRE | HOUSING | HOUSING SIZE | REFLECTOR MATERIAL | DISTRIBUTION | DIRECTION | UPLIGHT |
| HIF HIF Series | S 22 Gauge T 20 Gauge | 04 4' Nominal 08 8' Nominal | X Miro 4 .020" Y Miro 4 .032" | F Focus | F06 6° Asymmetric TT 0° Asymmetric | S No uplight U Uplight slots |

HIF | Tall Aisle



FLUORESCENT
HIGH BAYS
 MIRO® 4
 HIF Series



| K42 | MK1 | U | CP1S | HSD |
|--|--|---|----------------------|----------------------|
| 8 | 9 | 10 | 11 | 12 |
| LAMP TYPE & CONFIG. | BALLAST TYPE AND QUANTITY | VOLTAGE | OPTIONS | ACCESSORIES |
| K42 (2) T5HO K45 (4) T5HO O42 (2) F32 T8 O45 (4) F32 T8 | Standard light output, for T8 lamps EP1 (1) Instant start for (2) or (4) lamps EP2 (2) Instant start for (2) or (4) lamps PS1 (1) Programmed start for (2) or (4) lamps PS2 (2) Programmed start for (4) lamps High light output, for T8 lamps YP1 (1) Instant start for (2) lamps YP2 (2) Instant start for (4) lamps Standard light output, for T5HO lamps MK1 (1) Programmed start for (2) lamps MK2 (2) Programmed start for (2) or (4) lamps | U 120-277V 3' 347V H' 347-480V 1 T8 only 2 T5 only | See pages 196-197 | See pages 196-197 |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

Combining special photometric distributions for aisle applications with a solid, attractive housing, the HIW is ideal for illuminating facilities with active inventory such as big-box retail centers and parts storage warehouses. With the high color rendering advantages of T5HO lamps, visibility of the stored goods is vastly improved. Applications include but are not limited to areas requiring high (and uniform) vertical and horizontal illuminations.

HIGH BAYS HIW

HIW

FEATURES:

- Asymmetric distribution for high vertical illumination
- 2 and 4 lamp profiles available
- Available with factory installed occupancy sensors, wireguards and lenses

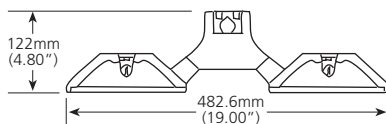
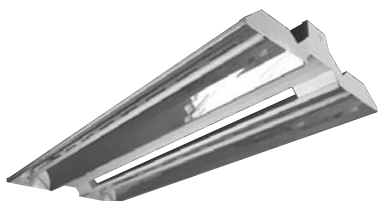
Example: HIW S 04 Y A B12 S K42 MK1 U



How to Construct a Catalog Number:

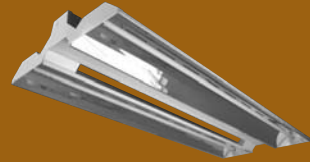
| HIW | S | 04 | Y | A | B12 |
|------------------------|--|---------------|--------------------------------------|---|--|
| 1 | 2 | 3 | 4 | 5 | 6 |
| LUMINAIRE | CHANNEL GAUGE | SIZE | REFLECTOR MATERIAL | DISTRIBUTION | DIFFUSER |
| HIW High bay luminaire | S Standard (22 gauge) T Heavy duty (20 gauge) | 04 4' Nominal | X Miro 4 (.020") Y Miro 4 (.032") | A Asymmetric (6° angle) F Focus (0° angle) | B12 Prismatic acrylic CAC Clear acrylic H24 Holophane 8224 NNN Open POL Polycarbonate WGB Wireguard with B12 WGD Wireguard |

HIW | High Bay

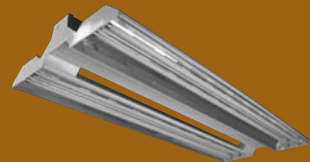


FLUORESCENT
HIGH BAYS
 MIRO® 4
 HIW Series

| | | | |
|---|--|--|---|
| S | K42 | MK1 | U |
| 7 | 8 | 9 | 10 |
| UPLIGHT | LAMP TYPE & CONFIG. | BALLAST TYPE AND QUANTITY | VOLTAGE |
| S Thermal venting only U Uplight slots (X Materials only) | K42 (2) F54T5HO K44 (4) F54T5HO K46 (6) F54T5HO | MK1 (1) Programmed start for (2) lamps MK2 (2) Programmed start for (4) lamps MKD¹ (2) Programmed start for (4) lamps MK3 (3) Programmed start for (6) lamps <small>1 For lamps with inboard/outboard switching</small> | H 347-480V U 120-277V |
| | | 11 | 12 |
| | | OPTIONS | ACCESSORIES |
| | | Consult your local Holophane factory sales representative | Consult your local Holophane factory sales representative |



2 Lamp



4 Lamp

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

Holophane's low iridescent parabolic reflectors feature cell patterns that produce a very low brightness, to make an aesthetically pleasing luminaire. They are ideal for glare and brightness control in applications requiring low to high light levels with increased visual comfort. It is commonly used in offices, classrooms, and auditoriums.

PARABOLIC TROFFERS

HP Series – 2x2, 2x4

HP

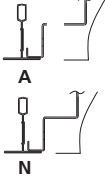
FEATURES:

- Available with static and air-handling options
- Deep cell, premium-grade aluminum louvers in choice of low-iridescent diffuse or specular louver finishes
- Black reveal provides floating louver appearance
- Integral T-bar safety clips are standard

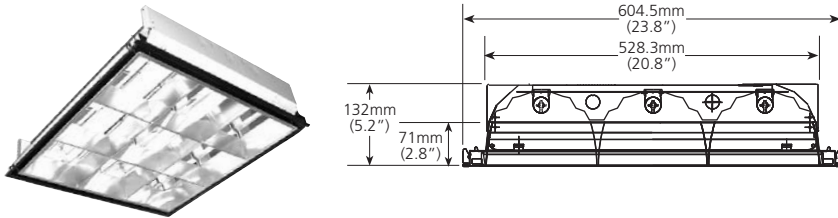


Example: HP G A 22 W N D23 O22 EP1 U GLR B60

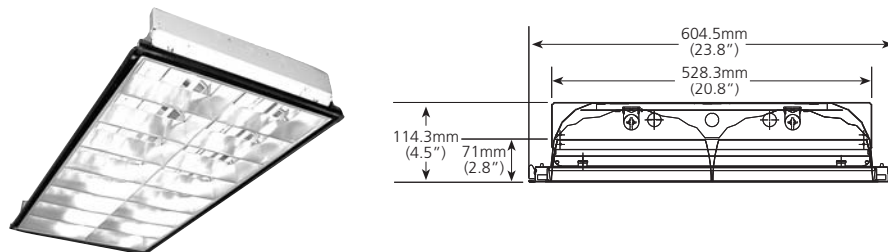
How to Construct a Catalog Number:

| HP 1 | G 2 | A 3 | 22 4 | W 5 | N 6 | D23 7 |
|--------------|----------|--|--|--|----------------------|--|
| LUMINAIRE | MOUNTING | HOUSING | HOUSING SIZE | REFLECTOR MATERIAL | DISTRIBUTION | DIFFUSER |
| HP HP Series | G Grid | A ¹ Air handling N Static 1 Not suitable for NYC applications  | 22 2' x 2' Nominal 24 2' x 4' Nominal | W ¹ White painted steel X ² Miro® enhanced aluminum 1 Normal distribution only 2 Spread distribution only | N Normal S Spread | 2 x 2 D23 ¹ 6 Cell louver D33 ¹ 9 Cell louver 2 x 4 D26 ¹ 12 Cell louver D36 ¹ 18 Cell louver D48 ¹ 32 Cell louver 1 Semi-specular-specular available upon request |

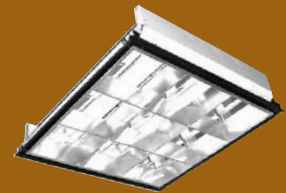
HP | 2 x 2



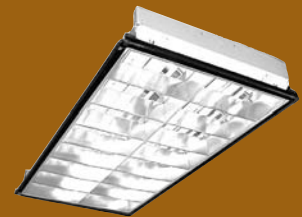
HP | 2 x 4



FLUORESCENT
PARABOLIC TROFFERS
 MIRO® 4
 HP Series



2 x 2



2 x 4

| O22 8 | EP1 9 | U 10 | GLR 11 | B60 12 |
|--|--|------------------------------------|-------------------------|-------------------------|
| LAMP TYPE & CONFIGURATION | BALLAST TYPE | VOLTAGE | OPTIONS | ACCESSORIES |
| 2 x 2 O22 (2) F17 T8 O23 (3) F17 T8 O24 (4) F17 T8 2 x 4 O42 (2) F32 T8 O43 (3) F32 T8 O44 (4) F32 T8 | Standard light output, for T8 lamps EP1 (1) Instant start for (2) or (4) lamps EP2 (2) Instant start for (2) or (4) lamps EPD (2) Instant start for (3) or (4) lamps PS1 (1) Programmed start for (2), (3) or (4) lamps PS2 (2) Programmed start for (2) or (4) lamps High light output, for T8 lamps YP1 (1) Instant start for (1), (2), (3) or (4) lamps YP2 (2) Instant start for (2) or (4) lamps | U 120-277V 3 347V | See pages 196-197 | See pages 196-197 |
| | 1 For lamps with inboard/outboard switching | | | |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The HT Series, available in 2x2 and 2x4 sizes, is a commercial grade, 4" deep, recessed lensed troffer. Uniform light distribution over the entire diffuser is achieved through optimal reflector design.

LENSED TROFFERS HT Series – 2x2, 2x4

HT

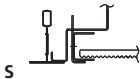
FEATURES:

- Metal housing components are post-painted with polyester powder coat
- Urethane foam gasket eliminates light leaks between frame and housing
- Optional earthquake clips available
- Miro® 4 enhanced specular aluminum reflector with 95% reflectivity



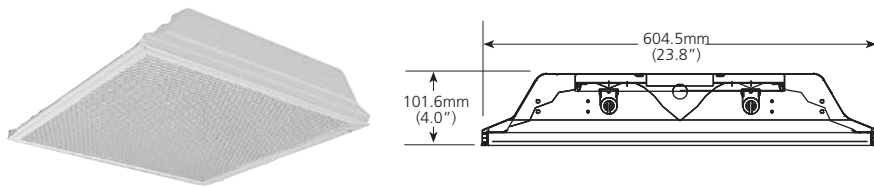
Example: HT G S 22 W N A12 O22 GLR B60

How to Construct a Catalog Number:

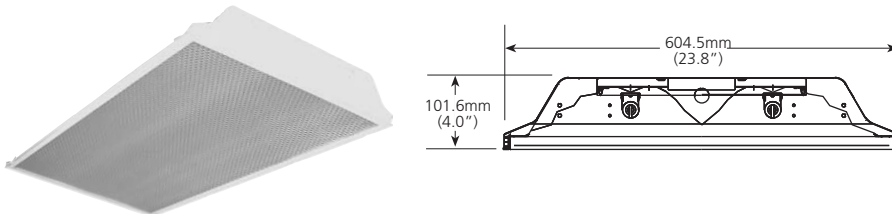
| HT | G | S | 22 | W | N | A12 |
|--------------|----------|---|--|--|----------------------|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| LUMINAIRE | MOUNTING | HOUSING/DOOR | HOUSING SIZE | REFLECTOR MATERIAL | DISTRIBUTION | DIFFUSER |
| HT HT Series | G Grid | S Static flush steel  | 22 2' x 2' Nominal 24 2' x 4' Nominal | W White painted steel X Premium Miro® 4 specular aluminum | N Normal S Spread | A12 ¹ Acrylic .110" lens B12 ¹ Acrylic .125" lens CAC ² Clear acrylic lens H24 ³ Acrylic .240 #8224 H46 ¹ Acrylic #8246 H48 ^{3,4} Acrylic #8248 H55 ¹ Acrylic #6255 POL ¹ Polycarbonate .125" |

- 1 Normal distribution only
- 2 Rated for 25°C max. ambient
- 3 Spread distribution only
- 4 O22, O23, O42 and O43 lamp only

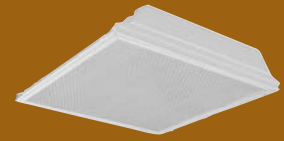
HT | 2 x 2



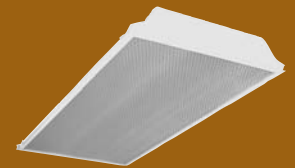
HT | 2 x 4



FLUORESCENT
LENSED TROFFERS
 MIRO® 4
 HT Series



2 x 2



2 x 4

| O22 8 | EP1 9 | U 10 | GLR 11 | B60 12 |
|--|--|------------------------------------|-------------------|--------------------|
| LAMP TYPE & CONFIGURATION | BALLAST TYPE AND QUANTITY | VOLTAGE | OPTIONS | ACCESSORIES |
| O22 (2) F17 T8 O23 (3) F17 T8 O24 (4) F17 T8 O42 (2) F32 T8 O43 (3) F32 T8 O44 (4) F32 T8 | Standard light output, for T8 lamps EP1 (1) Instant start for (2), (3) or (4) lamps EP2 (2) Instant start for (2) or (4) lamps EPD¹ (2) Instant start for (3) or (4) lamps PS1 (1) Programmed start for (2), (3) or (4) lamps PS2 (2) Programmed start for (2) or (4) lamps High light output, for T8 lamps YP1 (1) Instant start for (2), (3) or (4) lamps YP2 (2) Instant start for (2) or (4) lamps | U 120-277V 3 347V | See pages 196-197 | See pages 196-197 |
| | <small>1 For lamps with inboard/outboard switching</small> | | | |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The T Series, available in a 1x4 size, is a premium grade, 5.25" deep, recessed lensed troffer.
The B Series, available in a 2x2 size, is a premium grade, 6" deep, recessed lensed troffer with biax lamps.

RECESSED LENSED TROFFERS T/B Series – 1x4, 2x2

T | B

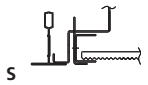
FEATURES:

- Available with static and air-handling options
- Regressed aluminum door or flush steel door
- Easy wiring and maintenance
- Miro® 4 enhanced specular aluminum reflector with 95% reflectivity

Example: T G S 14 X N A12 O42 EP1 U GLR B60

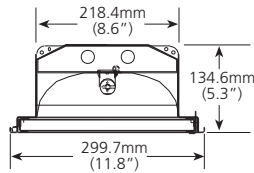


How to Construct a Catalog Number:

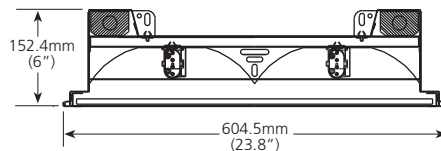
| T | G | S | 14 | X | N | A12 |
|--------------------------|---------------------------------------|---|--|--|--------------------------------|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| LUMINAIRE | MOUNTING | HOUSING/DOOR | HOUSING SIZE | REFLECTOR MATERIAL | DISTRIBUTION | DIFFUSER |
| T T Series B B Series | G Grid F Flange 1 T Series only | S Flat steel  | T 1' x 4' Nominal B 2' x 2' Nominal | D White painted steel X Premium Miro® 4 specular aluminum | N Normal S Spread T Task | A12 ¹ Acrylic .110" lens B12 ¹ Acrylic .125" lens CAC ² Clear acrylic lens H24 ³ Acrylic .240 #8224 H46 ¹ Acrylic #8246 H48 ³ Acrylic #8248 H55 ¹ Acrylic #6255 P55 6255 Prismatic polycarbonate POL ¹ Polycarbonate .125" |

1 Normal distribution only
2 Rated for 25°C max. ambient
3 Spread distribution only

T | 1 x 4

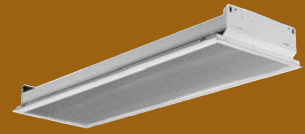


B | 2 x 2

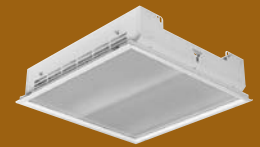


**FLUORESCENT
RECESSED LENSED
TROFFERS**

MiRO® 4
T/B Series



1 x 4



2 x 2

| O42 8 | EP1 9 | U 10 | GLR 11 | B60 12 |
|--|--|--|----------------------|----------------------|
| LAMP TYPE & CONFIGURATION | BALLAST TYPE AND QUANTITY | VOLTAGE | OPTIONS | ACCESSORIES |
| I O40 (1) F32 T8 O42 (2) F32 T8 O43 (3) F32 T8 B B42 (2) TT5 B43 (3) TT5 B44 (4) TT5 B45 (5) TT5 B46 (6) TT5 1 40W twin-tube biaxial lamp | I Standard light output, for T8 lamps EP1 (1) Instant start for (1), (2) or (3) lamps EP2 (2) Instant start for (2) lamps EPD ¹ (2) Instant start for (3) lamps PS1 (1) Programmed start for (1), (2) or (3) lamps PS2 (2) Programmed start for (2) lamps PSD ¹ (2) Programmed start for (3) lamps High light output, for T8 lamps YP1 (1) Instant start for (1), (2) or (3) lamps YPD ¹ (2) Instant start for (3) lamps B Medium light output, for FT40 biaxial lamps MP1 (1) Instant start for (2) or (3) lamps MP2 (2) Instant start for (4), (5) or (6) lamps MP3 (3) Instant start for (6) lamps 1 For lamps with inboard/outboard switching | U ¹ 120-277V 3 347V 1 T Series only | See pages 196-197 | See pages 196-197 |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The LS Series of surface mount luminaires is designed to provide high efficiency general lighting for virtually any type of interior, such as offices, classrooms, hospitals and retail areas.

SURFACE LENSED TROFFERS LS Series – 2x2, 2x4

LS

FEATURES:

- Available with a wide variety of lens and reflector options
- Metal housing is post-painted with polyester powder coat
- Easy wiring and maintenance
- Miro® 4 enhanced specular aluminum reflector with 95% reflectivity

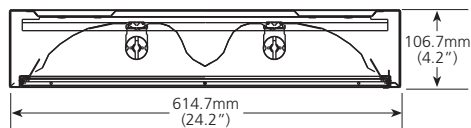


Example: LS T 22 X N A12 O22 EP1 U GLR B60

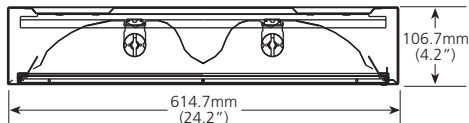
How to Construct a Catalog Number:

| LS | T | 22 | X | N | A12 |
|--------------|--------------|--|--|--------------------------------|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| LUMINAIRE | DOOR | HOUSING SIZE | REFLECTOR MATERIAL | DISTRIBUTION | DIFFUSER |
| LS LS Series | T Flat steel | 22 2' x 2' Nominal 24 2' x 4' Nominal | D White painted metal X Premium Miro® 4 enhanced aluminum | N Normal S Spread T Task | A12 ¹ Acrylic .110" lens B12 ¹ Acrylic .125" lens CAC ² Clear acrylic lens H24 ³ Acrylic .240 #8224 H46 ¹ Acrylic #8246 H48 ³ Acrylic #8248 H55 ¹ Acrylic #6255 POL ¹ Polycarbonate .125" lens |
| | | | | | ¹ Normal distribution only ² Rated for 25°C max. ambient ³ Spread distribution only |

LS | 2 x 2

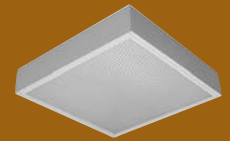


LS | 2 x 4

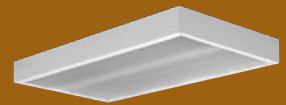


FLUORESCENT
SURFACE LENSED
TROFFERS

MIRO® 4
 LS Series



2 x 2



2 x 4

| O22 | | EP1 | | U | | GLR | | B60 | |
|---------------------------|------------|--|--|---------|----------|-----------|--|-------------|--|
| 7 | | 8 | | 9 | | 10 | | 11 | |
| LAMP TYPE & CONFIGURATION | | BALLAST TYPE AND QUANTITY | | VOLTAGE | | OPTIONS | | ACCESSORIES | |
| O22 | (2) F17 T8 | Standard light output, for T8 lamps | | U | 120-277V | See pages | | See pages | |
| O23 | (3) F17 T8 | EP1 | (1) Instant start for (2), (3) or (4) lamps | 3 | 347V | 196-197 | | 196-197 | |
| O24 | (4) F17 T8 | EP2 | (2) Instant start for (2) or (4) lamps | | | | | | |
| O42 | (2) F32 T8 | EPD ¹ | (2) Instant start for (3) or (4) lamps | | | | | | |
| O43 | (3) F32 T8 | PS1 | (1) Programmed start for (2), (3) or (4) lamps | | | | | | |
| O44 | (4) F32 T8 | PS2 | (2) Programmed start for (2) or (4) lamps | | | | | | |
| | | PSD ¹ | (2) Programmed start for (3) or (4) lamps | | | | | | |
| | | High light output, for T8 lamps | | | | | | | |
| | | YP1 | (1) Instant start for (2), (3) or (4) lamps | | | | | | |
| | | PS2 | (2) Instant start for (2) or (4) lamps | | | | | | |
| | | YPD ¹ | (2) Instant start for (3) or (4) lamps | | | | | | |

¹ For lamps with inboard/outboard switching

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The HW Series wraparound luminaires are designed to provide maximum efficiency general lighting for institutional, industrial and retail environments.

The Prismawrap® refractor in the HW Series strikes the optimum balance of vertical and horizontal illumination. Precise optical design minimizes glare and completely obscures lamp images at normal viewing angles.

WRAPS

HW Series Narrow, Medium & Wide

HW

FEATURES:

- Lens hinged from either side and can be easily removed for maintenance
- Shipped fully assembled and ready to install
- Injection molded clear acrylic lens provides high vertical footcandles and high task contrast

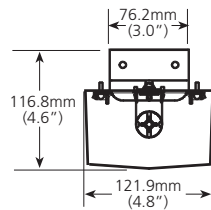


Example: HW S N 4 X S H61 O40 EP1 U CP1S B50

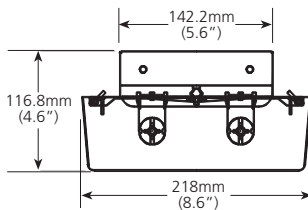
How to Construct a Catalog Number:

| HW | S | N | 4 | X | S | H61 |
|--------------|--------------------------|--------------------------------|----------------------|-----------------------|--------------|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| LUMINAIRE | CHANNEL GAUGE | HOUSING SIZE | LENGTH | REFLECTOR MATERIAL | DISTRIBUTION | DIFFUSER |
| HW HW Series | S 22 Gauge T 20 Gauge | N Narrow M Medium W Wide | 4 4 Feet 8 8 Feet | D White painted steel | S Spread | N only H61 ¹ Acrylic lens M only H71 ² Prismawrap® lens D71 ³ Prismawrap® lens W only H74 ² Prismawrap® lens 1 Injection-molded 2 Acrylic 3 Impact resistant acrylic |

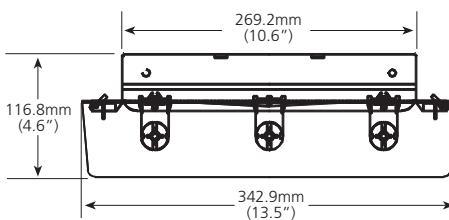
N | Narrow



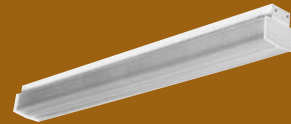
M | Medium



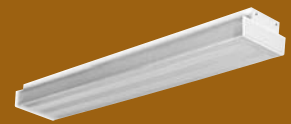
W | Wide



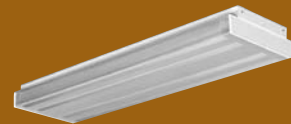
**FLUORESCENT
WRAPS**
MIRO® 4
HW Series



Narrow



Medium



Wide

| O40 | EP1 | U | CP1S | B50 |
|--|--|--|--------------------------|--------------------------|
| 8 | 9 | 10 | 11 | 12 |
| LAMP TYPE & CONFIGURATION | BALLAST TYPE AND QUANTITY | VOLTAGE | OPTIONS | ACCESSORIES |
| <p>"N" & "M" only</p> <p>O40 (1) F32 T8 O41¹ (2) F32 T8</p> <p>"M" & "W" only</p> <p>O42 (2) F32 T8 O43 (3) F32 T8 O45¹ (4) F32 T8 O47¹ (6) F32 T8</p> <p>"W" only</p> <p>O44 (4) F32 T8 O49¹ (8) F32 T8</p> <p>1 In tandem</p> | <p>"N" and "M" only</p> <p>Standard light output, for T8 lamps</p> <p>EP1¹ (1) Instant start for (1) or (2) lamps PS1 (1) Programmed start for (1) or (2) lamps</p> <p>High light output, for T8 lamps</p> <p>YP1 (1) Instant start for (1) or (2) lamps</p> <p>"M" and "W" only</p> <p>Standard light output, for T8 lamps</p> <p>EP2 (2) Instant start for (2) or (4) lamps in tandem EP3 (3) Instant start for (6) lamps in tandem EPD² (2) Instant start for (3) or (6) lamps PS1 (1) Programmed start for (2) or (3) lamps PS2 (2) Programmed start for (6) lamps PS3 (3) Programmed start for (6) lamps PSD² (2) Programmed start for (3) or (6) lamps</p> <p>High light output, for T8 lamps</p> <p>YP1 (1) Instant start for (2), (3) or (4) lamps YP2 (2) Instant start for (6) lamps YP3 (3) Instant start for (6) lamps YPD² (2) Instant start for (3) or (6) lamps</p> <p>"W" only</p> <p>Standard light output, for T8 lamps</p> <p>EP1 (1) Instant start for (4) lamps EP2 (2) Instant start for (8) lamps EP4 (4) Instant start for (8) lamps PS1 (1) Programmed start for (4) lamps PS2 (2) Programmed start for (8) lamps PS4 (4) Programmed start for (8) lamps</p> <p>High light output, for T8 lamps</p> <p>YP2 (2) Instant start for (8) lamps YP4 (4) Instant start for (8) lamps</p> <p>1 (4) lamps not available with "N" 2 For lamps with inboard/outboard switching</p> | <p>U 120-277V 3 347V</p> | <p>See pages 198-199</p> | <p>See pages 198-199</p> |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

A quiet complement to any interior environment, Holophane's wall mounted wraps offer effective down or up lighting functions with contemporary styling.

The WA Series luminaires are designed to provide a highly efficient light source for stairwells, bathrooms, corridors, or other areas where both vertical and horizontal lighting tasks need to be simultaneously serviced from a common wall location.

WALLMOUNTED WRAPS WA Series – Angled

WA

FEATURES:

- Angled 45° from vertical providing excellent horizontal and vertical illumination
- Useful for select indirect lighting applications
- Available in 2', 4' and 8' lengths
- Ceiling or wall mounted

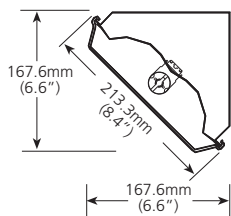
Example: WA S N 4 X N ACL O40 EP1 U CP1S



How to Construct a Catalog Number:

| WA 1 | S 2 | N 3 | 4 4 | X 5 | N 6 | ACL 7 |
|---------------------|--------------------------|--------------|--|--|--------------------------------|-------------------------|
| LUMINAIRE | CHANNEL GAUGE | HOUSING SIZE | LENGTH | REFLECTOR MATERIAL | DISTRIBUTION | DIFFUSER |
| WA Angled wallmount | S 22 Gauge T 20 Gauge | N Narrow | 2 2' Nominal 4 4' Nominal 8 8' Nominal | D White painted steel X Premium Miro® 4 specular aluminum | N Normal S Spread T Task | ACL 50% DR acrylic lens |

WA | Angled



FLUORESCENT
WALLMOUNTED WRAPS
 MIRO® 4
 WA Series



O40

8

LAMP TYPE & CONFIGURATION

- O20** (1) F17 T8
- O22** (2) F17 T8
- O40** (1) F32 T8
- O42** (2) F32 T8
- O41**¹ (2) F32 T8
- O45**¹ (4) F32 T8

¹ In tandem

EP1

9

BALLAST TYPE AND QUANTITY

Standard light output, for T8 lamps

- EP1** (1) Instant start for (1), (2) or (4) lamps
- EP2** (2) Instant start for (2) or (4) lamps
- PS1** (1) Programmed start for (1), (2) or (4) lamps

High light output, for T8 lamps²

- YP1** (1) Instant start for (1) or (2) lamps
- EP2** (2) Instant start for (2) or (4) lamps
- EPD**¹ (2) Instant start for (4) lamps
- YP2** (2) Instant start for (2) or (4) lamps
- YPD**¹ (2) Instant start for (4) lamps

¹ For lamps with inboard/outboard switching

U

10

VOLTAGE

- U** 120-277V
- 3** 347V

CP1S

11

OPTIONS

See pages
198-199

HOLOPHANE®

The WR Series wraparound luminaires are designed to provide efficient general lighting for institutional, industrial and retail environments, or wherever an economical, high-performance wraparound is beneficial. With its highly efficient specular optics, modern appearance and versatile features, the WR wraparound naturally lends itself as an ideal replacement for dated and inefficient louvered fixtures.

COMMERCIAL WRAPS WR Series Narrow & Medium WR

FEATURES:

- Reflector extends full width and length of the luminaire, maximizing light output
- Easy wiring and maintenance
- Shipped with lenses ready to install
- Miro® 4 enhanced specular aluminum reflector with 95% reflectivity



Example: WR 5 N 4 X N ACL O40 EP1 U CP1S SC18

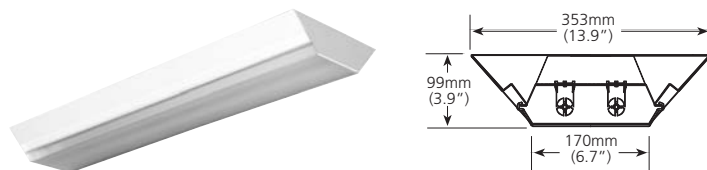
How to Construct a Catalog Number:

| WR | S | N | 4 | X | N | ACL |
|---------------|--------------------------|----------------------|------------------------------|--|--------------------------------|-------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| LUMINAIRE | CHANNEL GAUGE | HOUSING SIZE | LENGTH | REFLECTOR MATERIAL | DISTRIBUTION | DIFFUSER |
| WR Commercial | S 22 Gauge T 20 Gauge | N Narrow M Medium | 4 4' Nominal 8 8' Nominal | D White painted metal X Miro® 4 enhanced aluminum | N Normal S Spread T Task | ACL 50% DR acrylic lens |

WR | Narrow Channel

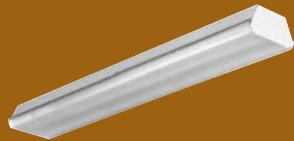


WR | Medium Channel

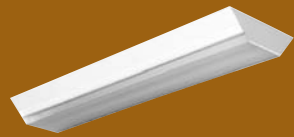


**FLUORESCENT
COMMERCIAL WRAPS**

MIRO® 4
WR Series



Narrow Channel



Medium Channel

| O40 8 | EP1 9 | U 11 | CP1S 12 | SC18 13 |
|--|--|------------------------------------|--------------------------|--------------------------|
| LAMP TYPE & CONFIGURATION | BALLAST TYPE AND QUANTITY | VOLTAGE | OPTIONS | ACCESSORIES |
| O40 (1) F32 T8 O42 (2) F32 T8 O43 (3) F32 T8 O41 ¹ (2) F32 T8 O45 ¹ (4) F32 T8 O47 ¹ (6) F32 T8 1 In tandem | Standard light output, for T8 lamps EP1 (1) Instant start for (1), (2), (3) or (4) lamps EP2 (2) Instant start for (2) or (4) lamps in tandem EP3 (3) Instant start for (6) lamps in tandem EPD ¹ (2) Instant start for (3) or (6) lamps PS1 (1) Programmed start for (1), (2), (3) or (4) lamps PS2 (2) Programmed start for (2), (4) or (6) lamps PS3 (3) Programmed start for (6) lamps PSD ¹ (2) Programmed start for (3) or (6) lamps High light output, for T8 lamps YP1 (1) Instant start for (1), (2), (3) or (4) lamps YP2 (2) Instant start for (4) or (6) lamps YP3 (3) Instant start for (6) lamps YPD ¹ (2) Instant start for (3) or (6) lamps 1 For lamps with inboard/outboard switching | U 120-277V 3 347V | See pages 198-199 | See pages 198-199 |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The CC series of fluorescent industrial luminaires is designed for interior locations where an attractive appearance must be combined with rugged performance and high efficiency.

Applications include gymnasiums, high-volume retail outlets, automotive service centers, and higher-end industrial plants. A variety of photometric distributions and lamp configurations are available to suit a range of lighting needs.

INDUSTRIALS CC Series

CC

FEATURES:

- Easy wiring and service provided by ample knockouts and removable reflector ballast cover
- Normal, spread and task photometric beams available
- Flush, post-painted knockouts on endplates provided to allow continuous row installations while maintaining a finished appearance at the ends of rows
- Standard attractive, post painted 1" deep linear metal baffle provides greater visual comfort while maximizing photometric performance

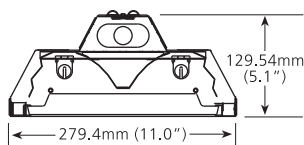


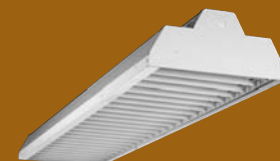
Example: CC G 4 X A B0 S O42 EP1 1

How to Construct a Catalog Number:

| CC | G | 4 | X | A | B0 |
|--------------|---|------------------------------|---|--|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| LUMINAIRE | MOUNTING | HOUSING SIZE | REFLECTOR MATERIAL | DISTRIBUTION | SHIELD |
| CC CC Series | G 22 Gauge (.030"), galvanized steel P 20 Gauge (.036"), steel | 4 4' Nominal 8 8' Nominal | X Premium Miro® 4 specular aluminum (.020") <small>1 Miro® 4 is a registered trademark of Alanod</small> | T8 Lamp version A Asymmetric N Normal T5HO Lamp version S Spread T Task | B0 1" White baffle NN None WG Wire grille |

CC | CC Series





| S 7 | O42 8 | EP1 9 | 1 10 |
|---------------------------------------|--|--|---|
| UPLIGHT S None U Uplight | LAMP TYPE & CONFIGURATION <u>T8 Lamp version</u> O42 (2) F32 T8 O43 (3) F32 T8 O45 (4) F32 T8 O47 (6) F32 T8 <u>T5HO Lamp version</u> K42 (2) F54 T5HO K43 (3) F54 T5HO K45 (4) F54 T5HO K46 (6) F54 T5HO | BALLAST TYPE AND QUANTITY <u>Standard light output for T8 lamps</u> EP1 (1) Instant start for (2), (3) or (4) lamps EP2 (2) Instant start for (2), (4) or (6) lamps EP3 (3) Instant start for (6) lamps EPD ¹ (2) Instant start for (3) or (6) lamps PS1 (1) Programmed start for (2), (3), or (4) lamps PS2 (2) Programmed start for (6) lamps PS3 (3) Programmed start for (6) lamps PSD ¹ (2) Programmed start for (3) or (6) lamps <u>High light output for T8 lamps</u> YP1 (1) Instant start for (2), (3), or (4) lamps YP2 (2) Instant start for (2), (4), or (6) lamps YP3 (3) Instant start for (6) lamps YPD ¹ (2) Instant start for (3) lamps <u>Standard light output for T5HO lamps</u> MK1 (1) Programmed start for (2) lamps MK2 (2) Programmed start for (2) lamps MK3 (3) Programmed start for (6) lamps MKD ¹ (2) Programmed start for (3) lamps | VOLTAGE 1 120V 2 277V 3 347V U 120V-277V |

¹ For lamps with inboard/outboard switching

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

INDUSTRIALS HD Series

HD

The HD introduces an architecturally sensitive alternative to the typically boxy fluorescent high bay. Combining side perforations and uplight slots with a linear white baffle, the suspended HD is a low-glare, low-contrast direct luminaire that provides a high-lumen package utilizing T5 and T5HO lamps. Designed for easy mounting from two points with nearly invisible steel cable, the HD can also be supported with chains, pendants, or rods. The attractive powdercoat finish is available in a variety of colors (white is standard).

FEATURES:

- Designed as a stand-alone fixture
- Ideally suited for mounting heights of 12' to 20' in retail, office educational, and assembly areas, for general lighting as well as task lighting
- Multi-level illumination can be easily accommodated with multi-switched ballasts and/or dimming ballasts

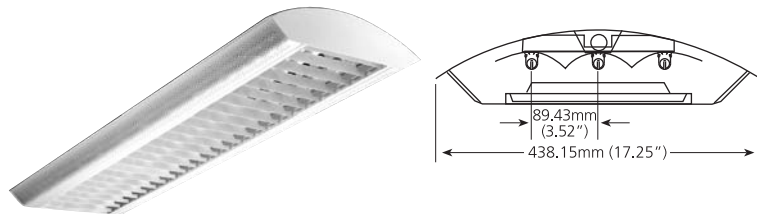
Example: HD V 4 D T B01 S K43 MK1 H PAF



How to Construct a Catalog Number:

| HD 1 | V 2 | 4 3 | D 4 | T 5 | B01 6 |
|------------------------|-------------------------------------|-------------------------|--|--------------------|------------------------------------|
| LUMINAIRE | HOUSING | HOUSING SIZE | REFLECTOR MATERIAL | DISTRIBUTION | SHIELD |
| HD HD Series, 18" wide | V Cold rolled 22 gauge steel (.30") | 4 18" wide x 4' nominal | D White paint X Miro® 4 (.020") <small>1 Miro® 4 is a registered trademark of Alanod</small> | N Normal T Task | B01 Standard 1" baffle NNN Open |

HD | HD Series

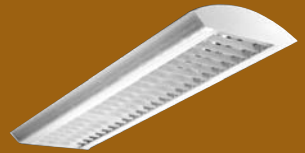


FLUORESCENT

INDUSTRIALS

MiRO® 4

HD Series



S

7

UPLIGHT

- S** Venting slots only
- U** Uplight (standard)

K43

8

LAMP TYPE & CONFIGURATION

- K43** (3) F54 T5HO
- K44** (4) F54 T5HO
- L43** (3) F28 T5
- L44** (4) F28 T5

MK1

9

BALLAST TYPE AND QUANTITY

- Standard light output for T5HO lamps**
- MK1** (1) Programmed start for (3) or (4) lamps
- MKD**¹ (2) Programmed start for (2) lamps
- Standard light output for T5 lamps**
- ML1** (1) Programmed start for (3) or (4) lamps
- MLD**¹ (2) Programmed start for (2) lamps

¹ For lamps with inboard/outboard switching

H

10

VOLTAGE

- U** Universal
120V-277V
- H** 347V or 480V
(T5HO only)

PAF

11

PAINT

- PAF** Paint after fabrication
standard white

12

OPTIONS

- Consult your local
Holophane factory
sales representative

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The versatile HSN and HSM Series offer an energy efficient solution utilizing specular reflectors to provide premium performance from an economical alternative. Designed to provide maximum efficiency lighting for institutional, industrial, and commercial environments, the HSN and HSM commercial channels offer a variety of photometry to suit a range of application needs.

INDUSTRIALS HSN/HSM Series Narrow & Medium HSN | HSM

FEATURES:

- Available in 4' and 8' nominal lengths
- Miro® 4 enhanced specular aluminum reflector with 95% reflectivity
- Combination endplate/channel connector furnished with each fixture
- Specular reflector/ballast cover secured by captive quarter-turn fasteners for easy access to wireway

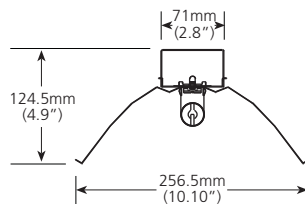


Example: HSN S 04 X NNN U O40 EP1 U CP1TB WGS044

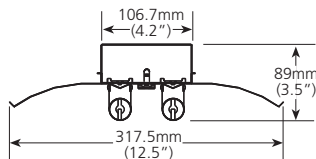
How to Construct a Catalog Number:

| HSN | | S | 04 | X | NNN | U | |
|-----------|--------|---------------|------------------|--------------------|-------------------|-----------------------------------|---|
| 1 | | 2 | 3 | 4 | 5 | 6 | |
| LUMINAIRE | | CHANNEL GAUGE | | REFLECTOR MATERIAL | | DISTRIBUTION | |
| HSN | Narrow | S | 22 Gauge (.030") | D ¹ | FTT ¹ | Focus | P |
| HSM | Medium | T | 20 Gauge (.036") | X | NNN | Normal | S |
| | | | 04 | 4' Nominal | SAAs | Spread | U |
| | | | 08 | 8' Nominal | TTT | Task | |
| | | | | Y ² | "HSM" only | | |
| | | | | | BGG | Broad | |
| | | | | | F30 | 30° Asymmetric beam | |
| | | | | | NHH | Normal | |
| | | | | | NWG | Normal reflector wire guard slots | |
| | | | | | SHH | Spread | |
| | | | | | TWG | Task reflector wire guard slots | |
| | | | | | 1 "HSN" only | | |
| | | | | | | | |
| | | | | | | | |

HSN | Narrow Channel



HSM | Medium Channel - Broad



FLUORESCENT

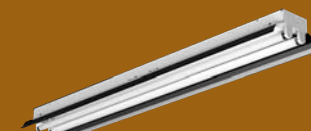
INDUSTRIALS

MIRO® 4

HSN/HSM Series



Narrow Channel



Medium Channel

| O40 7 | EP1 8 | U 9 | CP1TB 10 | WGS044 11 |
|---|--|---|--------------------------|--------------------------|
| LAMP TYPE & CONFIGURATION | BALLAST TYPE AND QUANTITY | VOLTAGE | OPTIONS | ACCESSORIES |
| <p>HSN</p> <p>O40 (1) F32 T8 O41¹ (2) F32 T8</p> <p>HSM</p> <p>O40 (1) F32 T8 O41¹ (2) F32 T8 O42 (2) F32 T8 O43 (3) F32 T8 O45¹ (4) F32 T8 O47¹ (6) F32 T8</p> <p><small>1 In tandem</small></p> | <p>HSN</p> <p>Standard light output, for T8 lamps</p> <p>EP1¹ (1) Instant start for (1) or (2) lamps EP2 (2) Instant start for (2) lamps PS1 (1) Programmed start for (1) or (2) lamps</p> <p>High light output, for T8 lamps</p> <p>YP1 (1) Instant start for (1 or (2) lamps</p> <p>HSM</p> <p>Standard light output, for T8 lamps</p> <p>EP1¹ (1) Instant start for (1) or (2) lamps EP2 (2) Instant start for (2) or (6) lamps PS1 (1) Programmed start for (1), (2) or (3) lamps</p> <p>High light output, for T8 lamps</p> <p>YP1 (1) Instant start for (1 or (2) lamps</p> <p>Standard light output, for T8 lamps</p> <p>EP3 (3) Instant start for (6) lamps in tandem EPD² (2) Instant start for (3), (4) or (6) lamps PS2 (2) Programmed start for (6) lamps PS3 (3) Programmed start for (6) lamps PSD² (2) Programmed start for (3) or (6) lamps</p> <p>High light output, for T8 lamps</p> <p>YP2 (2) Instant start for (6) lamps YP3 (3) Instant start for (6) lamps YPD² (2) Instant start for (3) or (6) lamps</p> | <p>U 120-277V 3 347V</p> | <p>See pages 200-201</p> | <p>See pages 200-201</p> |
| | <p><small>1 (3) or (4) lamps not available with "HSN"</small> <small>2 For lamps with inboard/outboard switching</small></p> | | | |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

Designed to provide maximum efficiency lighting for industrial and commercial environments, the HIS specialty industrial luminaire offers a variety of photometry to suit a range of application needs.

The precision engineered specular reflectors optimize distribution while strategically positioned lamps maximize illumination directly onto the vertical surface, resulting in excellent visibility on the task and lower energy consumption.

INDUSTRIALS HIS Series

HIS

FEATURES:

- Rugged industrial housing provides added durability
- Miro® 4 enhanced specular aluminum reflector with 95% reflectivity
- Screw-on endplates
- Channel connectors furnished standard
- Optional clamp-on hangers available for ease of installation
- Plastic joiner clips provided for continuous row configuration

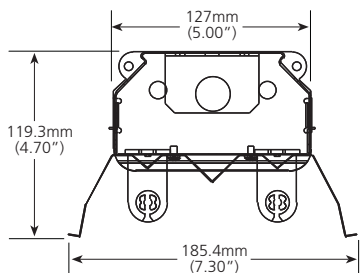
Example: HIS S 04 X SNN N O40 EP1 U B90 MHHC



How to Construct a Catalog Number:

| HIS | S | 04 | X | SNN | N |
|-----------|---------------|--------------------------------|---|-------------------------|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| LUMINAIRE | CHANNEL GAUGE | LENGTH | REFLECTOR MATERIAL | DISTRIBUTION | UPLIGHT |
| HIS Wide | S 22 Gauge | 04 4' Nominal 08 8' Nominal | X Premium Miro® 4 specular aluminum (.020") Y' Premium Miro® 4 specular aluminum (.032") | SWW Spread FTT Focus | P Perforations S No upright U Uplight slots |

HIS | Wide Channel



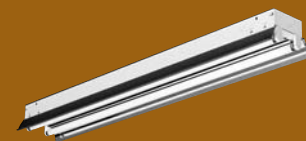
FLUORESCENT

INDUSTRIALS

MIRO® 4

HIS Series

Wide Channel



| O40 | EP1 | U | B90 | MHHC |
|---|---|------------------------------------|-------------------|-------------------|
| 7 | 8 | 9 | 10 | 11 |
| LAMP TYPE & CONFIGURATION | BALLAST TYPE AND QUANTITY | VOLTAGE | OPTIONS | ACCESSORIES |
| O42 (2) F32 T8 O43 (3) F32 T8 O45 ¹ (4) F32 T8 O47 ¹ (6) F32 T8 1 In tandem | Standard light output, for T8 lamps EP1 (1) Instant start for (2), (3) or (4) lamps EP2 (2) Instant start for (2) or (6) lamps in tandem EP3 (3) Instant start for (6) lamps in tandem EPD ¹ (2) Instant start for (3) or (6) lamps PS1 (1) Programmed start for (2), (3) or (4) lamps PS2 (2) Programmed start for (2) or (6) lamps PS3 (3) Programmed start for (6) lamps PSD ¹ (2) Programmed start for (3) or (6) lamps High light output, for T8 lamps YP1 (1) Instant start for (2), (3) or (4) lamps YP2 (2) Instant start for (2), (4) or (6) lamps YP3 (3) Instant start for (6) lamps YPD ¹ (2) Instant start for (3) or (6) lamps 1 For lamps with inboard/outboard switching | U 120-277V 3 347V | See pages 200-201 | See pages 200-201 |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The IC luminaire is a highly versatile light source that performs exceptionally well in both light industrial and specialty retail environments. Ideal applications for the IC luminaire include task and aisle lighting for warehouse and retail settings, and general lighting for open assembly and retail distribution areas.

INDUSTRIALS IC Series – Standard Industrial IC

FEATURES:

- Low profile, light weight housing and reflectors are easy to install and align
- Lamps positioned outside luminaire body permit 10% indirect component with uplight option
- Optional sliding support bracket allows for ease of installation
- Luminaire efficiency for all versions are 90% or better using optimized reflector designs
- Miro® 4 enhanced specular aluminum reflector with 95% reflectivity

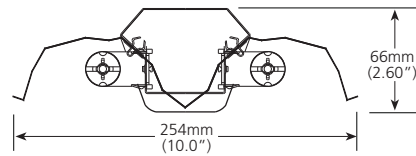
Example: IC S 04 X SSS U O42 EP1 U PLF1G MHICS



How to Construct a Catalog Number:

| IC | S | 04 | X | SSS | U |
|------------------------|--------------------|--------------------------------|--|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| LUMINAIRE | CHANNEL GAUGE | LENGTH | REFLECTOR MATERIAL | DISTRIBUTION | UPLIGHT |
| IC Standard Industrial | S 22 Gauge (.030") | 04 4' Nominal 08 8' Nominal | X Miro® 4 enhanced aluminum Y Premium Miro® 4 enhanced aluminum | SSS Spread TAS Asymmetric TST ¹ Task | P Perforations S No uplight U Uplight slots |
| | | | | ¹ Available with "Y" material only | |

IC | Standard Industrial



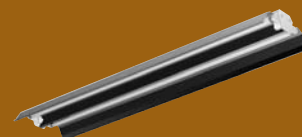
FLUORESCENT

INDUSTRIALS

MIRO® 4

IC Series

Standard



| O42 7 | EP1 8 | U 9 | PLF1G 10 | MHICS 11 |
|--|---|---|--------------------------|--------------------------|
| LAMP TYPE & CONFIGURATION | BALLAST TYPE AND QUANTITY | VOLTAGE | OPTIONS | ACCESSORIES |
| <p>O42 (2) F32 T8 O45¹ (4) F32 T8</p> <p>¹ In tandem</p> | <p>Standard light output, for T8 lamps EP1 (1) Instant start for (2) or (4) lamps EP2 (2) Instant start for (2) lamps EPD¹ (1) Instant start for (4) lamps PS1 (1) Programmed start for (2) or (4) lamps</p> <p>High light output, for T8 lamps YP1 (1) Instant start for (2) or (4) lamps YPD¹ (2) Instant start for (4) lamps</p> <p>¹ For lamps with inboard/outboard switching</p> | <p>U 120-277V 3 347V</p> | <p>See pages 200-201</p> | <p>See pages 200-201</p> |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

The focused beam of the TN Series offers an energy efficient solution to light high stacks or tall racks of goods. The one lamp profile luminaire directs a precisely aimed, narrow beam of light into the aisle way providing full visibility of vertical surfaces.

INDUSTRIALS

TN Series – Very Narrow Channel

TN

FEATURES:

- Highly efficient fixture suitable for surface mounting to any type ceiling
- 1-lamp T5 or T5HO profile
- Focus distribution
- Easy wiring and maintenance
- Miro® 4 enhanced specular aluminum reflector with 95% reflectivity
- Contact rep for special continuous row applications

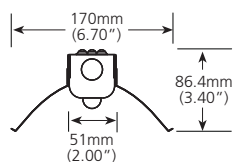
Example: TN T 04 X FTT S K40 MK1 U PLF1G THS08J2



How to Construct a Catalog Number:

| TN | T | 04 | X | FTT | S |
|------------------------|--------------------|--------------------------------|--|--------------|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| LUMINAIRE | CHANNEL GAUGE | LENGTH | REFLECTOR MATERIAL | DISTRIBUTION | UPLIGHT |
| TN Very Narrow Channel | T 20 gauge (.036") | 04 4' nominal 08 8' nominal | X Miro® 4 enhanced aluminum (.020") Y Premium Miro® 4 enhanced aluminum | FTT Focus | P Perforations S No uplight U Uplight slots |

TN | Very Narrow Channel



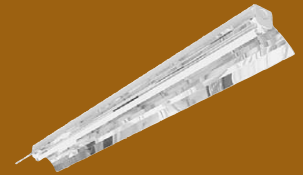
FLUORESCENT

INDUSTRIALS

MIRO® 4

TN Series

Very Narrow Channel



| K40 7 | MK1 8 | U 9 | PLF1G 10 | THS08J2 11 |
|--|---|--|---------------------------|-----------------------------|
| LAMP TYPE & CONFIGURATION | BALLAST TYPE AND QUANTITY | VOLTAGE | OPTIONS | ACCESSORIES |
| K40 (1) F54 T5HO L40 (1) F28 T5 K41 ¹ (2) F54 T5HO L41 ¹ (2) F28 T5 | Standard light output, for T5 lamps ML1 (1) Programmed start for (1) or (2) lamps Standard light output, for T5HO lamps MK1 (1) Programmed start for (1) or (2) lamps MK2 (2) Programmed start for (2) lamps | U 120-277V H 347-480V | See pages 200-201 | See pages 200-201 |

¹ In tandem

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The IW Series heavy-duty industrial incorporates specular reflectors to precisely direct and control the light. The rugged housing is designed to be installed into the most demanding of applications. It is designed for interior locations where an attractive appearance must be combined with rugged performance and high efficiency. Applications include gymnasiums, high-volume retail outlets, automotive service centers and higher-end industrial plants.

INDUSTRIALS

IW Series – Premium Industrial

IW

FEATURES:

- Easy wiring and maintenance
- Normal, spread and task photometric beams available
- One, two or three lamp profile reflectors extend full length of channel, maximizing light output
- Miro® 4 enhanced specular aluminum reflector with 95% reflectivity

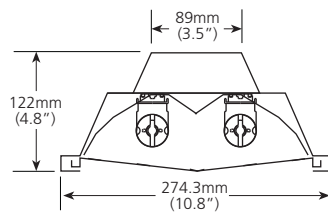
Example: IW T 04 X S NN S O40 EP1 U CP1TL10 SC24



How to Construct a Catalog Number:

| IW | T | 04 | X | S | NN | S |
|--------------|--|--------------------------------|--|---|--|---------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| LUMINAIRE | CHANNEL GAUGE | LENGTH | REFLECTOR MATERIAL | DISTRIBUTION | DIFFUSER | UPLIGHT |
| IW IW Series | T 20 Gauge (.036") G 20 Gauge (.036") 1 Galvanized | 04 4' Nominal 08 8' Nominal | D White painted steel X Miro® 4 enhanced aluminum | S ¹ Spread T ¹ Task N ² Normal 1 "X" reflector only 2 "D" reflector only | BO White baffle - 1" PB Polycarbonate lens NN Open WG Wire grille | S No upright U Uplight slots |

IW | Premium Industrial



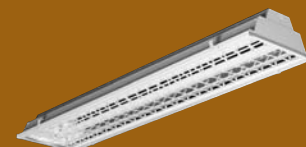
FLUORESCENT

INDUSTRIALS

MIRO® 4

IW Series

Premium Industrial



| O40 8 | EP1 9 | U 10 | CP1TL10 11 | SC24 12 |
|---|--|------------------------------------|-------------------|-------------------|
| LAMP TYPE & CONFIGURATION | BALLAST TYPE AND QUANTITY | VOLTAGE | OPTIONS | ACCESSORIES |
| O40 (1) F32 T8 O42 (2) F32 T8 O43 (3) F32 T8 O41¹ (2) F32 T8 O45¹ (4) F32 T8 O47¹ (6) F32 T8 1 In tandem | Standard light output, for T8 lamps EP1 (1) Instant start for (1), (2), (3) or (4) lamps EP2 (2) Instant start for (2), (4) or (6) lamps in tandem EP3¹ (3) Instant start for (6) lamps EPD² (2) Instant start for (3) or (6) lamps PS1 (1) Programmed start for (1), (2), (3) or (4) lamps PS2 (2) Programmed start for (2), (4) or (6) lamps PS3 (3) Programmed start for (6) lamps PSD² (2) Programmed start for (3) or (6) lamps High light output, for T8 lamps YP1 (1) Instant start for (1), (2), (3) or (4) lamps YP2 (2) Instant start for (2), (4) or (6) lamps YP3 (3) Instant start for (6) lamps YPD² (2) Instant start for (3) or (6) lamps 1 In tandem 2 For lamps with inboard/outboard switching | U 120-277V 3 347V | See pages 200-201 | See pages 200-201 |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The IT Series exemplifies the sturdy manufacturing and intelligent design that sets Holophane luminaires apart from others in the industry. Structurally robust yet architecturally pleasing, this durable luminaire is designed for rugged applications such as industrial, commercial, welding or automotive inspection areas.

INDUSTRIALS

IT Series – Heavy Duty Industrial

IT

FEATURES:

- Housing is constructed of heavy duty 20 gauge CRS
- Can be mounted at 0 or 45 degrees to allow precise aiming of beam
- Easy wiring and maintenance provided by ample knockouts and removable reflector ballast cover
- Normal, spread and task photometric beams available
- Spot welded, 10 gauge steel mounting brackets provide rigid support
- All exposed surfaces powder-coated for maximum durability
- Miro® 4 enhanced specular aluminum reflector with 95% reflectivity

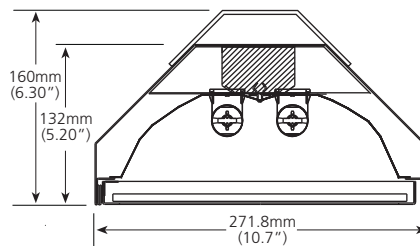
Example: IT G 14 X S WGG 042 EP1 U CP1TL10 B50



How to Construct a Catalog Number:

| IT | G | 14 | X | S | WGG |
|--------------------------|-------------------------|--------------------------------|---|--------------------------------|--|
| 1 | 2 | 3 | 4 | 5 | 6 |
| LUMINAIRE | HOUSING | SIZE | REFLECTOR MATERIAL | DISTRIBUTION | DIFFUSER |
| IT Heavy Duty Industrial | G Galvanized W White | 14 4' Nominal 18 8' Nominal | D ¹ White painted steel X Miro® 4 enhanced aluminum .020" <small>1 Available with "N" only</small> | N Normal S Spread T Task | CAC Clear acrylic CGL Tempered glass H24 Acrylic #8244 H55 Acrylic #6255 POL Polycarbonate WGN Wire grill WGG Wire grill with glass WGH Wire grill with H24 |

IT | Heavy Duty Industrial



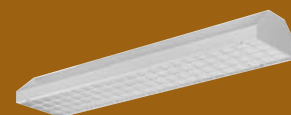
FLUORESCENT

INDUSTRIALS

MiRO® 4

IT Series

Heavy Duty Industrial



| O42 8 | EP1 9 | U 10 | CP1TL10 11 | B50 12 |
|--|---|---|----------------------|----------------------|
| LAMP TYPE & CONFIGURATION | BALLAST TYPE AND QUANTITY | VOLTAGE | OPTIONS | ACCESSORIES |
| O40 (1) F32 T8 O42 (2) F32 T8 O41 (2) F32 T8 O45 (4) F32 T8 K40 (1) F54 T5HO K42 (2) F54 T5HO K41 (2) F54 T5HO K45 (4) F54 T5HO | Standard light output, for T8 lamps EP1 (1) Instant start for (1), (2) or (4) lamps EP2 (2) Instant start for (2) or (4) lamps High light output, for T8 lamps YP1 (1) Instant start for (2), (3) or (4) lamps Standard light output, for T5HO lamps MK1 (1) Programmed start MK2 (2) Programmed start | U 120-277V H 347-480V 1 T5HO only | See pages 200-201 | See pages 200-201 |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

STRIPS

HSN/HSM Series Commercial Narrow & Medium

HSN | HSM

FEATURES:

- Easy wiring and maintenance
- High gloss baked white enamel finish
- Highly efficient fixture suitable for surface mounting to any type of ceiling
- Combination endplate/channel connector furnished with each fixture

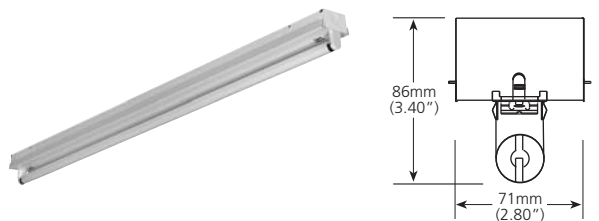


Example: HSN S 04 D SNN N O40 EP1 U GMF MHHC

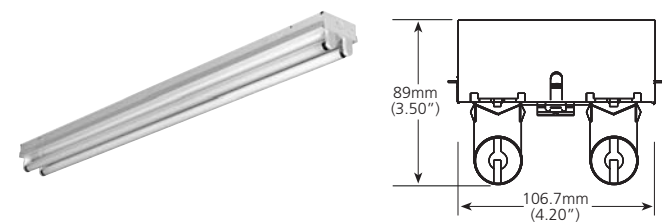
How to Construct a Catalog Number:

| HSN | S | 04 | D | SNN | N |
|------------|--------------------|---------------|-------------------------------|--------------|----------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| LUMINAIRE | CHANNEL GAUGE | LENGTH | REFLECTOR MATERIAL | DISTRIBUTION | UPLIGHT |
| HSN Narrow | S 22 Gauge (.030") | 04 4' Nominal | D White painted ballast cover | SNN Spread | N No reflector |
| HSM Medium | T 20 Gauge (.036") | 08 8' Nominal | | | |

HSN | Commercial Narrow



HSM | Commercial Medium



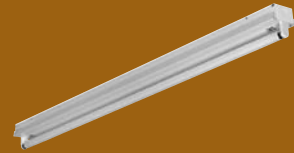
FLUORESCENT

STRIPS

MIRO® 4

HSN, HSM Series

Commercial



HSN



HSM

| O40 7 | EP1 8 | U 9 | GMF 10 | MHHC 11 |
|---|---|---|--------------------------|--------------------------|
| LAMP TYPE & CONFIGURATION | BALLAST TYPE AND QUANTITY | VOLTAGE | OPTIONS | ACCESSORIES |
| <p>HSN</p> <p>O40 (1) F32 T8 O41¹ (2) F32 T8</p> <p>HSM</p> <p>O40 (1) F32 T8 O41¹ (2) F32 T8 O42 (2) F32 T8 O43 (3) F32 T8 O45¹ (4) F32 T8 O47¹ (6) F32 T8</p> <p>¹ In tandem</p> | <p>HSN</p> <p>Standard light output, for T8 lamps</p> <p>EP1 (1) Instant start for (1), (2) or (3) lamps EP2 (2) Instant start for (2) lamps PS1 (1) Programmed start for (1) or (2) lamps</p> <p>High light output, for T8 lamps</p> <p>YP1 (1) Instant start for (1) or (2) lamps</p> <p>HSM</p> <p>Standard light output, for T8 lamps</p> <p>EP1 (1) Instant start for (1), (2), (3) or (4) lamps EP2 (2) Instant start for (2) or (6) lamps PS1 (1) Programmed start for (1), (2) or (3) lamps</p> <p>High light output, for T8 lamps</p> <p>YP1 (1) Instant start for (1), (2) or (3) lamps</p> <p>Standard light output, for T8 lamps</p> <p>EP3 (3) Instant start for (6) lamps in tandem EPD¹ (2) Instant start for (3), (4) or (6) lamps PS2 (2) Programmed start for (6) lamps PS3 (3) Programmed start for (6) lamps PSD¹ (2) Programmed start for (3), (4) or (6) lamps</p> <p>High light output, for T8 lamps</p> <p>YP2 (2) Instant start for (6) lamps YP3 (3) Instant start for (6) lamps YPD¹ (2) Instant start for (3) or (4) lamps</p> <p>¹ For lamps with inboard/outboard switching</p> | <p>U 120-277V 3 347V</p> | <p>See pages 202-203</p> | <p>See pages 202-203</p> |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The HIS (very wide) Series provides high efficiency illumination for mercantile applications, warehouses and store rooms where added durability from rugged construction is desired.

STRIPS HIS Series Commercial Wide HIS

FEATURES:

- Screw on end plates
- Optional clamp-on hangers available for ease of installation
- Easy wiring and maintenance
- High gloss baked white enamel finish
- Highly efficient fixture suitable for surface mounting to any type ceiling
- Combination end plate/channel connector furnished with each luminaire

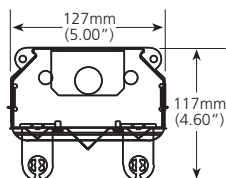
Example: HIS S 04 D SNN N O40 EP1 U CP1T MHTHUN



How to Construct a Catalog Number:

| HIS | S | 04 | D | SNN | N |
|-----------|---------------|--------------------------------|-------------------------------|--------------|----------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| LUMINAIRE | CHANNEL GAUGE | LENGTH | REFLECTOR MATERIAL | DISTRIBUTION | UPLIGHT |
| HIS Wide | S 22 Gauge | 04 4' Nominal 08 8' Nominal | D White painted ballast cover | SNN Spread | N No reflector |

HIS | Commercial Wide



FLUORESCENT

STRIPS

MiRO® 4

HIS Series

Commercial



| O40 | EP1 | U | CP1T | MHTHUN |
|---|---|---|--------------------------|--------------------------|
| 7 | 8 | 9 | 10 | 11 |
| LAMP TYPE & CONFIGURATION | BALLAST TYPE AND QUANTITY | VOLTAGE | OPTIONS | ACCESSORIES |
| <p>O42 (2) F32 T8 O43 (3) F32 T8 O45¹ (4) F32 T8 O47¹ (6) F32 T8</p> <p>¹ In tandem</p> | <p>Standard light output, for T8 lamps EP1 (1) Instant start for (2), (3) or (4) lamps EP2 (2) Instant start for (2) or (6) lamps EP3 (3) Instant start for (6) lamps in tandem EPD¹ (2) Instant start for (3) or (6) lamps PS1 (1) Programmed start for (2) or (3) lamps PS2 (2) Programmed start for (6) lamps PS3 (3) Programmed start for (6) lamps PSD¹ (2) Programmed start for (3), (4) or (6) lamps</p> <p>High light output, for T8 lamps YP1 (1) Instant start for (2) or (3) lamp YP2 (2) Instant start for (6) lamps YP3 (3) Instant start for (6) lamps YPD¹ (2) Instant start for (3) or (4) lamps</p> <p>¹ For lamps with inboard/outboard switching</p> | <p>U 120-277V 3 347V</p> | <p>See pages 202-203</p> | <p>See pages 202-203</p> |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The TN (very narrow) Series provides high efficiency illumination for mercantile applications, warehouses and store rooms where a small profile is desired.

STRIPS TN Series Very Narrow TN

FEATURES:

- Highly efficient luminaire suitable for surface mounting to any type ceiling
- Easy wiring and maintenance
- 1 Lamp T5 or T5HO profile
- High gloss baked white enamel finish

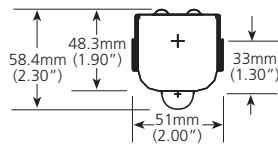
Example: TN T 04 D SNN N K40 MK1 U GLR THS08J2



How to Construct a Catalog Number:

| TN | T | 04 | D | SNN | N |
|----------------|--------------------|--------------------------------|-------------------------------|--------------|----------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| LUMINAIRE | CHANNEL GAUGE | LENGTH | REFLECTOR MATERIAL | DISTRIBUTION | UPLIGHT |
| TN Very Narrow | T 20 Gauge (.036") | 04 4' Nominal 08 8' Nominal | D White painted ballast cover | SNN Spread | N No reflector |

TN | Commercial Very Narrow



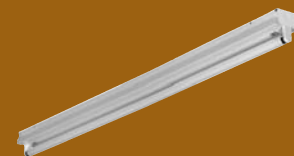
FLUORESCENT

STRIPS

MIRO® 4

TN Series

Commercial



| K40 7 | MK1 8 | U 9 | GLR 10 | THS08J2 11 |
|--|---|--|----------------------|----------------------|
| LAMP TYPE & CONFIGURATION | BALLAST TYPE AND QUANTITY | VOLTAGE | OPTIONS | ACCESSORIES |
| K40 (1) T5HO L40 (1) T5 K41 ¹ (2) T5HO L41 ¹ (2) T5 | Standard light output, for T5 lamps ML1 (1) Programmed start for (1) or (2) lamps Standard light output, for T5HO lamps MK1 (1) Programmed start for (1) or (2) lamps MK2 (2) Programmed start for (2) lamps | U 120-277V H 347-480V | See pages 202-203 | See pages 202-203 |
| ¹ In tandem | | | | |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The Controlume Series is ideal for harsh or wet environments where materials such as steel and aluminum may deteriorate. Applications requiring emergency power, impact resistance, battery backup, instant-on starting or hot-restrike such as storage area, water treatment plants, industrial spaces, parking garages, waste-water treatment facilities or locker rooms will find this luminaire to be the fixture of choice.

SPECIALTY Controlume®

CTL

FEATURES:

- Self extinguishing, lightweight and durable polycarbonate housing construction
- Excellent moisture and dust penetration resistance
- Flush fitting and impact resistant
- Fiberglass reinforced clips will not rust
- Clean, architectural styling

IP 66 RATED

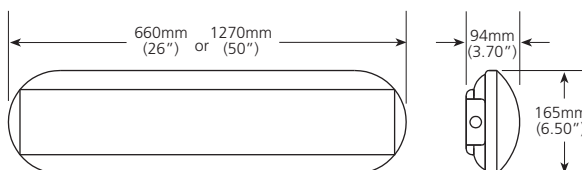


Example: CTL 4 HT 0 254 U F1

How to Construct a Catalog Number:

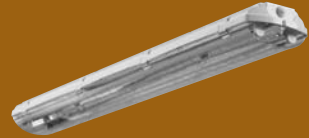
| CTL 1 | 4 2 | HT 3 | 0 4 | 254 5 |
|----------------|----------------------|--|---|--|
| LUMINAIRE | LENGTH | OPERATION | EMERGENCY LAMP QTY. | LAMP TYPE & CONFIGURATION |
| CTL Controlume | 2 2 Feet 4 4 Feet | HT AC SE Emergency SA AC and emergency | 0 2 Lamp AC 1 1 Lamp emergency 2 2 Lamp emergency | 217 (2) 17W T8 214 (2) 14W T5 224 (2) 24W T5HO 232 (2) 32W T8 228 (2) 28W T5 254 (2) 54W T5HO |

CTL | Controlume



FLUORESCENT
SPECIALTY

Controlume®



U
6

VOLTAGE

U 120-277V
3 347V
H 347-480V
1 T8 only
2 T5 only

F1
7

OPTIONS

F1 Single fusing

HOLOPHANE®

The EM/EN Series is an attractive and energy-efficient surface-mount or suspended linear fluorescent luminaire, suitable for wet, damp, and/or cold locations. For challenging situations where relatively low fixture mounting heights and wide fixture spacings are common, the EM/EN Series offers an ideal solution with its wide photometric distribution, low profile, and impact-resistant construction.

SPECIALTY EM/EN Series

EM | EN

FEATURES:

- Attractively contoured diffuser obscures lamp image while maintaining high transmission of light
- Miro® 4 enhanced specular aluminum reflector with 95% reflectivity
- Stainless steel latches and hanging brackets are standard (STSL MTH)
- Pre-drilled holes for power connection with watertight plugs provided for maximum flexibility
- Available with many electronic ballast options

IP 65 RATED

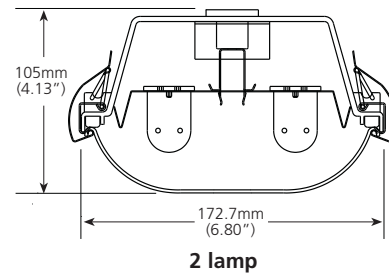
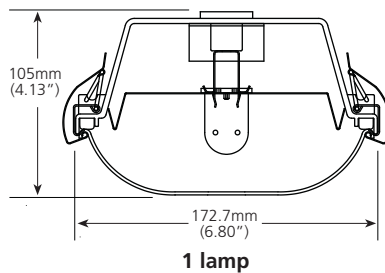


Example: EM S 04 Y S BMP O40 EP1 U STSL MHT

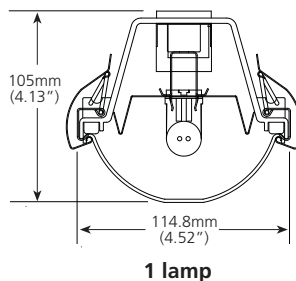
How to Construct a Catalog Number:

| EM | S | 04 | Y | S | BMP |
|--|--------------------|--|-------------------------------------|----------------------------------|--|
| 1 | 2 | 3 | 4 | 5 | 6 |
| LUMINAIRE | CHANNEL GAUGE | LENGTH | REFLECTOR MATERIAL | DISTRIBUTION | LENS |
| EM 7" Wide (medium) EN 4" Wide (narrow) | S 22 Gauge (.030") | 04 4' Nominal 08' 8' Nominal 1 EM only | Y Miro® 4 enhanced aluminum (.032") | B Broad S Spread 1 EM only | BMP Molded polycarbonate, 4' only IMA Injection molded acrylic, 4' and 8' |

EM | Medium



EN | Narrow



FLUORESCENT

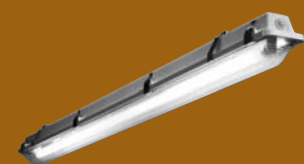
SPECIALTY

MIRO® 4

EM/EN Series



EM Series



EN Series

| O40 7 | EP1 8 | U 9 | STSL 10 | MHT 11 |
|--|---|---|-------------------|-------------------|
| LAMP TYPE & CONFIGURATION | BALLAST TYPE AND QUANTITY | VOLTAGE | OPTIONS | ACCESSORIES |
| O40 (1) F32 T8 K40 (1) F54 T5HO EM only O41 ¹ (2) F32 T8 O42 (2) F32 T8 O45 ¹ (4) F32 T8 K41 ¹ (2) F54 T5HO K42 ² (2) F54 T5HO K45 ^{1,2} (4) F54 T5HO 1 In tandem 2 Thermal limitations contact local factory sales representative for further details | Standard light output, for T8 lamps EP1 (1) Instant start for (1) lamp PS1 (1) Programmed start for (1) lamp Standard light output, for T5HO lamps MK1 (1) Programmed start for (1) lamp High light output, for T8 lamps YP1 (1) Instant start for (1) lamp EM only Standard light output, for T8 lamps EP1 (1) Instant start for (1), (2) or (4) lamps EP2 (2) Instant start for (2) lamps PS1 (1) Programmed start for (2) or (4) lamps High light output, for T8 lamps YP1 (1) Instant start for (2) or (4) lamps YP2 (2) Instant start for (4) lamps Standard light output, for T5HO lamps MK1 (1) Programmed start for (1), (2) or (4) lamps MK2 (2) Programmed start for (1), (2) or (4) lamps | U 120-277V 3 347V H 347-480V 1 T8 only 2 T5 only | See pages 202-203 | See pages 202-203 |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

SPECIALTY ERS Series

ERS

FEATURES:

- Shallow 4 1/8" depth x 5 1/2" width available in 1-lamp (T5HO only) and 2 lamp (T8 and T5HO) profiles in 4' lengths
- Miro® 4 enhanced specular aluminum reflector with 95% reflectivity
- UL (US and Canada) and CSA listed for wet locations
- Meets NSF/ANSI Standard 2 Splash Zone requirements
- Fiber-reinforced polyester housing is resistant to corrosion
- Poured-in-place recessed gasket provides a secure seal
- Stainless steel latches and mounting brackets available
- Low profile, 1-piece body ideally suited for food processing areas

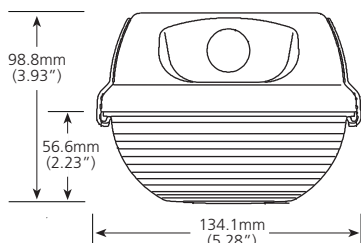


Example: ERS 04 Y N ACR K40 EP1 U STSL MHT

How to Construct a Catalog Number:

| ERS 1 | 04 2 | Y 3 | N 4 | ACR 5 | K40 6 |
|----------------|---------------|-------------------------------------|----------------------|---|--|
| LUMINAIRE | LENGTH | REFLECTOR MATERIAL | DISTRIBUTION | LENS | LAMP TYPE & CONFIGURATION |
| ERS ERS Series | 04 4' Nominal | Y Miro® 4 enhanced aluminum (.032") | N Normal S Spread | ACR High-impact acrylic BMP Molded polycarbonate | K40 (1) F54 T5HO K42 ¹ (2) F54 T5HO O42 (2) F32 T8 <small>¹ Thermal limitations contact local factory sales representative for further details</small> |

ERS | ERS Series

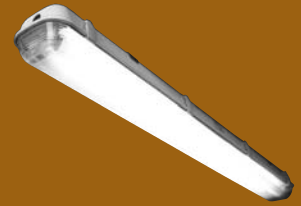


FLUORESCENT

SPECIALTY

MIRO® 4

ERS Series



| EP1 7 | U 8 | STSL 9 | MHT 10 |
|---|---|--|--|
| BALLAST TYPE AND QUANTITY Standard light output, for T8 lamps EP1 (1) Instant start for (1) or (2) lamps EP2 (2) Instant start for (2) lamps High light output, for T8 lamps YP1 (1) Instant start for (2) lamps Standard light output, for T5HO lamps MK1 (1) Programmed start for (1) or (2) lamps MK2 (2) Programmed start for (1) or (2) lamps | VOLTAGE U 120-277V 3' 347V H' 347-480V 1 T8 only 2 T5HO only | LATCH TYPE PLM Polyamide STSL Stainless steel | MOUNTING (blank) No bracket MHT Stainless steel |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

SPECIALTY HES Series

HES

The HES Series is designed to provide maximum efficiency lighting for institutional, industrial and commercial environments where an enclosed and gasketed fiberglass body luminaire is desired. This luminaire is suitable for exterior, wet location, and damp environments. It is available in a choice of sizes, mounting, lamp configurations and beam patterns to customize the light output to meet the diverse needs of offices, warehouses, schools, hospitals, and industrial areas where enclosed and gasketed luminaires are a must.

FEATURES:

- Diffuser secured to fully gasketed housing by captive corrosion-resistant cam action latches
- Miro® 4 enhanced specular aluminum reflector with 95% reflectivity
- Post painted metal components
- Fiberglass housing
- Shatter resistant 15% DR acrylic lens
- Optional 50% DR acrylic lens for increased impact resistance

IP 65 RATED



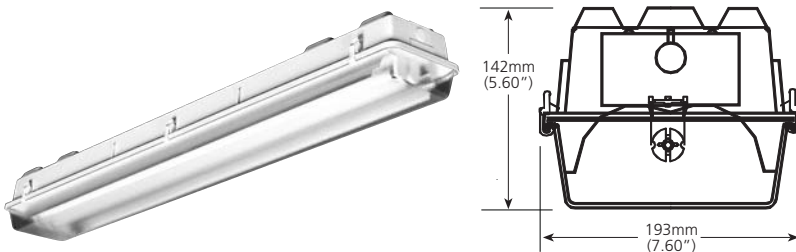
Example: HES S 04 X SSS N O40 EP1 U BDL500 GLR

How to Construct a Catalog Number:

| HES | S | 04 | X | SSS | N |
|------------------------|--|--------------------------------|--|--|--------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| LUMINAIRE | CHANNEL GAUGE | LENGTH | REFLECTOR MATERIAL | DISTRIBUTION | UPLIGHT |
| HES Enclosed, gasketed | S 22 Gauge steel (.030") T 20 Gauge steel (.036") | 04 4' Nominal 08 8' Nominal | X Miro® 4 enhanced aluminum (.020") D White painted steel (.020") | SSS Spread BBB ¹ Broad F30 ² 30° Asymmetric beam FTT ³ Focus NNN ² Normal TTT ² Task | N No upright |

1 Available with "X" only
2 Available with "O42" and "X" only
3 Available with "O40" and "X" only

HES | Enclosed and Gasketed



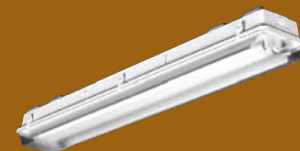
FLUORESCENT

SPECIALTY

MiRO® 4

HES Series

Enclosed and Gasketed



| O40 7 | EP1 8 | U 9 | BDL500 10 | GLR 11 |
|---|---|---|---|---|
| LAMP TYPE & CONFIGURATION | BALLAST TYPE AND QUANTITY | VOLTAGE | OPTIONS | ACCESSORIES |
| <p>O40 (1) F032 T8 O41¹ (2) F032 T8 O42 (2) F032 T8 O45¹ (4) F032 T8</p> <p>¹ In tandem</p> | <p>Standard light output, for T8 lamps EP1 (1) Instant start for (1), (2) or (4) lamps EP2 (2) Instant start for (2) lamps EPD¹ (2) Instant start for (4) lamps PS1 (1) Programmed start for (1), (2) or (4) lamps PSD¹ (2) Programmed start for (4) lamps</p> <p>High light output, for T8 lamps YP1 (1) Instant start for (1) or (2) lamps YPD¹ (2) Instant start for (4) lamps</p> <p>¹ For lamps with inboard/outboard switching</p> | <p>U 120-277V 3 347V</p> | <p>See pages 202-203</p> | <p>See pages 202-203</p> |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

SPECIALTY TA Series

TA

The TA series recessed angled troffer combines an angled lens, in one or two lamp profiles, with an asymmetric reflector to provide precise photometry that efficiently lights boards, wall displays, or bulletin boards with very little spill light and no glare. Other uses for the TA Series include display lighting for retail applications, auditorium lighting with the fixtures facing toward the presenter, indoor tracks with fixtures used as forward lighting in the direction of the runners, and task lighting in light industrial situations.

FEATURES:

- Highly efficient asymmetric distribution
- Gloss white baked enamel finish
- Easy wiring and maintenance
- Miro® 4 enhanced specular aluminum reflector with 95% reflectivity

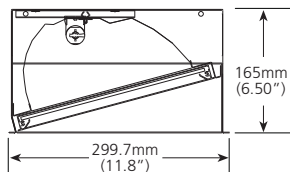
Example: TA G S 4 X A A12 O40 EP1 U CP1S EQCLIPS



How to Construct a Catalog Number:

| TA | G | S | 4 | X | A | A12 |
|----------------------------------|----------|--|--------------|-------------------------------------|--------------|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| LUMINAIRE | MOUNTING | DOOR FRAME | SIZE | REFLECTOR MATERIAL | DISTRIBUTION | DIFFUSER |
| TA Recessed troffer, angled lens | G Grid | S Flat steel (.030" housing) T Flat steel (.036" housing) | 4 4' Nominal | X Miro® 4 enhanced aluminum (.020") | A Asymmetric | A12 Acrylic, .110" lens B12 Acrylic, .110" lens H24 Acrylic, 8224 lens H46 Acrylic, 8246 lens H48 Acrylic, 8248 lens H55 Acrylic, 6255 lens |

TA | Recessed Troffer Angled Lens

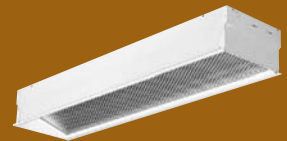


FLUORESCENT

SPECIALTY

MiRO® 4

TA Series



| O40 8 | EP1 9 | U 10 | CP1S 11 | EQCLIPS 12 |
|---|---|--|------------------------------|------------------------------|
| LAMP TYPE & CONFIGURATION | BALLAST TYPE AND QUANTITY | VOLTAGE | OPTIONS | ACCESSORIES |
| <p>O40 (1) F032 T8 K40 (1) 54W T5HO K42 (2) 54W T5HO</p> | <p>Standard light output, for T8 lamps EP1 (1) instant start for (1) lamp PS1 (1) programmed start for (1) lamp High light output, for T8 lamps YP1 (1) instant start for (1) lamp Standard light output, for T5HO lamps MK1 (1) programmed start for (2) lamps MK2¹ (2) programmed start for (2) lamps</p> <hr/> <p>¹ 120-277V only</p> | <p>U 120-277V 3¹ 347V H² 347-480V</p> <p>¹ T8 only ² T5 only</p> | <p>See pages 202-203</p> | <p>See pages 202-203</p> |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The 7200 PrismaLite luminaire is compact, energy efficient, rugged and compatible in many different environments. An extruded aluminum body with an etched anodized finish allows this fixture to be installed in corrosive, or abusive areas. It is also suitable for wet locations, so areas such as laboratories, chemical plants and canopies are perfect applications for the 7200 PrismaLite.

SPECIALTY 7200 PrismaLite® Series

7200

FEATURES:

- Less than 5" deep
- Perfect for areas with low ceiling heights
- Available in 2', 4' and 8' lengths
- Many ballast types available to meet specific needs
- High efficient injection molded prismatic lens distributes light in broader pattern than conventional industrial fluorescent fixtures

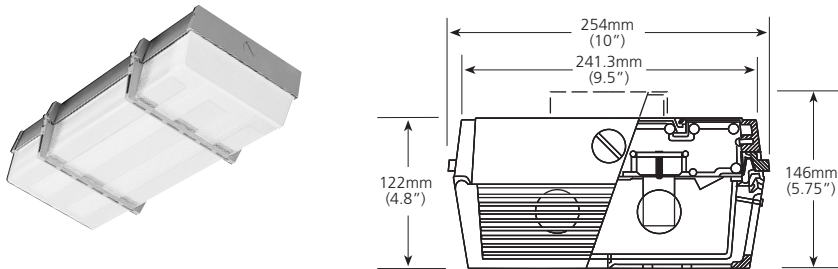
Example: 7200 2 12 P DR CRK



How to Construct a Catalog Number:

| 7200 | 2 | 12 | P |
|-----------------|--|--|--|
| 1 | 2 | 3 | 4 |
| LUMINAIRE | LENGTH | VOLTAGE | BALLAST TYPE |
| 7200 PrismaLite | 2 2' Nominal 4 4' Nominal 8 8' Nominal | 12 120 Volt C(UL) US 27 277 Volt C(UL) US | 2' housing P 38-40W, T5, CF lamps electronic 4' housing J T8 265mA lamps, electronic WB 40W R.S., Advance energy saving WS 40W R.S., MagneTek energy saving LT 40W R.S., 0°F minimum starting temperature 4' or 8' housing HO 800mA HO -20°F minimum starting temperature |

7200 | PrismaLite

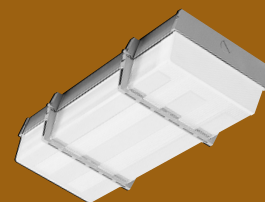


FLUORESCENT

SPECIALTY

MIRO® 4

7200 Prismatic® Series



DR

5

OPTIONS

- DR** Impact-resistant acrylic lens
- P1** Primatect (corrosion resistant) finish
- SA** Two 1/2" threaded stem adapters
(2' and 4') 3 adapters for 8'
- F** Fuse installed

CRK

6

ACCESSORIES

- CRK** Continuous row kit (one per fixture)

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

Designed especially for cold storage facilities where ambient temperatures are maintained between -20° F and 50° F, the HEF luminaire provides the advantages of T5HO fluorescent technology, including highly energy-efficient white light and extended lamp life with minimal lumen depreciation. Where every watt of light can add to refrigeration costs, the HEF offers significant energy savings over standard metal halide alternatives and improves visual acuity over HPS light sources.

SPECIALTY HEF Series

HEF

FEATURES:

- Mylar coated PVC, double gasketed, hinged, flush door frame
- Clear acrylic shielding with optional prismatic lens
- Designed for cold storage applications down to and below 0°F
- High gloss, baked white enamel powder coated finish
- Miro® 4 enhanced specular aluminum reflector with 95% reflectivity

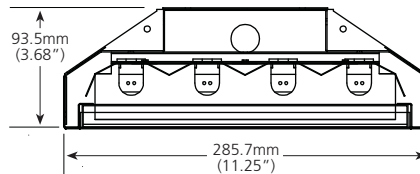
Example: HEF S 4 X T B12 N K44 MKD U GMF HHBS36



How to Construct a Catalog Number:

| HEF 1 | S 2 | 4 3 | X 4 | T 5 | B12 6 | N 7 |
|----------------|--|----------|-------------------------------------|--------------|--|--------------|
| LUMINAIRE | CHANNEL GAUGE | LENGTH | REFLECTOR MATERIAL | DISTRIBUTION | DIFFUSER | UPLIGHT |
| HEF HEF Series | S 22 Gauge steel (.030") T 20 Gauge steel (.036") | 4 4 Feet | X Miro® 4 enhanced aluminum (.020") | T Task | B12 Acrylic, .125" lens CAC Clear acrylic | N No upright |

HEF | High Bay

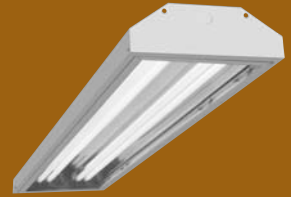


FLUORESCENT

SPECIALTY

MiRO® 4

HEF Series



| K44 8 | MKD 9 | U 10 | GMF 11 | HHBS36 12 |
|--|---|--|-------------------------|----------------------------|
| LAMP TYPE & CONFIGURATION | BALLAST TYPE AND QUANTITY | VOLTAGE | OPTIONS | ACCESSORIES |
| K44 (4) T5HO K46 (6) T5HO | <u>Standard light output, for T5HO lamps</u> MKD (2) Programmed start for (4) or (6) lamps MK3 (3) Programmed start for (6) lamps | U 120-277V H 347-480V | See pages 202-203 | See pages 202-203 |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The HBQ induction lamp high bay luminaire is multi-functional and works well in retail, warehouse, industrial, commercial and manufacturing areas. With various sizes and lamp wattages, the HBQ will meet needed light levels in any of these applications, especially those areas that require low maintenance or low ambient temperatures. It will provide appropriate light levels needed for mounting heights over 20' or difficult to reach areas.

SPECIALTY HBQ Series

HBQ

FEATURES:

- Low operating costs
- Long life – up to 100k hours
- 80 CRI
- High lumen package

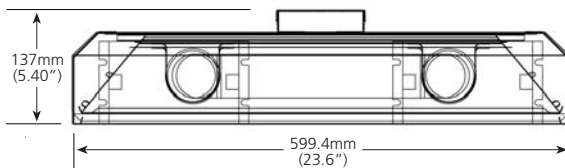
Example: HBQ S 21 Y T NNN OL100 1 U LPS835 PAF



How to Construct a Catalog Number:

| 1 | 2 | 3 | 4 | 5 |
|---|--|--|---------------------------|----------------------------------|
| LUMINAIRE | CHANNEL GAUGE | SIZE | REFLECTOR MATERIAL | DISTRIBUTION |
| HBQ High bay, induction technology | S 22 Gauge steel (.030") T 20 Gauge steel (.036") | 21 2' x 1.5' long 22 2' x 2.5' long 23 2' x 3.5' long | Y Miro® 4 (.032") | N Normal T Task |

HBQ | High Bay



FLUORESCENT

SPECIALTY

MIRO® 4

HBQ Series



| | | | | |
|---------------------------|---|------------------------------------|---|---|
| NNN | OL100 | 1 | U | LPS835 |
| 6 | 7 | 8 | 9 | 10 |
| DIFFUSER | LAMP TYPE | LAMP QTY. | VOLTAGE | LAMP COLOR |
| NNN Open WGD Wireguard | OL100 100W Induction OL150 150W Induction | 1 1 lamp 2 2 lamps 3 3 lamps | U 120-277V | LPS835 3500K LPS841 4100K |
| | PAF | | | |
| | 11 | | 12 | 13 |
| | PAINT | | OPTIONS | ACCESSORIES |
| | PAF Paint after fabrication standard white | | Consult your local Holophane factory sales representative | Consult your local Holophane factory sales representative |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

SPECIALTY HQ Series

HQ

This surface mounted luminaire is designed to deliver performance and life where it counts most. Made of rugged die cast aluminum with a drop prismatic lens, it reduces the cost of relamping and reballasting in areas where maintenance is expensive or difficult to service. This luminaire can be used in warehouses, location work zones, non-corrosive industrial applications, walkways, escalators or typical wet location areas such as garages and workshops.

FEATURES:

- UL listed for wet location
- Rated for up to 35°C ambient temperature
- Available in white or bronze
- Standard induction system factory installed
- Drop prismatic lens available in either acrylic or polycarbonate
- Fully gasketed door provides a secure seal

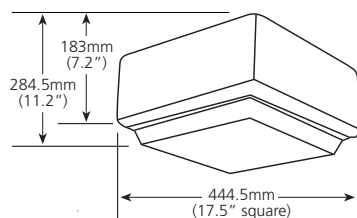
Example: HQ B 11 X T ACL I85 1 LP835



How to Construct a Catalog Number:

| HQ 1 | B 2 | 11 3 | X 4 | T 5 | ACL 6 |
|--|---|--------------|-------------------------------------|--------------|--|
| LUMINAIRE | COLOR | SIZE | REFLECTOR MATERIAL | DISTRIBUTION | DIFFUSER |
| HQ Surface mount, induction technology | B Bronze die cast aluminum L White die cast aluminum | 11 18" x 18" | X Miro® 4 enhanced aluminum (.020") | T Task | ACL Acrylic drop POL Polycarbonate drop |

HQ | Surface Mount

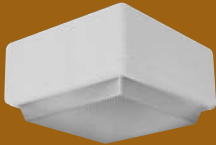


FLUORESCENT

SPECIALTY

MIRO® 4

HQ Series



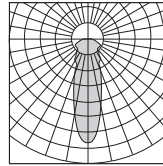
| 7 | | 8 | | 9 | | 10 | | 11 | |
|------------------|----------------|----------------|------|-------------------|-------|---|--|---|--|
| LAMP TYPE | | VOLTAGE | | LAMP COLOR | | OPTIONS | | ACCESSORIES | |
| I85 | 85W Induction | 1 | 120V | LP835 | 3500K | Consult your local Holophane factory sales representative | | Consult your local Holophane factory sales representative | |
| I165 | 165W Induction | 2 | 277V | LP841 | 4100K | | | | |
| | | | | LPP830 | 3000K | | | | |
| | | | | LPP835 | 3500K | | | | |
| | | | | LPP840 | 4000K | | | | |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

Photometry Distributions

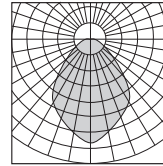
This designation in the nomenclature string indicates the photometric beam of the reflector design. The reflector can create broad beams which generate a wide spread of light, or the reflector may focus the light, as a spotlight. The beam nomenclature indicates this spread of light, as well as the general spacing criteria of each type. The photometric diagrams shown are typical of the beam types available in Holophane fluorescent luminaires.

F = Focus Beam
SC: ≤ 0.8



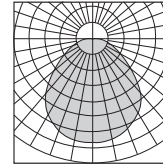
Applications: spot lighting for narrow spaces (e.g., high bay warehouse aisles)

T = Task Beam
SC: $\geq 0.9, \leq 1.2$



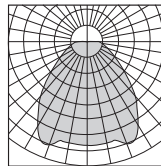
Applications: task lighting (e.g., inspection areas)

N = Normal Beam
SC: $\geq 1.2, \leq 1.4$



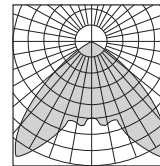
Applications: general lighting (e.g., office, classroom)

S = Spread Beam
SC: $\geq 1.4, \leq 1.8$



Applications: general lighting with vertical coverage (e.g., hallways, manufacturing plants)

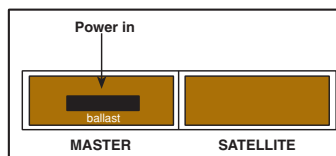
B = Broad Beam
SC: ≥ 1.8



Applications: general lighting with vertical coverage for very wide spacing (e.g., parking garage)

Tandem Configurations

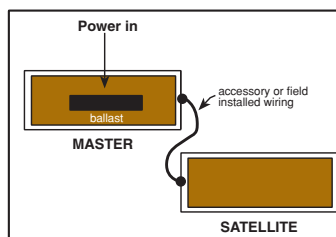
Tandem groups of luminaires are described by adding a number in front of the code normally used to describe the luminaire. Thus 2, 3, 4 indicates the number of luminaires involved in the combination. "1" represents the single luminaire and is therefore omitted for simplicity.



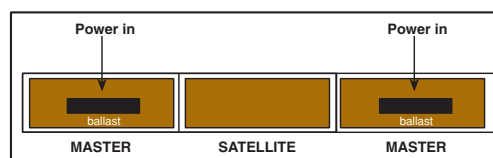
Two luminaires sharing one ballast. When tandem luminaires are installed end to end, no additional wires are required to complete the lamp circuit. Only the master luminaire requires power wiring.

Ex: 2 luminaires/1 ballast
2 HSN S 08 X NNN S 041 EP1 U

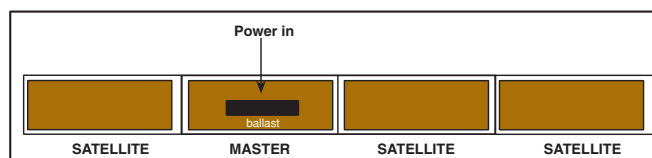
While tandem groups include the ballast wiring necessary to install luminaires end to end, harnesses required to complete the installation of luminaires that are spaced apart are not included. Refer to your Holophane sales representative for a listing of available tandem wiring accessories.



Ex: 3 luminaires/2 ballasts
3 HSN S 04 X NNN S 040 EP1 U



Ex: 4 luminaires/1 ballast
4 HSN S 04 X NNN S 040 EP1 U



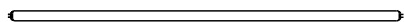
Lamp Types, Sizes & Configurations and Diffuser Options

Lamp Types and Sizes

The most commonly used lamp types in Holophane Fluorescent luminaires are listed below - for additional options please contact your sales representative. The following chart indicates the first two digits in the Lamp Code.



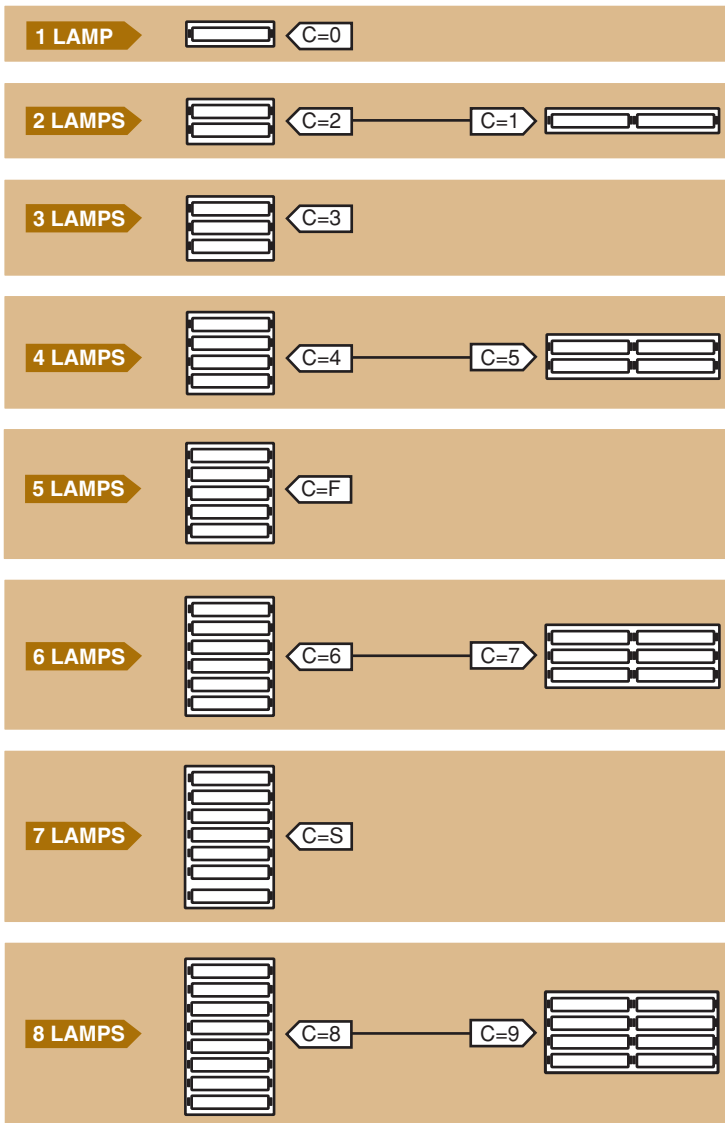
T8 lamps: instant rapid start, medium bipin
 O2 = F17T8 2 foot lamp
 O3 = F25T8 3 foot lamp
 O4 = F32T8 4 foot lamp



T5 lamps: program rapid start, medium bipin
 K4 = F54T5/HO 4 foot lamp
 L4 = F28T5 4 foot lamp

Lamp Configurations

The following chart indicates the third digit in the Lamp Code.

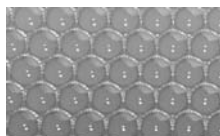


Diffuser Options



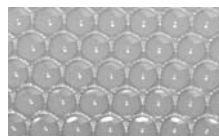
H55 Lens

Injection molded virgin acrylic with 3/16" McPhail prisms



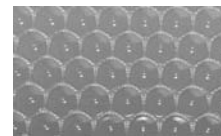
H24 Lens

Injection molded (.24") virgin acrylic with refractive hemi-spherical prism



H46 Lens

Injection molded (.28") virgin acrylic with refractive hemi-spherical prism and diffuse sonically welded interface



H48 Lens

Injection molded (.28") virgin acrylic with refractive hemi-spherical prism and high efficiency sonically welded interface

Options and Accessories

| | | | High Bays | | | | | Troffers | | | | | |
|-------------------------|---------------------------|----------------|---|----|----------------|----------------|----------------|----------|----|---|---|----|---|
| | Catalog # | Description | ST | HB | HC | HAF | HIF | HP | HT | T | B | LS | |
| CORD & PLUG | 120V STRAIGHT MOLDED PLUG | CP1S | NEMA 5-15P - 18/3 6ft, white SJTOW cord set | • | • | • | • | • | | | | • | |
| | | CP1SB | NEMA 5-15P - 18/3 6ft, black SJTOW cord set | • | • | • | • | • | | | | • | |
| | | CP1SL08 | NEMA 5-15P - 18/3 8ft, white SJTOW cord set | • | • | • | • | • | | | | • | |
| | | CP1SBL08 | NEMA 5-15P - 18/3 8ft, black SJTOW cord set | • | • | • | • | • | | | | • | |
| | | CP1SL10 | NEMA 5-15P - 18/3 10ft, white SJTOW cord set | • | • | • | • | • | | | | • | |
| | | CP1SBL10 | NEMA 5-15P - 18/3 10ft, black SJTOW cord set | • | • | • | • | • | | | | • | |
| | 277V TWIST OFF PLUG | CP1T | NEMA L7-15P - 18/3 6ft, white SJTOW cord set | • | • | • | • | • | | | | | • |
| | | CP1TB | NEMA L7-15P - 18/3 6ft, black SJTOW cord set | • | • | • | • | • | | | | | • |
| | | CP1TL08 | NEMA L7-15P - 18/3 8ft, white SJTOW cord set | • | • | • | • | • | | | | | • |
| | | CP1TBL08 | NEMA L7-15P - 18/3 8ft, black SJTOW cord set | • | • | • | • | • | | | | | • |
| | | CP1TL10 | NEMA L7-15P - 18/3 10ft, white SJTOW cord set | • | • | • | • | • | | | | | • |
| | | CP1TBL10 | NEMA L7-15P - 18/3 10ft, black SJTOW cord set | • | • | • | • | • | | | | | • |
| | 347V TWIST OFF PLUG | CP2T | NEMA L24-20P - 16/3 6ft, white SJTOW cord set | • | • | • | • | • | | | | | • |
| | | CP2TL08 | NEMA L24-20P - 16/3 8ft, white SJTOW cord set | • | • | • | • | • | | | | | • |
| | | CP2TL10 | NEMA L24-20P - 16/3 10ft, white SJTOW cord set | • | • | • | • | • | | | | | • |
| | 480V TWIST OFF PLUG | CP2T | NEMA L8-20P - 16/3 6ft, white SJTOW cord set | • | • ¹ | • ¹ | • ¹ | • | | | | | • |
| | | CP2TL08 | NEMA L8-20P - 16/3 8ft, white SJTOW cord set | • | • ¹ | • ¹ | • ¹ | • | | | | | • |
| | | CP2TL10 | NEMA L8-20P - 16/3 10ft, white SJTOW cord set | • | • ¹ | • ¹ | • ¹ | • | | | | | • |
| HOLOFLEX II | 120V 2 WIRE | HF120SC16/2G03 | 3' Holoflex drop, 16 gauge | • | • | • | • | • | | | | • | |
| | | HF120SC16/2G05 | 5' Holoflex drop, 16 gauge | • | • | • | • | • | | | | • | |
| | | HF120SC16/2G10 | 10' Holoflex drop, 16 gauge | • | • | • | • | • | | | | • | |
| | 277V 2 WIRE | HF277SC16/2G03 | 3' Holoflex drop, 16 gauge | • | • | • | • | • | | | | | • |
| | | HF277SC16/2G05 | 5' Holoflex drop, 16 gauge | • | • | • | • | • | | | | | • |
| | | HF277SC16/2G10 | 10' Holoflex drop, 16 gauge | • | • | • | • | • | | | | | • |
| INTERNAL PLUG-IN WIRING | 1 CIRCUIT | PLR1G | 4' or 8' Plug-in plus ground lead, ballast connected to black | | | | | | | | | | |
| | | PLR2AG | 4' or 8' Plug-in plus ground lead, ballast connected to black | | | | | | | | | | |
| | 2 CIRCUIT | PLR2ABG | 4' or 8' Plug-in plus ground lead, ballast connected to black | | | | | | | | | | |
| FLEXIBLE CONDUIT | | PW1236 | Flexible conduit 6' with 12 gauge 2 wire and ground | • | • | • | • | • | • | • | • | • | |
| | | PW1238 | Flexible conduit 8' with 12 gauge 2 wire and ground | • | • | • | • | • | • | • | • | • | |
| | | PW12310 | Flexible conduit 10' with 12 gauge 2 wire and ground | • | • | • | • | • | • | • | • | • | |
| | | PW1246 | Flexible conduit 6' with 12 gauge 3 wire and ground | • | • | • | • | • | • | • | • | • | |
| | | PW1248 | Flexible conduit 8' with 12 gauge 3 wire and ground | • | • | • | • | • | • | • | • | • | |
| | | PW12410 | Flexible conduit 10' with 12 gauge 3 wire and ground | • | • | • | • | • | • | • | • | • | |
| | | PWS1836 | Flexible conduit 6' with 18 gauge 2 wire and ground | • | • | • | • | • | • | • | • | • | • |
| FUSING | FAST BLOW | GLR | Fast-blow, internal fuse | • | • | • | • | • | • | • | • | • | |
| | SLOW BLOW | GMF | Slow-blow, internal fuse | • | • | • | • | • | • | • | • | • | |

¹ Available with T5HO only

| | Catalog # | Description | High Bays | | | | | Troffers | | | | | | |
|--------------------|-----------------------|--|--|----------------|----------------|----------------|-----|----------|----|---|---|----|---|--|
| | | | ST | HB | HC | HAF | HIF | HP | HT | T | B | LS | | |
| EMERGENCY BALLASTS | B50 | For 17W - 32W lamps with 90 minute battery operation for 1 or 2 lamps with lumens from 950 to 1350 | | ● ¹ | ● ¹ | ● ¹ | | | | | | | ● | |
| | B50ST | For 17W - 32W lamps with 90 minute battery operation for 1 or 2 lamps with lumens from 950 to 1350. Ballast is self testing | | ● ¹ | ● ¹ | ● ¹ | | | | | | | ● | |
| | B60 | For 17W - 32W lamps with 90 minute battery operation for 1 or 2 lamps with lumens from 600-700 | | ● ¹ | ● ¹ | ● ¹ | | | | | | | ● | |
| | B70A | For 17W - 32W lamps with 90 minute battery operation for 1 lamp with lumens from 600-700 | | ● ¹ | ● ¹ | ● ¹ | | | | | | | ● | |
| | B90 | For 17W - 32W lamps with 90 minute battery operation for 1 lamp with lumens from 500-600 | | ● ¹ | ● ¹ | ● ¹ | | | | | | | ● | |
| | B100 | For 17W - 32W lamps with 90 minute battery operation for 1 lamp with lumens from 350-450 | | ● ¹ | ● ¹ | ● ¹ | | | | | | | ● | |
| | BLP550 | For F54T5HO lamps with 90 minute battery operation for 1 lamp with lumens of 700. Ballast can be used with T5 | ● | ● ² | ● ² | ● ² | ● | | | | | | | |
| | BDL600 | For F54T5HO lamps with 90 minute battery operation for 1 lamp with lumens of 1250. Ballast can be used with T5 | ● | ● ² | ● ² | ● ² | ● | | | | | | | |
| | BDL500 | For 17W - 32W lamps with 90 minute battery operation for 1 or 2 lamps with lumens from 950-1350. Ballast rated damp location | | | | | | | | | | | | |
| MOUNTING OPTIONS | ALPMHEG01ARRC | Stainless steel mounting hanger snaps onto fiberglass housing of fixture | | | | | | | | | | | | |
| | EQCLIPS | Earthquake Clips - Lay-in troffer support clips | | | | | | ● | ● | ● | ● | | | |
| | TRAPEZE HANGERS | HHBS | Forward facing trapeze hangers, 1 pair, for HEF Series | | | | | | | | | | | |
| | | HHBS36 | Forward facing trapeze hangers, 1 pair with a pair of 36" jack chain for HEF Series | | | | | | | | | | | |
| | | HHBS60 | Forward facing trapeze hangers, 1 pair with a pair of 60" jack chain for HEF Series | | | | | | | | | | | |
| | | HSD | Trapeze hangers, 1 pair, 1 for each end | | ● | ● | | | | | | | | |
| | | HSD36 | Trapeze hangers, 1 pair, 1 for each end with 1 pair of 36" jack chain | | ● | ● | | | | | | | | |
| | | HSD60 | Trapeze hangers, 1 pair, 1 for each end with 1 pair of 60" jack chain | | ● | ● | | | | | | | | |
| | FOR PENDANT MOUNTING | MHHC | STRIPHANG, Chain hanger and pair of 36" jack chain | | | | | | | | | | | |
| | | MHICS | ICS Bracket set, mounting hanger for ICS channel | | | | | | | | | | | |
| | | MHTHC | Mounting hanger for 4 3/16" channel | | | | | | | | | | | |
| | | MHYTGB03BRKT | Single point bracket with pair of double Y toggle 3'long #2 gripple for quick installation, 4' fixtures only | ● | ● | ● | | ● | | | | | | |
| | TONG HANGERS | THSD | Tong hanger for pendant mounting, 1.125 KO in center | | ● | ● | | | | | | | | |
| | | THSD2SK | Tong hanger for pendant mounting, 1.125 KO in center with pair of side plates to close hanger off | | ● | ● | | | | | | | | |
| | | THSD2HB | Tong hanger for pendant mounting, 3/4" diameter center hub with pair of side plates to close hanger off | | ● | ● | | | | | | | | |
| | DRYWALL GRID ADAPTORS | ALPDGA22 | 2 x 2 Grid adaptors are used to install grid trimmed troffers in plaster board or other hard ceilings | | | | | | ● | ● | ● | ● | | |
| | | ALPDGA14 | 1 x 4 Grid adaptors are used to install grid trimmed troffers in plaster board or other hard ceilings | | | | | | | | | | ● | |
| | | ALPDGA24 | 2 x 4 Grid adaptors are used to install grid trimmed troffers in plaster board or other hard ceilings | | | | | | ● | ● | | | ● | |
| WIREGUARD | FOR HSM | WG5044 | Wireguard, 1 per 4' or 2 per 8' fixture | | | | | | | | | | | |
| | FOR HSN | WG5054 | Wireguard, 1 per 4' or 2 per 8' fixture | | | | | | | | | | | |

1 Available with T8 only
 2 Available with T5HO only

| | | Catalog # | Description | Wraps | | | | | |
|-------------------------|---------------------------|----------------|---|-------|------|------|------|------|----|
| | | | | HWSN | HWSM | HWSW | WRSN | WRSM | WA |
| CORD & PLUG | 120V STRAIGHT MOLDED PLUG | CP1S | NEMA 5-15P - 18/3 6ft, white SJTOW cord set | • | • | • | • | • | • |
| | | CP1SB | NEMA 5-15P - 18/3 6ft, black SJTOW cord set | • | • | • | • | • | • |
| | | CP1SL08 | NEMA 5-15P - 18/3 8ft, white SJTOW cord set | • | • | • | • | • | • |
| | | CP1SBL08 | NEMA 5-15P - 18/3 8ft, black SJTOW cord set | • | • | • | • | • | • |
| | | CP1SL10 | NEMA 5-15P - 18/3 10ft, white SJTOW cord set | • | • | • | • | • | • |
| | | CP1SBL10 | NEMA 5-15P - 18/3 10ft, black SJTOW cord set | • | • | • | • | • | • |
| | 277V TWIST OFF PLUG | CP1T | NEMA L7-15P - 18/3 6ft, white SJTOW cord set | • | • | • | • | • | • |
| | | CP1TB | NEMA L7-15P - 18/3 6ft, black SJTOW cord set | • | • | • | • | • | • |
| | | CP1TL08 | NEMA L7-15P - 18/3 8ft, white SJTOW cord set | • | • | • | • | • | • |
| | | CP1TBL08 | NEMA L7-15P - 18/3 8ft, black SJTOW cord set | • | • | • | • | • | • |
| | | CP1TL10 | NEMA L7-15P - 18/3 10ft, white SJTOW cord set | • | • | • | • | • | • |
| | | CP1TBL10 | NEMA L7-15P - 18/3 10ft, black SJTOW cord set | • | • | • | • | • | • |
| | 347V TWIST OFF PLUG | CP2T | NEMA L24-20P - 16/3 6ft, white SJTOW cord set | • | • | • | • | • | • |
| | | CP2TL08 | NEMA L24-20P - 16/3 8ft, white SJTOW cord set | • | • | • | • | • | • |
| | | CP2TL10 | NEMA L24-20P - 16/3 10ft, white SJTOW cord set | • | • | • | • | • | • |
| | 480V TWIST OFF PLUG | CP2T | NEMA L8-20P - 16/3 6ft, white SJTOW cord set | | | | | | |
| | | CP2TL08 | NEMA L8-20P - 16/3 8ft, white SJTOW cord set | | | | | | |
| | | CP2TL10 | NEMA L8-20P - 16/3 10ft, white SJTOW cord set | | | | | | |
| HOLOFLEX II | 120V 2 WIRE | HF120SC16/2G03 | 3' Holoflex drop, 16 gauge | • | • | • | • | • | • |
| | | HF120SC16/2G05 | 5' Holoflex drop, 16 gauge | • | • | • | • | • | • |
| | | HF120SC16/2G10 | 10' Holoflex drop, 16 gauge | • | • | • | • | • | • |
| | 277V 2 WIRE | HF277SC16/2G03 | 3' Holoflex drop, 16 gauge | • | • | • | • | • | • |
| | | HF277SC16/2G05 | 5' Holoflex drop, 16 gauge | • | • | • | • | • | • |
| | | HF277SC16/2G10 | 10' Holoflex drop, 16 gauge | • | • | • | • | • | • |
| INTERNAL PLUG-IN WIRING | 1 CIRCUIT | PLR1G | 4' or 8' Plug-in plus ground lead, ballast connected to black | • | • | • | • | • | • |
| | | PLR2AG | 4' or 8' Plug-in plus ground lead, ballast connected to black | • | • | • | • | • | • |
| | 2 CIRCUIT | PLR2ABG | 4' or 8' Plug-in plus ground lead, ballast connected to black | • | • | • | • | • | • |
| FLEXIBLE CONDUIT | | PW1236 | Flexible conduit 6' with 12 gauge 2 wire and ground | • | • | • | • | • | • |
| | | PW1238 | Flexible conduit 8' with 12 gauge 2 wire and ground | • | • | • | • | • | • |
| | | PW12310 | Flexible conduit 10' with 12 gauge 2 wire and ground | • | • | • | • | • | • |
| | | PW1246 | Flexible conduit 6' with 12 gauge 3 wire and ground | • | • | • | • | • | • |
| | | PW1248 | Flexible conduit 8' with 12 gauge 3 wire and ground | • | • | • | • | • | • |
| | | PW12410 | Flexible conduit 10' with 12 gauge 3 wire and ground | • | • | • | • | • | • |
| | | PWS1836 | Flexible conduit 6' with 18 gauge 2 wire and ground | • | • | • | • | • | • |
| FUSING | FAST BLOW | GLR | Fast-blow, internal fuse | • | • | • | • | • | • |
| | SLOW BLOW | GMF | Slow-blow, internal fuse | • | • | • | • | • | • |

| | Catalog # | Description | Wraps | | | | | | |
|--------------------|-----------------------|--|--|------|------|------|------|----|--|
| | | | HWSN | HWSM | HWSW | WRSN | WRSM | WA | |
| EMERGENCY BALLASTS | B50 | For 17W - 32W lamps with 90 minute battery operation for 1 or 2 lamps with lumens from 950 to 1350 | • | • | • | • | • | | |
| | B50ST | For 17W - 32W lamps with 90 minute battery operation for 1 or 2 lamps with lumens from 950 to 1350. Ballast is self testing | • | • | • | • | • | | |
| | B60 | For 17W - 32W lamps with 90 minute battery operation for 1 or 2 lamps with lumens from 600-700 | • | • | • | • | • | | |
| | B70A | For 17W - 32W lamps with 90 minute battery operation for 1 lamp with lumens from 600-700 | • | • | • | • | • | | |
| | B90 | For 17W - 32W lamps with 90 minute battery operation for 1 lamp with lumens from 500-600 | • | • | • | • | • | | |
| | B100 | For 17W - 32W lamps with 90 minute battery operation for 1 lamp with lumens from 350-450 | • | • | • | • | • | | |
| | BLP550 | For F54T5HO lamps with 90 minute battery operation for 1 lamp with lumens of 700. Ballast can be used with T5 | | | | | | | |
| | BDL600 | For F54T5HO lamps with 90 minute battery operation for 1 lamp with lumens of 1250. Ballast can be used with T5 | | | | | | | |
| | BDL500 | For 17W - 32W lamps with 90 minute battery operation for 1 or 2 lamps with lumens from 950-1350. Ballast rated damp location | | | | | | | |
| MOUNTING OPTIONS | ALPMHEG01ARRC | Stainless steel mounting hanger snaps onto fiberglass housing of fixture | | | | | | | |
| | EQCLIPS | Earthquake Clips - Lay-in troffer support clips | | | | | | | |
| | TRAPEZE HANGERS | HHBS | Forward facing trapeze hangers, 1 pair, for HEF Series | | | | | | |
| | | HHBS36 | Forward facing trapeze hangers, 1 pair with a pair of 36" jack chain for HEF Series | | | | | | |
| | | HHBS60 | Forward facing trapeze hangers, 1 pair with a pair of 60" jack chain for HEF Series | | | | | | |
| | | HSD | Trapeze hangers, 1 pair, 1 for each end | | | | | | |
| | | HSD36 | Trapeze hangers, 1 pair, 1 for each end with 1 pair of 36" jack chain | | | | | | |
| | | HSD60 | Trapeze hangers, 1 pair, 1 for each end with 1 pair of 60" jack chain | | | | | | |
| | FOR PENDANT MOUNTING | MHHC | STRIPHANG, Chain hanger and pair of 36" jack chain | | | | | | |
| | | MHICS | ICS Bracket set, mounting hanger for ICS channel | | | | | | |
| | | MHTHC | Mounting hanger for 4 3/16" channel | | | | | | |
| | | MHYTGB03BRKT | Single point bracket with pair of double Y toggle 3'long #2 gripple for quick installation, 4' fixtures only | | | | | | |
| | TONG HANGERS | THSD | Tong hanger for pendant mounting, 1.125 KO in center | | | | | | |
| | | THSD2SK | Tong hanger for pendant mounting, 1.125 KO in center with pair of side plates to close hanger off | | | | | | |
| | | THSD2HB | Tong hanger for pendant mounting, 3/4" diameter center hub with pair of side plates to close hanger off | | | | | | |
| | DRYWALL GRID ADAPTORS | ALPDGA22 | 2 x 2 Grid adaptors are used to install grid trimmed troffers in plaster board or other hard ceilings | | | | | | |
| | | ALPDGA14 | 1 x 4 Grid adaptors are used to install grid trimmed troffers in plaster board or other hard ceilings | | | | | | |
| | | ALPDGA24 | 2 x 4 Grid adaptors are used to install grid trimmed troffers in plaster board or other hard ceilings | | | | | | |
| WIREGUARD | FOR HSM | WGS044 | Wireguard, 1 per 4' or 2 per 8' fixture | | | | | | |
| | FOR HSN | WGS054 | Wireguard, 1 per 4' or 2 per 8' fixture | | | | | | |

| | | | Industrials | | | | | | | | |
|-------------------------|---------------------------|----------------|---|-------------|----------------|----------------|----|----------------|----|----------------|----------------|
| | | | HSN | HSM | HIS | IC | TN | CC | IW | IT | |
| | | | Catalog # | Description | | | | | | | |
| CORD & PLUG | 120V STRAIGHT MOLDED PLUG | CP1S | NEMA 5-15P - 18/3 6ft, white SJTOW cord set | | ● | ● | ● | ● | ● | ● | ● |
| | | CP1SB | NEMA 5-15P - 18/3 6ft, black SJTOW cord set | | ● | ● | ● | ● | ● | ● | ● |
| | | CP1SL08 | NEMA 5-15P - 18/3 8ft, white SJTOW cord set | | ● | ● | ● | ● | ● | ● | ● |
| | | CP1SBL08 | NEMA 5-15P - 18/3 8ft, black SJTOW cord set | | ● | ● | ● | ● | ● | ● | ● |
| | | CP1SL10 | NEMA 5-15P - 18/3 10ft, white SJTOW cord set | | ● | ● | ● | ● | ● | ● | ● |
| | | CP1SBL10 | NEMA 5-15P - 18/3 10ft, black SJTOW cord set | | ● | ● | ● | ● | ● | ● | ● |
| | 277V TWIST OFF PLUG | CP1T | NEMA L7-15P - 18/3 6ft, white SJTOW cord set | | ● | ● | ● | ● | ● | ● | ● |
| | | CP1TB | NEMA L7-15P - 18/3 6ft, black SJTOW cord set | | ● | ● | ● | ● | ● | ● | ● |
| | | CP1TL08 | NEMA L7-15P - 18/3 8ft, white SJTOW cord set | | ● | ● | ● | ● | ● | ● | ● |
| | | CP1TBL08 | NEMA L7-15P - 18/3 8ft, black SJTOW cord set | | ● | ● | ● | ● | ● | ● | ● |
| | | CP1TL10 | NEMA L7-15P - 18/3 10ft, white SJTOW cord set | | ● | ● | ● | ● | ● | ● | ● |
| | | CP1TBL10 | NEMA L7-15P - 18/3 10ft, black SJTOW cord set | | ● | ● | ● | ● | ● | ● | ● |
| | 347V TWIST OFF PLUG | CP2T | NEMA L24-20P - 16/3 6ft, white SJTOW cord set | | ● | ● | ● | ● | ● | ● | ● |
| | | CP2TL08 | NEMA L24-20P - 16/3 8ft, white SJTOW cord set | | ● | ● | ● | ● | ● | ● | ● |
| | | CP2TL10 | NEMA L24-20P - 16/3 10ft, white SJTOW cord set | | ● | ● | ● | ● | ● | ● | ● |
| | 480V TWIST OFF PLUG | CP2T | NEMA L8-20P - 16/3 6ft, white SJTOW cord set | | ● ¹ | ● ¹ | ● | ● ¹ | ● | ● ¹ | ● ¹ |
| | | CP2TL08 | NEMA L8-20P - 16/3 8ft, white SJTOW cord set | | ● ¹ | ● ¹ | ● | ● ¹ | ● | ● ¹ | ● ¹ |
| | | CP2TL10 | NEMA L8-20P - 16/3 10ft, white SJTOW cord set | | ● ¹ | ● ¹ | ● | ● ¹ | ● | ● ¹ | ● ¹ |
| HOLOFLEX II | 120V 2 WIRE | HF120SC16/2G03 | 3' Holoflex drop, 16 gauge | | ● | ● | ● | ● | ● | ● | ● |
| | | HF120SC16/2G05 | 5' Holoflex drop, 16 gauge | | ● | ● | ● | ● | ● | ● | ● |
| | | HF120SC16/2G10 | 10' Holoflex drop, 16 gauge | | ● | ● | ● | ● | ● | ● | ● |
| | 277V 2 WIRE | HF277SC16/2G03 | 3' Holoflex drop, 16 gauge | | ● | ● | ● | ● | ● | ● | ● |
| | | HF277SC16/2G05 | 5' Holoflex drop, 16 gauge | | ● | ● | ● | ● | ● | ● | ● |
| | | HF277SC16/2G10 | 10' Holoflex drop, 16 gauge | | ● | ● | ● | ● | ● | ● | ● |
| INTERNAL PLUG-IN WIRING | 1 CIRCUIT | PLR1G | 4' or 8' Plug-in plus ground lead, ballast connected to black | | ● | ● | ● | ● | ● | ● | ● |
| | | PLR2AG | 4' or 8' Plug-in plus ground lead, ballast connected to black | | ● | ● | ● | ● | ● | ● | ● |
| | 2 CIRCUIT | PLR2ABG | 4' or 8' Plug-in plus ground lead, ballast connected to black | | ● | ● | ● | ● | ● | ● | ● |
| FLEXIBLE CONDUIT | | PW1236 | Flexible conduit 6' with 12 gauge 2 wire and ground | | ● | ● | ● | ● | ● | ● | ● |
| | | PW1238 | Flexible conduit 8' with 12 gauge 2 wire and ground | | ● | ● | ● | ● | ● | ● | ● |
| | | PW12310 | Flexible conduit 10' with 12 gauge 2 wire and ground | | ● | ● | ● | ● | ● | ● | ● |
| | | PW1246 | Flexible conduit 6' with 12 gauge 3 wire and ground | | ● | ● | ● | ● | ● | ● | ● |
| | | PW1248 | Flexible conduit 8' with 12 gauge 3 wire and ground | | ● | ● | ● | ● | ● | ● | ● |
| | | PW12410 | Flexible conduit 10' with 12 gauge 3 wire and ground | | ● | ● | ● | ● | ● | ● | ● |
| | | PWS1836 | Flexible conduit 6' with 18 gauge 2 wire and ground | | ● | ● | ● | ● | ● | ● | ● |
| FUSING | FAST BLOW BLOW | GLR | Fast-blow, internal fuse | | ● | ● | ● | ● | ● | ● | ● |
| | SLOW BLOW BLOW | GMF | Slow-blow, internal fuse | | ● | ● | ● | ● | ● | ● | ● |

¹ Available with T5HO only

| | | | | Industrials | | | | | | | | |
|-----------------------|----------------------|----------------------|--|--|----------------|-----|----------------|----|----------------|----|----------------|--|
| | | Catalog # | Description | HSN | HSM | HIS | IC | TN | CC | IW | IT | |
| EMERGENCY BALLASTS | | B50 | For 17W - 32W lamps with 90 minute battery operation for 1 or 2 lamps with lumens from 950 to 1350 | ● ¹ | ● ¹ | ● | ● ¹ | | ● ¹ | ● | ● ¹ | |
| | | B50ST | For 17W - 32W lamps with 90 minute battery operation for 1 or 2 lamps with lumens from 950 to 1350. Ballast is self testing | ● ¹ | ● ¹ | ● | ● ¹ | | ● ¹ | ● | ● ¹ | |
| | | B60 | For 17W - 32W lamps with 90 minute battery operation for 1 or 2 lamps with lumens from 600-700 | ● ¹ | ● ¹ | ● | ● ¹ | | ● ¹ | ● | ● ¹ | |
| | | B70A | For 17W - 32W lamps with 90 minute battery operation for 1 lamp with lumens from 600-700 | ● ¹ | ● ¹ | ● | ● ¹ | | ● ¹ | ● | ● ¹ | |
| | | B90 | For 17W - 32W lamps with 90 minute battery operation for 1 lamp with lumens from 500-600 | ● ¹ | ● ¹ | ● | ● ¹ | | ● ¹ | ● | ● ¹ | |
| | | B100 | For 17W - 32W lamps with 90 minute battery operation for 1 lamp with lumens from 350-450 | ● ¹ | ● ¹ | ● | ● ¹ | | ● ¹ | ● | ● ¹ | |
| | | BLP550 | For F54T5HO lamps with 90 minute battery operation for 1 lamp with lumens of 700. Ballast can be used with T5 | ● ² | ● ² | | ● ² | ● | ● ² | | ● ² | |
| | | BDL600 | For F54T5HO lamps with 90 minute battery operation for 1 lamp with lumens of 1250. Ballast can be used with T5 | ● ² | ● ² | | ● ² | ● | ● ² | | ● ² | |
| | | BDL500 | For 17W - 32W lamps with 90 minute battery operation for 1 or 2 lamps with lumens from 950-1350. Ballast rated damp location | | | | | | | | | |
| MOUNTING OPTIONS | | ALPMHEG01ARRC | Stainless steel mounting hanger snaps onto fiberglass housing of fixture | | | | | | | | | |
| | | EQCLIPS | Earthquake Clips - Lay-in troffer support clips | | | | | | | | | |
| | TRAPEZE HANGERS | | HHBS | Forward facing trapeze hangers, 1 pair, for HEF Series | | | | | | | | |
| | | | HHBS36 | Forward facing trapeze hangers, 1 pair with a pair of 36" jack chain for HEF Series | | | | | | | | |
| | | | HHBS60 | Forward facing trapeze hangers, 1 pair with a pair of 60" jack chain for HEF Series | | | | | | | | |
| | | | HSD | Trapeze hangers, 1 pair, 1 for each end | | | | | | | | |
| | | | HSD36 | Trapeze hangers, 1 pair, 1 for each end with 1 pair of 36" jack chain | | | | | | | | |
| | | | HSD60 | Trapeze hangers, 1 pair, 1 for each end with 1 pair of 60" jack chain | | | | | | | | |
| | FOR PENDANT MOUNTING | | MHHC | STRIPHANG, Chain hanger and pair of 36" jack chain | ● | ● | ● | | | ● | ● | |
| | | | MHICS | ICS Bracket set, mounting hanger for ICS channel | | | | ● | | | | |
| | | | MHTHC | Mounting hanger for 4 3/16" channel | | ● | | | | | | |
| | | | MHYTGB03BRKT | Single point bracket with pair of double Y toggle 3'long #2 gripple for quick installation, 4' fixtures only | | | | | | | | |
| | TONG HANGERS | | THSD | Tong hanger for pendant mounting, 1.125 KO in center | | | | | | | | |
| | | | THSD25K | Tong hanger for pendant mounting, 1.125 KO in center with pair of side plates to close hanger off | | | | | | | | |
| | | | THSD2HB | Tong hanger for pendant mounting, 3/4" diameter center hub with pair of side plates to close hanger off | | | | | | | | |
| DRYWALL GRID ADAPTORS | | ALPDGA22 | 2 x 2 Grid adapters are used to install grid trimmed troffers in plaster board or other hard ceilings | | | | | | | | | |
| | | ALPDGA14 | 1 x 4 Grid adapters are used to install grid trimmed troffers in plaster board or other hard ceilings | | | | | | | | | |
| | | ALPDGA24 | 2 x 4 Grid adapters are used to install grid trimmed troffers in plaster board or other hard ceilings | | | | | | | | | |
| WIREGUARD | FOR HSM | WGS044 | Wireguard, 1 per 4' or 2 per 8' fixture | | | | | | | | | |
| | FOR HSN | WGS054 | Wireguard, 1 per 4' or 2 per 8' fixture | | | | | | | | | |

1 Available with T8 only
 2 Available with T5HO only

| | Catalog # | Description | Strips | | | | Specialty | | | | | |
|-------------------------|---------------------------|----------------|---|----------------|----------------|----|-----------|----|-----|----|-----|---|
| | | | HSN | HSM | HIS | TN | EM | EN | HES | TA | HEF | |
| CORD & PLUG | 120V STRAIGHT MOLDED PLUG | CP15 | NEMA 5-15P - 18/3 6ft, white SJTOW cord set | • | • | • | • | | | | | • |
| | | CP15B | NEMA 5-15P - 18/3 6ft, black SJTOW cord set | • | • | • | • | | | | | • |
| | | CP15L08 | NEMA 5-15P - 18/3 8ft, white SJTOW cord set | • | • | • | • | | | | | • |
| | | CP15BL08 | NEMA 5-15P - 18/3 8ft, black SJTOW cord set | • | • | • | • | | | | | • |
| | | CP15L10 | NEMA 5-15P - 18/3 10ft, white SJTOW cord set | • | • | • | • | | | | | • |
| | | CP15BL10 | NEMA 5-15P - 18/3 10ft, black SJTOW cord set | • | • | • | • | | | | | • |
| | 277V TWIST OFF PLUG | CP1T | NEMA L7-15P - 18/3 6ft, white SJTOW cord set | • | • | • | • | | | | | • |
| | | CP1TB | NEMA L7-15P - 18/3 6ft, black SJTOW cord set | • | • | • | • | | | | | • |
| | | CP1TL08 | NEMA L7-15P - 18/3 8ft, white SJTOW cord set | • | • | • | • | | | | | • |
| | | CP1TBL08 | NEMA L7-15P - 18/3 8ft, black SJTOW cord set | • | • | • | • | | | | | • |
| | | CP1TL10 | NEMA L7-15P - 18/3 10ft, white SJTOW cord set | • | • | • | • | | | | | • |
| | | CP1TBL10 | NEMA L7-15P - 18/3 10ft, black SJTOW cord set | • | • | • | • | | | | | • |
| | 347V TWIST OFF PLUG | CP2T | NEMA L24-20P - 16/3 6ft, white SJTOW cord set | • | • | • | • | | | | | • |
| | | CP2TL08 | NEMA L24-20P - 16/3 8ft, white SJTOW cord set | • | • | • | • | | | | | • |
| | | CP2TL10 | NEMA L24-20P - 16/3 10ft, white SJTOW cord set | • | • | • | • | | | | | • |
| | 480V TWIST OFF PLUG | CP2T | NEMA L8-20P - 16/3 6ft, white SJTOW cord set | • ¹ | • ¹ | | • | | | | | • |
| | | CP2TL08 | NEMA L8-20P - 16/3 8ft, white SJTOW cord set | • ¹ | • ¹ | | • | | | | | • |
| | | CP2TL10 | NEMA L8-20P - 16/3 10ft, white SJTOW cord set | • ¹ | • ¹ | | • | | | | | • |
| HOLOFLEX II | 120V 2 WIRE | HF120SC16/2G03 | 3' Holoflex drop, 16 gauge | • | • | • | • | | | | | • |
| | | HF120SC16/2G05 | 5' Holoflex drop, 16 gauge | • | • | • | • | | | | | • |
| | | HF120SC16/2G10 | 10' Holoflex drop, 16 gauge | • | • | • | • | | | | | • |
| | 277V 2 WIRE | HF277SC16/2G03 | 3' Holoflex drop, 16 gauge | • | • | • | • | | | | | • |
| | | HF277SC16/2G05 | 5' Holoflex drop, 16 gauge | • | • | • | • | | | | | • |
| | | HF277SC16/2G10 | 10' Holoflex drop, 16 gauge | • | • | • | • | | | | | • |
| INTERNAL PLUG-IN WIRING | 1 CIRCUIT | PLR1G | 4' or 8' Plug-in plus ground lead, ballast connected to black | • | • | • | • | | | | | |
| | | PLR2AG | 4' or 8' Plug-in plus ground lead, ballast connected to black | • | • | • | • | | | | | |
| | 2 CIRCUIT | PLR2ABG | 4' or 8' Plug-in plus ground lead, ballast connected to black | • | • | • | • | | | | | |
| FLEXIBLE CONDUIT | | PW1236 | Flexible conduit 6' with 12 gauge 2 wire and ground | • | • | • | • | | | | | • |
| | | PW1238 | Flexible conduit 8' with 12 gauge 2 wire and ground | • | • | • | • | | | | | • |
| | | PW12310 | Flexible conduit 10' with 12 gauge 2 wire and ground | • | • | • | • | | | | | • |
| | | PW1246 | Flexible conduit 6' with 12 gauge 3 wire and ground | • | • | • | • | | | | | • |
| | | PW1248 | Flexible conduit 8' with 12 gauge 3 wire and ground | • | • | • | • | | | | | • |
| | | PW12410 | Flexible conduit 10' with 12 gauge 3 wire and ground | • | • | • | • | | | | | • |
| | | PWS1836 | Flexible conduit 6' with 18 gauge 2 wire and ground | • | • | • | • | | | | | • |
| FUSING | | GLR | Fast-blow, internal fuse | • | • | • | • | • | • | • | • | • |
| | | GMF | Slow-blow, internal fuse | • | • | • | • | • | • | • | • | • |

¹ Available with T5HO only

| | Catalog # | Description | Strips | | | | Specialty | | | | | |
|-----------------------|----------------------|--|--|----------------|-----|----|-----------|----|-----|----|-----|---|
| | | | HSN | HSM | HIS | TN | EM | EN | HES | TA | HEF | |
| EMERGENCY BALLASTS | B50 | For 17W - 32W lamps with 90 minute battery operation for 1 or 2 lamps with lumens from 950 to 1350 | • ¹ | • ¹ | • | | | | | • | | |
| | B50ST | For 17W - 32W lamps with 90 minute battery operation for 1 or 2 lamps with lumens from 950 to 1350. Ballast is self testing | • ¹ | • ¹ | • | | | | | • | | |
| | B60 | For 17W - 32W lamps with 90 minute battery operation for 1 or 2 lamps with lumens from 600-700 | • ¹ | • ¹ | • | | | | | • | | |
| | B70A | For 17W - 32W lamps with 90 minute battery operation for 1 lamp with lumens from 600-700 | • ¹ | • ¹ | • | | | | | • | | |
| | B90 | For 17W - 32W lamps with 90 minute battery operation for 1 lamp with lumens from 500-600 | • ¹ | • ¹ | • | | | | | • | | |
| | B100 | For 17W - 32W lamps with 90 minute battery operation for 1 lamp with lumens from 350-450 | • ¹ | • ¹ | • | | | | | • | | |
| | BLP550 | For F54T5HO lamps with 90 minute battery operation for 1 lamp with lumens of 700. Ballast can be used with T5 | • ² | • ² | | • | | | | | | |
| | BDL600 | For F54T5HO lamps with 90 minute battery operation for 1 lamp with lumens of 1250. Ballast can be used with T5 | • ² | • ² | | • | | | | | | |
| | BDL500 | For 17W - 32W lamps with 90 minute battery operation for 1 or 2 lamps with lumens from 950-1350. Ballast rated damp location | | | | | | | • | • | | |
| MOUNTING OPTIONS | ALPMHEG01ARRC | Stainless steel mounting hanger snaps onto fiberglass housing of fixture | | | | | | | | • | | |
| | EQCLIPS | Earthquake Clips - Lay-in troffer support clips | | | | | | | | | | |
| | TRAPEZE HANGERS | HHBS | Forward facing trapeze hangers, 1 pair, for HEF Series | | | | | | | | | • |
| | | HHBS36 | Forward facing trapeze hangers, 1 pair with a pair of 36" jack chain for HEF Series | | | | | | | | | • |
| | | HHBS60 | Forward facing trapeze hangers, 1 pair with a pair of 60" jack chain for HEF Series | | | | | | | | | • |
| | | HSD | Trapeze hangers, 1 pair, 1 for each end | | | | | | | | | |
| | | HSD36 | Trapeze hangers, 1 pair, 1 for each end with 1 pair of 36" jack chain | | | | | | | | | |
| | | HSD60 | Trapeze hangers, 1 pair, 1 for each end with 1 pair of 60" jack chain | | | | | | | | | |
| | FOR PENDANT MOUNTING | MHHC | STRIPHANG, Chain hanger and pair of 36" jack chain | • | • | • | | | | | | |
| | | MHICS | ICS Bracket set, mounting hanger for ICS channel | | | | | | | | | |
| | | MHTHC | Mounting hanger for 4 3/16" channel | | • | | | | | | | |
| | | MHYTGB03BRKT | Single point bracket with pair of double Y toggle 3"long #2 gripple for quick installation, 4' fixtures only | | | | | | | | | • |
| | TONG HANGERS | THSD | Tong hanger for pendant mounting, 1.125 KO in center | | | | | | | | | |
| | | THSD2SK | Tong hanger for pendant mounting, 1.125 KO in center with pair of side plates to close hanger off | | | | | | | | | |
| | | THSD2HB | Tong hanger for pendant mounting, 3/4" diameter center hub with pair of side plates to close hanger off | | | | | | | | | |
| DRYWALL GRID ADAPTORS | ALPDGA22 | 2 x 2 Grid adapters are used to install grid trimmed troffers in plaster board or other hard ceilings | | | | | | | | | | |
| | ALPDGA14 | 1 x 4 Grid adapters are used to install grid trimmed troffers in plaster board or other hard ceilings | | | | | | | | | | |
| | ALPDGA24 | 2 x 4 Grid adapters are used to install grid trimmed troffers in plaster board or other hard ceilings | | | | | | | | | | |
| WIREGUARD | FOR HSM | WWS044 | Wireguard, 1 per 4' or 2 per 8' fixture | | • | | | | | | | |
| | FOR HSN | WWS054 | Wireguard, 1 per 4' or 2 per 8' fixture | | | | | | | | | |

1 Available with T8 only
 2 Available with T5HO only

OPTIONS AND ACCESSORIES Cord Set Options

CP | CX

FEATURES:

- SJTOW
 - Up to 300V
 - Flammability: VW-1 (UL), FT1 (CSA)
 - Max. temperature rating: 105°C dry, 60°C wet
 - Oil and water resistant, thermoplastic jacket
- STOW
 - Up to 600V
 - Flammability: VW-1 (UL), FT1 (CSA)
 - Max. temperature rating: 105°C dry, 60°C wet
 - Oil and water resistant, thermoplastic jacket

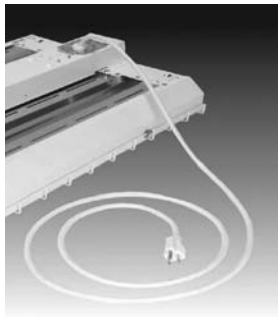


Example: CP 1 T 6 (blank) (blank) B L10

How to Construct a Catalog Number:

| CP | 1 | T | 6 | (blank) |
|---|---|---|--|--|
| 1 | 2 | 3 | 4 | 5 |
| CORDSET TYPE | PLUG AMPACITY | PLUG BLADE TYPE | CONDUCTOR GAUGE | CONDUCTOR QUANTITY |
| CP Cord with plug CX Cord only | (blank) ¹ No plug 1 15A 2 20A 3 30A 1 Available with "CX" only | (blank) ¹ No plug T Twist-off S Straight, non locking 1 Available with "CX" only | (blank) 18 Gauge for 15A 16 Gauge for 20, 30A 6 ¹ 16 Gauge 4 14 Gauge 2 12 Gauge 1 Only specify if using for 12-277V; standard on 347-480V | (blank) 3 conductor (2 wire + ground) F ¹ 4 conductor (16 gauge is standard) 1 Available with "CX" only |

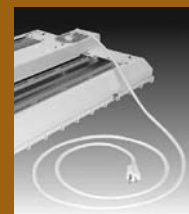
CP | Cord with plug



| NEMA Straight Blade Configurations | | | | |
|------------------------------------|----------|-------------------|---------------------|--|
| Catalog Designation | Ampacity | Voltage | NEMA Configuration | Illustration |
| CP1S (120 Volt Fixtures) | 15A | 120V (L, N, G) | 5 - 15 (L, N, G) | 5 - 15P Plug 5 - 15R Receptacle |
| CP1S (277 Volt Fixtures) | 15A | 277V (L, N, G) | 7 - 15 (L, N, G) | 7 - 15P Plug 7 - 15R Receptacle |

Contact your local sales rep for the most current option and accessory compatibility.

Cord Set
Options



| | | |
|--|--|---|
| (blank) | B | L10 |
| 6 | 7 | 6 |
| CORD TYPE | COLOR | LENGTH |
| (blank) 120-277V, SJTOW standard 347-480V, STOW standard H STOW for 120-277V | (blank) White B Black | (blank) 6' Standard L10 10' LXX ¹ X= Length in feet |
| | | ¹ Longer lead times for lengths other than 6' and 8' |

| NEMA Locking Configurations | | | | | | | | |
|-----------------------------|---------------|---------------------------|------------------------|---|---------------|---------------|------|------------|
| Catalog Designation | Ampacity | Voltage | NEMA Configuration | Illustration | | | | |
| CP1T | 15A | 120V (L, N, G) | L5 - 15 (L, N, G) | <table border="0"> <tr> <td>L5 - 15P </td> <td>L5 - 15R </td> </tr> <tr> <td>Plug</td> <td>Receptacle</td> </tr> </table> | L5 - 15P | L5 - 15R | Plug | Receptacle |
| L5 - 15P | L5 - 15R | | | | | | | |
| Plug | Receptacle | | | | | | | |
| CP1T | 15A | 208V, 240V (L1, L2, G) | L6 - 15 (L1, L2, G) | <table border="0"> <tr> <td>L6 - 15P </td> <td>L6 - 15R </td> </tr> <tr> <td>Plug</td> <td>Receptacle</td> </tr> </table> | L6 - 15P | L6 - 15R | Plug | Receptacle |
| L6 - 15P | L6 - 15R | | | | | | | |
| Plug | Receptacle | | | | | | | |
| CP1T | 15A | 277V (L, N, G) | L7 - 15 (L, N, G) | <table border="0"> <tr> <td>L7 - 15P </td> <td>L7 - 15R </td> </tr> <tr> <td>Plug</td> <td>Receptacle</td> </tr> </table> | L7 - 15P | L7 - 15R | Plug | Receptacle |
| L7 - 15P | L7 - 15R | | | | | | | |
| Plug | Receptacle | | | | | | | |
| CP2T | 20A | 120V (L, N, G) | L5 - 20 (L, N, G) | <table border="0"> <tr> <td>L5 - 20P </td> <td>L5 - 20R </td> </tr> <tr> <td>Plug</td> <td>Receptacle</td> </tr> </table> | L5 - 20P | L5 - 20R | Plug | Receptacle |
| L5 - 20P | L5 - 20R | | | | | | | |
| Plug | Receptacle | | | | | | | |
| CP2T | 20A | 208V, 240V (L1, L2, G) | L6 - 20 (L1, L2, G) | <table border="0"> <tr> <td>L6 - 20P </td> <td>L6 - 20R </td> </tr> <tr> <td>Plug</td> <td>Receptacle</td> </tr> </table> | L6 - 20P | L6 - 20R | Plug | Receptacle |
| L6 - 20P | L6 - 20R | | | | | | | |
| Plug | Receptacle | | | | | | | |
| CP2T | 20A | 277V (L, N, G) | L7 - 20 (L, N, G) | <table border="0"> <tr> <td>L7 - 20P </td> <td>L7 - 20R </td> </tr> <tr> <td>Plug</td> <td>Receptacle</td> </tr> </table> | L7 - 20P | L7 - 20R | Plug | Receptacle |
| L7 - 20P | L7 - 20R | | | | | | | |
| Plug | Receptacle | | | | | | | |
| CP2T | 20A | 347V (L, N, G) | L24 - 20 (L, N, G) | <table border="0"> <tr> <td>L24 - 20P </td> <td>L24 - 20R </td> </tr> <tr> <td>Plug</td> <td>Receptacle</td> </tr> </table> | L24 - 20P | L24 - 20R | Plug | Receptacle |
| L24 - 20P | L24 - 20R | | | | | | | |
| Plug | Receptacle | | | | | | | |
| CP2T | 20A | 480V (L1, L2, G) | L8 - 20 (L1, L2, G) | <table border="0"> <tr> <td>L8 - 20P </td> <td>L8 - 20R </td> </tr> <tr> <td>Plug</td> <td>Receptacle</td> </tr> </table> | L8 - 20P | L8 - 20R | Plug | Receptacle |
| L8 - 20P | L8 - 20R | | | | | | | |
| Plug | Receptacle | | | | | | | |

OPTIONS AND ACCESSORIES

Motion Sensor Options

SNS | SNR | SNA | SNB
SNC | SNN

FEATURES:

- Low voltage relays can be factory installed - allow maximum flexibility when using remote sensors
- Voltage specific option - fixture voltage must be specified when ordering
- Some or all lamps can be controlled by the sensor, offering a range of illuminance control
- Sensors can be factory installed in some luminaires, otherwise field mounted by installer

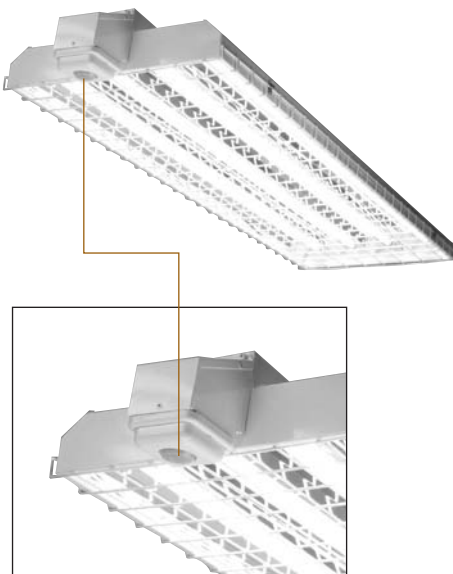


Example: SNS H C L H Z Q S

How to Construct a Catalog Number:

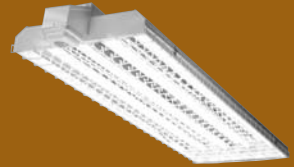
| SNS 1 | H 2 | C 3 | L 4 |
|---|--|--|---|
| SENSING COVERAGE | TYPE | VARIATION | CONTROL VOLTAGE |
| SNS ¹ 360° Sensing SNR ² 360° Sensing SNA Aisle single wedge SNB Aisle double wedge SNC Low aisle double wedge SNN No sensing head | (blank) ¹ Complete sensor H Sensor control module, head B ² Sensor power module, base R ² Relay/power pack | (blank) No variation C Integral photocell override option | (blank) Line voltage, same as ballast L Low voltage, 24VDC |
| 1 For mounting height above 25' 2 For mounting height below 25' | 1 Head and base 2 Available only with "SNN" | | |

SNS | External Sensor¹



¹ Not all luminaire options are available with sensors – consult factory.

Motion Sensor
Options



H
5

MOUNTING

(blank)¹ Internal
H External
P^{1,2} Internal
T² External

¹ Available only with "HB", "HC" and "HAF" Series
² Perpendicular to lamps

Z
6

WIRING

(blank) All ballast wired to sensor
Z¹ Night-light wiring

¹ One ballast (in-board lamps) always on

Q
7

TEMP RATING

(blank) Normal, 0°C
Q Low, -20°C

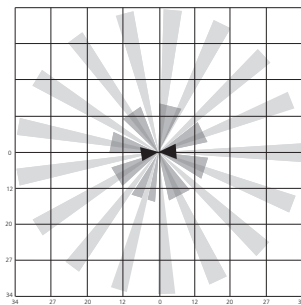
¹ Available only with mounting "E"

S
8

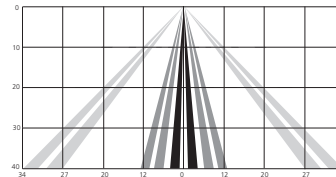
MANUFACTURER

(blank) Plant standard
S Sensor switch
W Watt stopper

TOP VIEW
Sensing Coverage



SIDE VIEW
Sensing Coverage

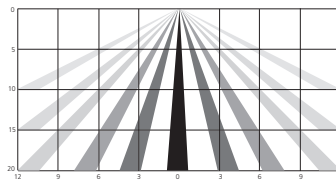
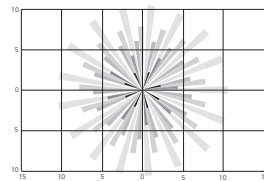


SNS

Typical mounting height: 20-45'
Optimal coverage: 68' diameter at 40' height
Application: High bay, open area

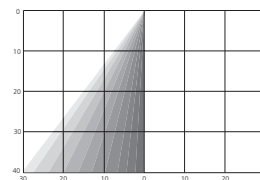
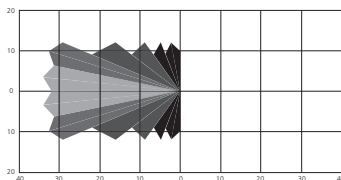
SNR

Typical mounting height: 10-30'
Optimal coverage: 24' diameter at 20' height
Application: Low bay, open area



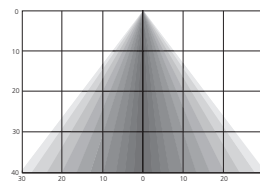
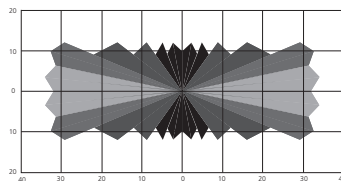
SNA

Typical mounting height: 20-45'
Optimal coverage: 68' diameter at 40' height
Application: High bay, open area



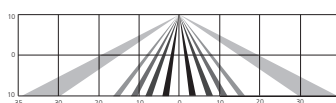
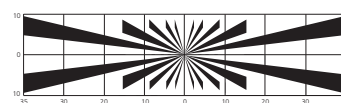
SNB

Typical mounting height: 20-40'
Optimal coverage: 60' linear x 20' width
Application: High bay, open area



SNC

Typical mounting height: 8'
Optimal coverage: 68' linear x 20' width
Application: Conveyors



Contact your local sales rep for the most current option and accessory compatibility.

OPTIONS AND ACCESSORIES Steel Cable Hangers

MH

FEATURES:

- Galvanized steel cables provided in kits, two cables per kit
- Each cable includes one adjustable steel yoke to form a mounting loop
- No special tools or skills required for installation
- Self locking zinc housing
- Versatile and quick mounting saves installation time

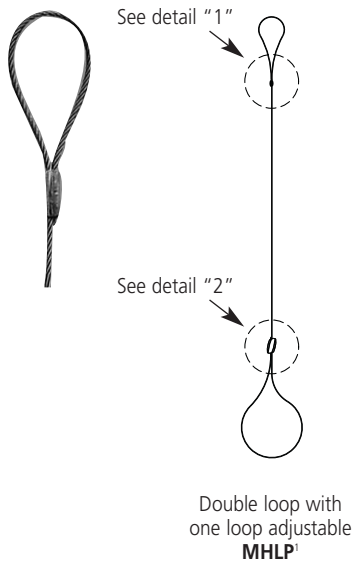


Example: MH LP B 10

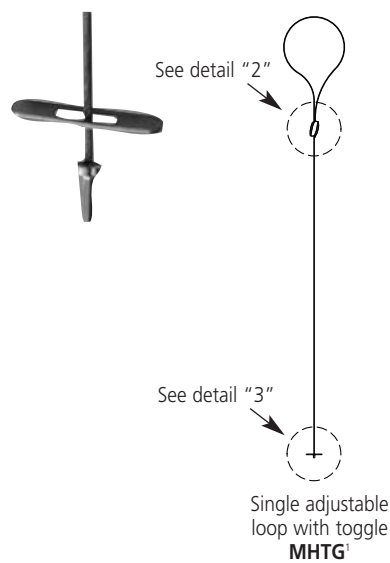
How to Construct a Catalog Number:

| MH | LP | B | 10 |
|-----------------|--|---------------------|------------------|
| 1 | 2 | 3 | 4 |
| CABLE | END TYPE | SIZE | LENGTH |
| MH Cable Hanger | LP Loop end TG Single toggle YTG Two toggles, 18" legs | B 5/64" approximate | 10 10' 30 30' |

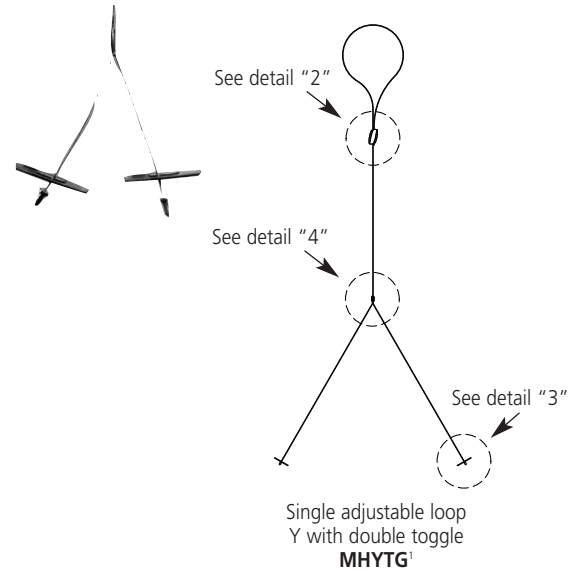
LP | Loop End



TG | Single Toggle



YTG | Two Toggles



Steel Cable Hangers



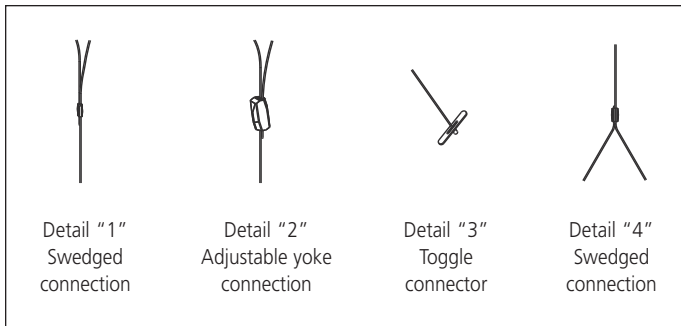
Loop End



Single Toggle



Two Toggles



Custom versions available – contact factory.

Flex Wiring

Holoflex® and Holoflex® II modular wiring systems are designed to address the high labor costs and fast pace of today's construction projects. Whether it is new or existing construction, Holoflex wiring systems reduce the installation time associated with hardwire systems by as much as 75%. This translates directly to quicker installation and labor cost savings which help keep your project on time and within budget.

- **Time savings**
- **Simplified installment**
- **Easier management**
- **Immediate payoff**
- **Uniform illumination, visual comfort**
- **Energy efficient, long life**

Simplified installment

Three or four basic components plug and lock together to make the system easy to understand and simple to install. All components are keyed and clearly labeled to eliminate the possibility of any misconnection, keeping it trouble free. The Holoflex wiring systems begin at a lighting panel or at a remote junction box. From this point on, the system simply plugs together.



TYPICAL APPLICATIONS:

- Office Buildings
- Power Plants
- Warehouses
- Catwalks
- Distribution Centers
- Manufacturing
- Assembly Areas
- Commercial Areas
- Storage Areas
- Schools
- Offices

Flex Wiring

Holoflex

Holoflex II

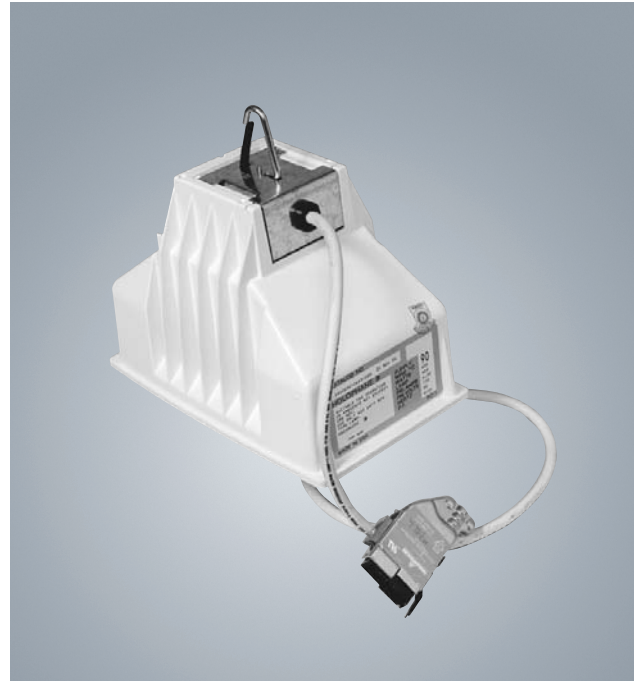
Easier management

Job site management is also simplified with Holoflex wiring systems. A single cable for each fixture eliminates the wide assortment of different components required for hardwiring. The need to keep track of the number of fittings and boxes or feet of conduit and wire required to do the job is also eliminated. As a result, the amount of material on the job site is minimized.

Time savings

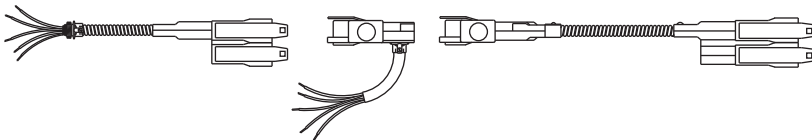
Savings from Holoflex wiring systems are realized immediately. Many good products realize their payoff in one to two years through energy and maintenance savings. Holoflex wiring systems provide savings that are realized at installation time so payoff is immediate.

Time savings, simplicity, easier management and immediate payoff all make Holoflex wiring systems an easy and logical choice.



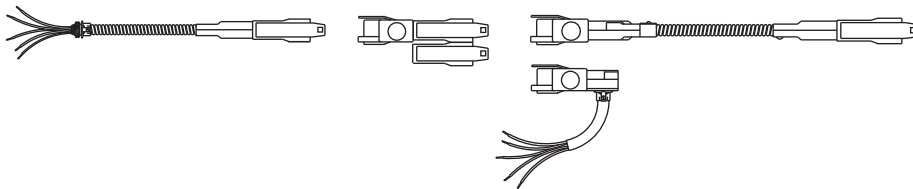
Holoflex Circuit Selector System for HID – 3 wire

See page 212-213



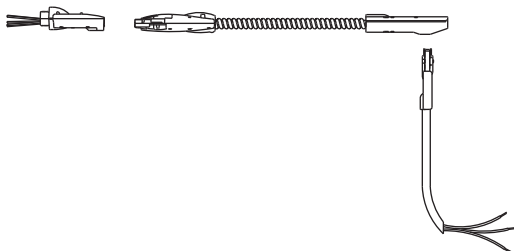
Holoflex "L" Drop System for HID – 4 or 5 wire

See page 214-215



Holoflex II Selectable Drop System for HID – 3, 4 or 5 wire

See page 216-217



HOLOPHANE®

The "L" drop system replaces conduit, cord, plug and receptacle installations. The double end cable allows for fixture removal without disrupting operations or interrupting circuit power. Easier fixture maintenance is accomplished with this added feature while offering flexibility and adaptability in the lighting layout.

FLEX WIRING Holoflex®

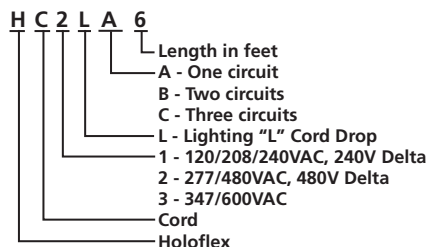
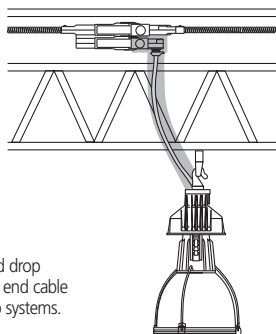
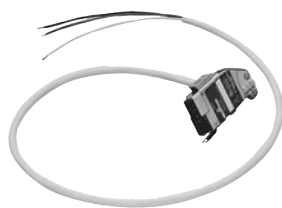
H "L" Drop System for HID-3 wire

FEATURES:

- Pre-wired connectors
- Metal clad cables
- Color coded and keyed
- Dead front cables for safety
- Dry locations only

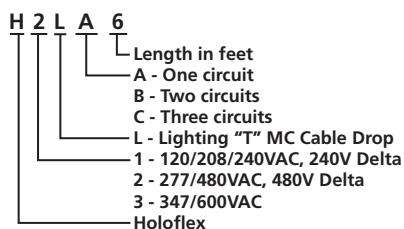
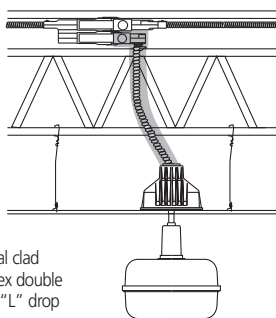


L | Lighting "L" Cord Drop



Lighting "L" Cord Drop Factory attached cord drop connects a lighting fixture into Holoflex double end cable systems. Available for use with 3 wire "L" drop systems. Suitable for use in open ceiling applications.

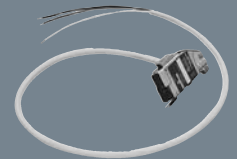
L | Lighting "L" Cable Drop



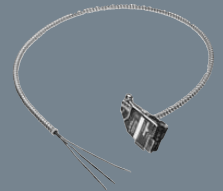
Lighting "L" Cable Drop Factory attached metal clad cable drop connects a lighting fixture into Holoflex double end cable systems. Available for use with 3 wire "L" drop systems. Suitable for use above suspended ceiling applications.



“L” Drop System
for HID-3 wire



“L” Cord Drop



“L” Cable Drop



Double End
Extender Cable

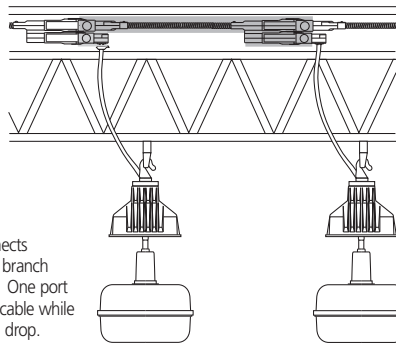


Double End
Distribution Cable

EE | Double End Extender Cable

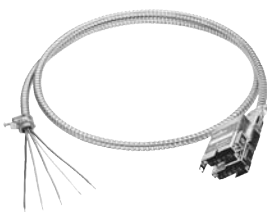


Double End Extender Cable Connects between fixture “L” drops to supply branch circuit power to the lighting fixtures. One port feeds the next double end extender cable while the other port feeds the lighting “L” drop. Available in 3 wire systems.

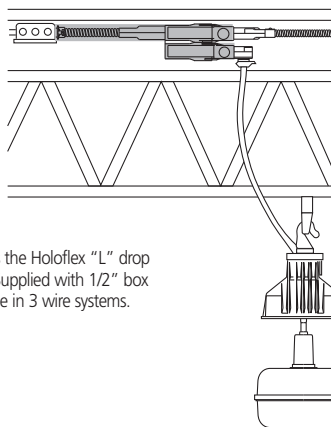


- H 2 EE A 25
- Length in feet
- A - One circuit
- B - Two circuits
- C - Three circuits
- EE - Double Extender Cable
- 1 - 120/208/240VAC, 240V Delta
- 2 - 277/480VAC, 480V Delta
- 3 - 347/600VAC
- Holoflex

DD | Double End Distribution Cable



Double End Distribution Cable Interfaces the Holoflex “L” drop system to the hard wired conduit system. Supplied with 1/2” box connector. Use to begin each run. Available in 3 wire systems.



- H 2 DD A 10
- Length in feet
- A - One circuit
- B - Two circuits
- C - Three circuits
- DD - Double Distribution Cable
- 1 - 120/208/240VAC, 240V Delta
- 2 - 277/480VAC, 480V Delta
- 3 - 347/600VAC
- Holoflex

FLEX WIRING Holoflex®

H Circuit Selector - 4 & 5 wire

FEATURES:

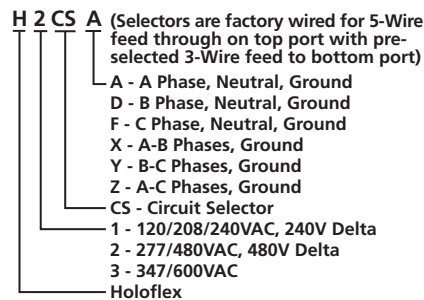
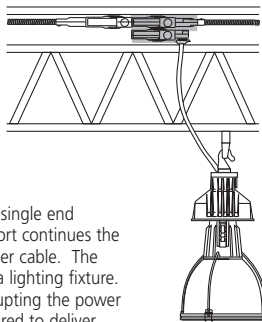
- Pre-wired connectors
- Metal clad cables
- Color coded and keyed
- Dead front cables for safety
- Dry locations only



CS | Circuit Selector



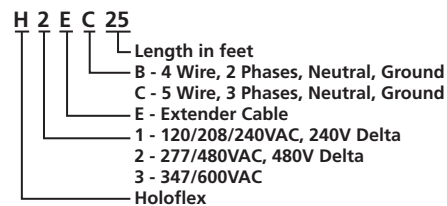
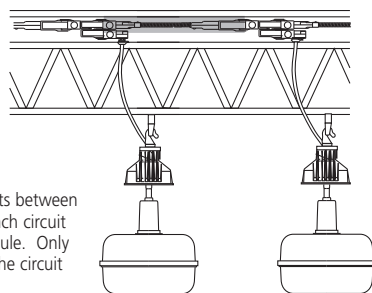
Circuit Selector Module Connects to a single end distribution or extender cable. The top port continues the 5 wire Holoflex run on to the next extender cable. The bottom port feeds a 3 wire "L" drop for a lighting fixture. This allows fixture removal without interrupting the power of the circuit. The circuit selector is pre-wired to deliver either A to neutral, B to neutral, C to neutral, A to B, B to C, or A to C branch circuit power. Each module is marked to indicate the connection.



E | Single End Extender Cable



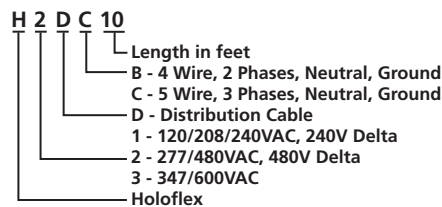
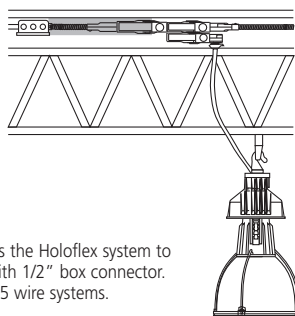
Single End Extender Cable Connects between circuit selector modules to supply branch circuit power to the next circuit selector module. Only use 4 or 5 wire extender cables with the circuit selector systems



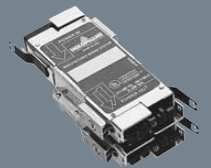
D | Single End Distribution Cable



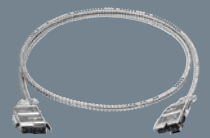
Single End Distribution Cable Interfaces the Holoflex system to the hard wire conduit system. Supplied with 1/2" box connector. Used to begin each run. Available in 4 or 5 wire systems.



**Circuit Selector
4 & 5 wire**



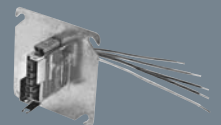
Circuit Selector Module



*Single End
Extender Cable*



*Single End
Distribution Cable*

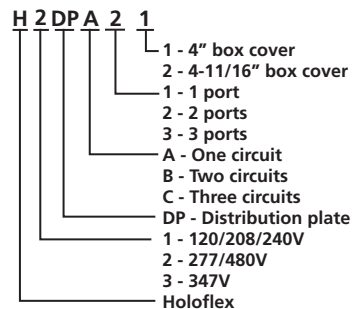
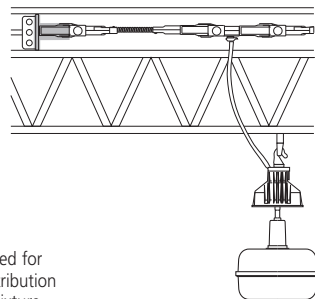
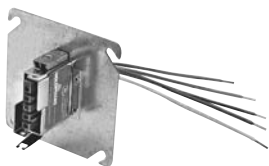


Distribution Plate



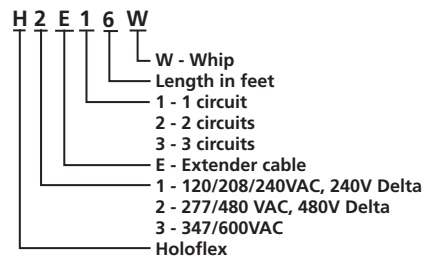
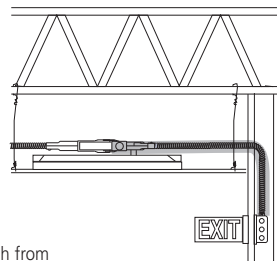
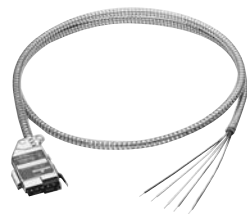
Whip Extender Cable

DP | Distribution Plate Cover



Distribution Plate Cover Replaces the need for distribution cables. Begin a run with a distribution plate and use an extender cable for every fixture. Available in 5 wire. Cap off extra conductors when used with 3 and 4 wire systems.

E | Whip Extender Cable



Whip Extender Cable Use to deliver branch from the Holoflex wiring system to a remote location or non-accessible location. A typical use is to deliver branch power from a night light circuit to self-contained exit signs or unit equipment. Available in 3, 4 and 5 wire systems.

HOLOPHANE®

The Holoflex® II selectable cord drop wiring system replaces conduit, cord, plug and receptacle installations. The selectable cord drop connects to a double port end cable for easier fixture removal without disrupting operations or interrupting circuit power available on three, four, and five wire Holoflex II wiring systems.

FLEX WIRING Holoflex® II

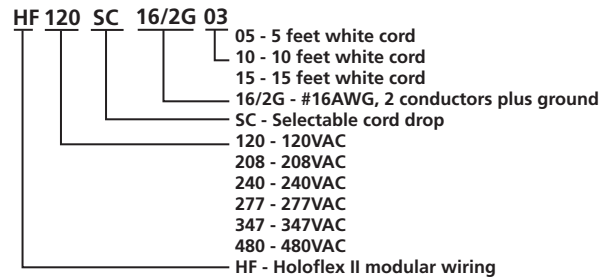
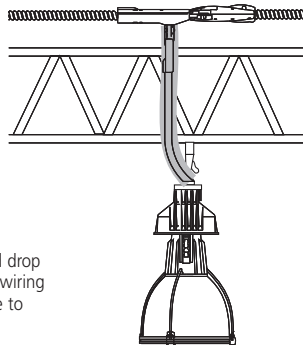
HF

FEATURES:

- Pin and socket contacts
- Suitable for make or break under load
- Color coded and safety keyed

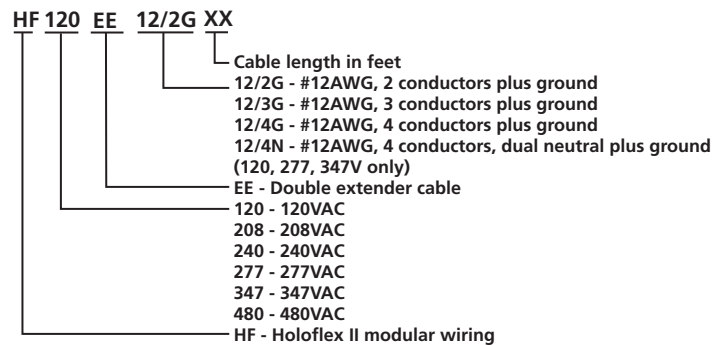
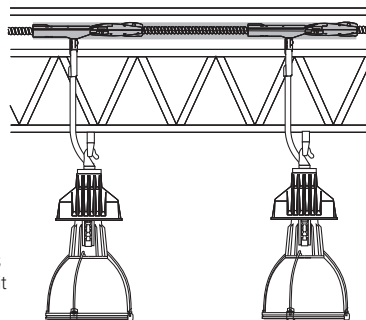


SC | Selectable Cord Drop



Selectable Cord Drop Factory attached cord drop connects a lighting fixture into the Holoflex II wiring system. The 3 wire drop is available for phase to neutral or phase to phase systems. The drop features a field selectable slide switch that determines to which conductor the drop connects once it is plugged into a double extender cable. For use in open ceiling applications.

EE | Double Extender Cable



Double Extender Cable Connects between fixtures to supply branch circuit power to the next fixture and double extender cable.



Selectable Cord Drop System



Selectable Cord Drop



Double Extender Cable

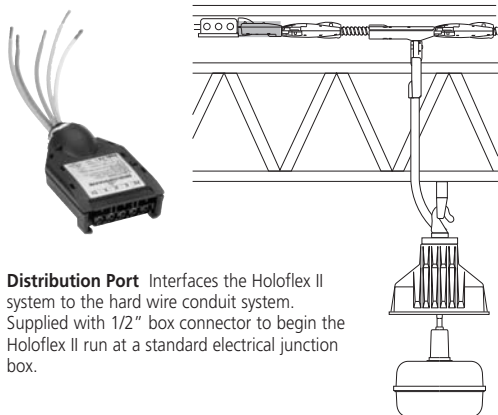


Distribution Port

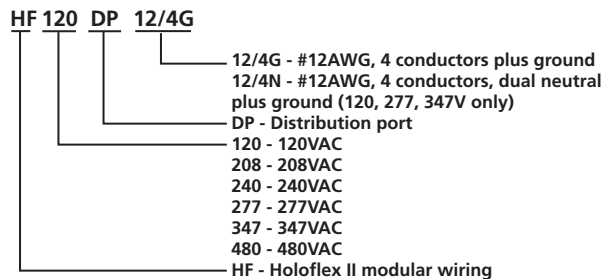


Whip Extender Cable

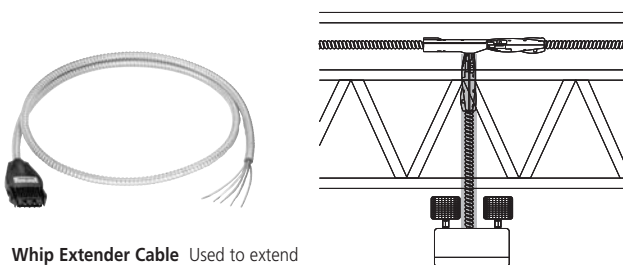
DP | Distribution Port



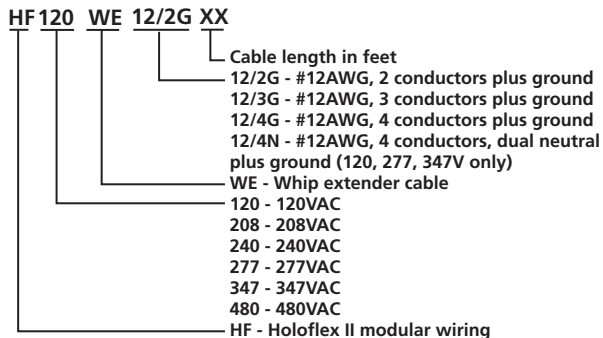
Distribution Port Interfaces the Holoflex II system to the hard wire conduit system. Supplied with 1/2" box connector to begin the Holoflex II run at a standard electrical junction box.



WE | Whip Extender Cable



Whip Extender Cable Used to extend branch power to miscellaneous devices from the Holoflex II system. The whip end extender cable can connect to any double extender cable. A typical application includes supplying power to self contained exit or emergency lighting units.



Emergency

Holophane has been an innovative force in optical technology and lighting product development since 1898. Our extensive line of emergency products is characterized by rugged construction, design flexibility, high efficiency and exceptional reliability.

TYPICAL APPLICATIONS:

Schools
Offices
Plants
Retail Stores
Hallways
Lobbies
Warehouses
Assembly Areas
Hospitals
Supermarkets
Department Stores



- **Code compliant**
- **Application flexible**
- **Finest materials**
- **Easy to install**
- **Superior performance**

Emergency

Architectural

Commercial/Industrial

NEMA/Hazardous

Exits

Accessories

Product Overview

Holophane emergency lighting products are designed specifically to provide for the safety of people and the protection of property in the event normal lighting power fails or is interrupted. The product line consists of a variety of exit signs, combination exits, unit equipment, battery packs, remote lighting fixtures and lamp heads to meet exacting emergency lighting needs.

With integrated line sensitive electronics, Holophane emergency lighting products activate automatically and provide emergency illumination for safe egress or other internal movement when normal lighting power fails or is interrupted.



Emergency

ARCHITECTURAL

| | | | | | | |
|--|--|---|--|--|--|--|
| <p>CORTEZ A5 Page 222</p>  <p>CZA5</p> | <p>CORTEZ A6/A12 Page 224</p>  <p>CZA6</p> | <p>CORTEZ Z10 Page 226</p>  <p>CZ10</p> | <p>H AND HM SERIES Page 228</p>  <p>N Recessed Step T Recessed Square V Surface or Recessed Mount P Recessed Round</p> | | | |
|--|--|---|--|--|--|--|

NEMA/HAZARDOUS

| | | | | | | |
|--|--|--|--|---|--|--|
| <p>DESOTO M40 Page 236</p>  <p>DM4</p> | <p>DESOTO M50 Page 238</p>  <p>DM5</p> | <p>DESOTO M60 Page 240</p>  <p>DM6</p> | <p>DESOTO M70 Page 242</p>  <p>DM7</p> | <p>DELEON HD Page 244</p>  <p>LHDE</p> | <p>DELEON NM Page 246</p>  <p>LNME</p> | <p>DESOTO HRE Page 250</p>  <p>DSHRE</p> |
|--|--|--|--|---|--|--|

OUTDOOR

| | | | |
|--|--|--|--|
| <p>CORTEZ A9 Page 254</p>  <p>CZA95 CZA97 CZA911 CZA914</p> | | | |
|--|--|--|--|

EXITS

| | |
|---|--|
| <p>MAGELLAN EC Page 256</p>  <p>MECE Wall mount MECE Ceiling mount</p> | |
|---|--|

ACCESSORIES

| | | | | | | |
|--|---|--|---|--|--|--|
| <p>SHIELD Page 268</p>  <p>PVS</p> | <p>WIRE GUARD Page 268</p>  <p>WG</p> | <p>SHELF Page 268</p>  <p>MSHELF</p> | <p>OB SERIES REMOTE LAMP HEAD MOUNTING PLATES Page 272</p>  <p>OBMP1 OBDMP1WP OBDMP1 OBMB1 OBMB2</p> | | | |
|--|---|--|---|--|--|--|

Product Selection Matrix

COMMERCIAL/INDUSTRIAL



X
Recessed Eyeball



HM Surface
Round Gimbal

CORTEZ A1

Page 230



C1

CORTEZ A4

Page 232



C4

DESOTO M80

Page 234



DM8

DESOTO HR

Page 248



DSHRP
Pendant Mount



DSHRC
Ceiling Mount



DSHRW
Wall Mount



DSHRP(E)
Pendant with Exit



DSHRCCT60
Ceiling-Self Contained

DESOTO HZ

Page 252



DSHZ

MAGELLAN ES

Page 258



MAES

MAGELLAN QT

Page 260



MQTE

MAGELLAN ST

Page 262



MSTE

MSTD

MAGELLAN SL

Page 264



MASL

DELEON TL

Page 266



LNTL

LR SERIES REMOTE LAMP HEADS

Page 270



LRDTA



LRHS6



LRY



LRNA

NAV-CHECK

Page 274



NA

NK

NAVIGATOR SERIES Cortez® A5

CZA5

FEATURES:

- Square architectural design
- Surface or recessed mounting
- Universal junction box and key hole slot mounting pattern knockouts in backbox
- UL-94V-0 flame retardant thermoplastic frame and surface backbox
- 120/277 volt AC input
- Surge and brownout protection
- Maintenance free, sealed nickel cadmium or lead calcium batteries with 90 minutes emergency operation
- Three year full electronics warranty
- UL 924 listed. Meets or exceeds NFPA 101, NEC, IBC and OSHA illumination and performance standards



Example: CZA5 12 FR PC HPRMP1

How to Construct a Catalog Number

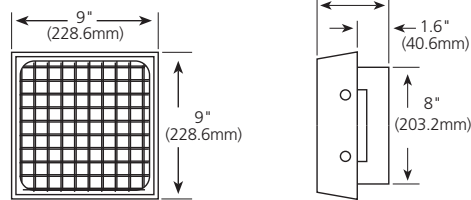
| CZA5 | 12 | FR | PC |
|-----------------------|--|---|---|
| 1 | 2 | 3 | 4 |
| SERIES | WATTAGE AND BATTERY | MOUNTING | OPTIONS (FACTORY INSTALLED) |
| CZA5 Cortez A5 | 12 12W, 6 volt nickel cadmium, 12W halogen lamp 26 26W, 6 volt nickel cadmium, 12W halogen lamp C12 12W, 6 volt lead calcium, 12W halogen lamp R Remote 6 volt, 12W halogen lamp, less battery R12 Remote 12 volt, 12W halogen lamp, less battery | SM Surface mount FR Fully recessed | PC Polycarbonate lens V Voltmeter 2L (2) 7 watt lamp (CZA526 only) |

CZA5 | Cortez A5

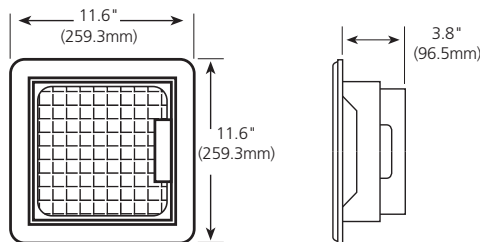


Weight:
 12W lead calcium: 2.3 kg. (5 lbs.)
 26W nickel cadmium: 2.7 kg. (6 lbs.)
 Energy Performance:
 120 VAC – 0.096 amps, 10W
 277 VAC – 0.04 amps, 10W

Surface Mount



Fully Recessed Mount



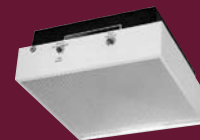


HOLOPHANE®

NAVIGATOR® SERIES

Life Safety Products

EMERGENCY
NAVIGATOR SERIES
Architectural
Cortez® A5



HPRMP1

4

ACCESSORIES (*SHIPS SEPARATELY*)

| | |
|-----------------|--------------------------------------|
| HPRMP1 | Semi-recessed backbox |
| HPWG3 | Wire guard |
| HPWG4 | Wire guard for fully recessed unit |
| C2A56SM | Surface mount remote unit (6 volt) |
| C2A56FR | Recessed mount remote unit (6 volt) |
| C2A512SM | Surface mount remote unit (12 volt) |
| C2A512FR | Recessed mount remote unit (12 volt) |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The Cortez A6 is ideal for areas requiring a low profile emergency lighting unit. The Cortez A6 is suitable for air handling plenums or drywall applications. An optional bar hanger kit is available for mounting in suspended ceilings.

FEATURES:

- Fully recessed design for wall or ceiling mounting
- Suitable for air handling plenums or drywall applications
- Faceplate constructed of UL-947V-0 flame retardant impact resistant thermoplastic
- Completely self-contained
- Nickel cadmium or lead calcium batteries
- 120/277 volt AC input
- Surge and brownout protection
- Three year full electronics warranty
- UL 924 listed. Meets or exceeds NFPA 101, NEC, IBC and OSHA illumination and performance standards



NAVIGATOR SERIES

Cortez® A6/A12

CZA6 | CZA12

Example: CZA6 18L V HPBHK1

How to Construct a Catalog Number

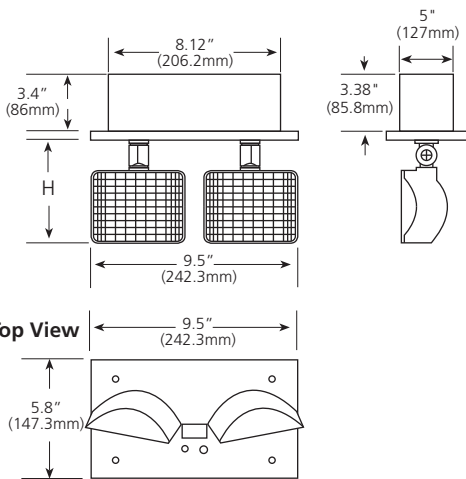
| 1 | 2 | 3 |
|-----------------------|--|---|
| CZA6 | 18L | V |
| SERIES | WATTAGE AND BATTERY | OPTIONS |
| CZA6 Cortez A6 | 18L 18W, lead calcium, (2) HS9 lamp heads 25L 25W, lead calcium, (2) WTS lamp heads 28N 28W, nickel cadmium, (2) HS9 lamp heads 50L 50W, lead calcium, (2) HT9 lamp heads 75L 75W, lead calcium, (2) HT9 lamp heads | V1 Voltmeter † Not available with "28N" |

CZA6 | Cortez A6



Weight:
 18W lead calcium: 2.3 kg. (5 lbs.)
 25W lead calcium: 2.7 kg. (6 lbs.)
 28W nickel cadmium: 2.7 kg. (6 lbs.)
 50W lead calcium: 6.8 kg. (15 lbs.)
 75W lead calcium: 7.7 kg. (17 lbs.)

Energy Performance:
 120 VAC – 0.07 amps, 7.3W
 277 VAC – 0.03 amps, 7.3W



| Lamp Head | Height (H) |
|-----------|-----------------|
| HS9 | 5.0" (127mm) |
| HT9 | 5.0" (127mm) |
| WTS | 6.0" (152.4 mm) |



HOLOPHANE®

NAVIGATOR® SERIES

Life Safety Products

EMERGENCY

NAVIGATOR SERIES

Architectural

Cortez® A6/A12



HPBHK1

4

ACCESSORIES

| | |
|---------------|-----------------------------|
| HPBHK1 | Bar hanger kit |
| HPPVS | Polycarbonate Vandal Shield |

The Cortez A10 is ideal for applications requiring a low profile recessed emergency lighting unit for use in T-bar grid suspended ceilings. Features include 18 gauge steel construction and easy drop-in installation.

NAVIGATOR SERIES Cortez® Z10

CZ10

FEATURES:

- Recessed style emergency lighting unit
- Drop-in installation into T-bar grid ceilings
- 18 gauge steel construction
- White epoxy powder coat painted finish
- 12" x 24" faceplate ceiling pan
- Nickel cadmium or lead calcium batteries
- 120/277 volt AC input
- Surge and brownout protection
- Three year full electronics warranty
- UL 924 listed. Meets or exceeds NFPA 101, NEC, IBC and OSHA illumination and performance standards

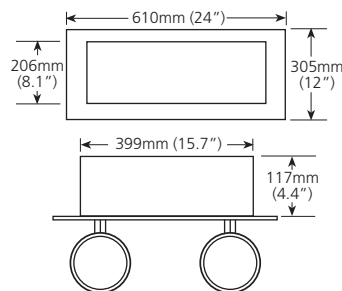


Example: CZ10 CS 14 W WTA 2 V

How to Construct a Catalog Number

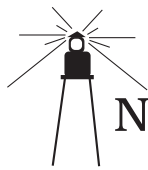
| CZ10 | CS | 14 | W |
|--|---|--|------------------------------|
| 1 | 2 | 3 | 4 |
| SERIES | BATTERY | WATTAGE | COLOR |
| CZ10 Cortez Z10 grid ceiling unit | CS 6 volt, lead calcium CT 12 volt lead calcium NS 6 volt, nickel cadmium NT 12 volt, nickel cadmium | 14 14W ("NS" battery only) 25 25W ("CS" or "NT" battery only) 28 28W ("NS" battery only) 50 50W ("CS", "CT" or "NT" battery only) | W White painted steel |

CZ10 | Cortez Z10



Weight:
 14W nickel cadmium: 9 kg. (20 lbs.)
 25W lead calcium: 9.9 kg. (22 lbs.)
 25W nickel cadmium: 9.9 kg. (22 lbs.)
 28W nickel cadmium: 9.9 kg. (22 lbs.)
 50W lead calcium: 11.7 kg. (26 lbs.)
 50W nickel cadmium: 11.7 kg. (26 lbs.)

Energy Performance:
 14W unit
 120 VAC – 0.08 amps, 10W
 277 VAC – 0.036 amps, 10W
 28W unit
 120 VAC – 0.04 amps, 5.3W
 277 VAC – 0.019 amps, 5.3W
 25 and 50W units
 120 VAC – 0.15 amps, 18W
 277 VAC – 0.06 amps, 18W



HOLOPHANE®
NAVIGATOR® SERIES
 Life Safety Products

EMERGENCY
NAVIGATOR SERIES
 Architectural
Cortez® A10



WTA

2

V

5

6

7

HEAD TYPE

See Head Selection Chart

NUMBER OF HEADS









- 0** No heads on unit
 - 1** 1 head on unit
 - 2** 2 heads on unit
 - 3** 3 heads on unit
 - 4** 4 heads on unit
- Total wattage of heads cannot exceed wattage of unit

OPTIONS (FACTORY INSTALLED)

- A¹** Ammeter, cannot combine with option "V"
- NA** NAV-Check self-diagnostics with visual indicators and audible alarm
- NK** NAV-Check self-diagnostics with visual indicators
- F1** 120 VAC fuse
- F2** 277 VAC fuse
- T1^{1,2}** 120V time delay
- T2^{1,2}** 277V time delay
- V¹** Voltmeter, cannot combine with option "A"

¹ Not available with "NK" or "NA"
² Time delay is factory set at 15 minutes

Head Selection Chart

| Description | Voltage | Wattage | Catalog number White | |
|---|---|---|-------------------------|-----|
| Lexan wedge base rectangular | | | | |
| Tungsten  | 6 | 5.4 | HS6 | |
| | | 7.2 | HS7 | |
| | | 9.0 | HS9 | |
| 12  | 5.4 | HT6 | | |
| | 12.5 | HT12 | | |
| | 18 | HT18 | | |
| | Thermoplastic wedge base round | | | |
| Tungsten  | 6 | 5.4 | WTA | |
| | | 7.2 | WTD | |
| | | 9.0 | WTB | |
| 12  | 9.0 | WTC | | |
| | 12.5 | WTE | | |
| | 18 | WTF | | |
| | Thermoplastic wedge base round | | | |
| Halogen | 6 | 7.0 | WTS | |
| | | 10.0 | WTN | |
| | | 12.0 | WTT | |
| | | 12 | 12.0 | WTV |
| Thermoplastic sealed beam PAR 36 round | | | | |
| Tungsten  | 6 | 8.0 | WY | |
| | | 18.0 | WA | |
| | | 25.0 | WL | |
| | | 12  | 12.0 | WNY |
| | | | 18.0 | WE |
| 25.0 | WK | | | |
| Halogen | 6 | 8.0 | WQ | |
| | | 12.0 | WCHY | |
| | | 12 | 8.0 | WD |
| | 12 | 8.0 | WB | |
| | | 12.0 | | |
| Catalog number Chrome | | | | |
| Steel chrome sealed beam PAR 36 round | | | | |
| Tungsten  | 6 | 8.0 | Y | |
| | | 18.0 | A | |
| | | 25.0 | L | |
| | 12  | 12.0 | NY | |
| | | 18.0 | E | |
| 25.0 | | K | | |
| Halogen | 6 | 8.0 | Q | |
| | | 12.0 | CHY | |
| | | 12 | 8.0 | D |
| | 12 | 8.0 | B | |
| | | 12.0 | | |

Lexan® is a registered trademark of General Electric Co.

Contact your local sales rep for the most current option and accessory compatibility.

The H and HM Series decorative remote lighting fixtures are ideal for areas where individual unit equipment is not desirable. Requires DC power from a centrally located battery pack such as Cortez A1, A4 or DeSoto M80.

NAVIGATOR SERIES H and HM Series

H | HM

FEATURES:

T Style

- Suitable for indoor or outdoor application and finished in matte white
- Rectangular, aluminum construction with water-tight gasketed door

N Style

- Designed for step and walkway lighting
- Low profile rectangular design finished in white matte

P Style

- Aluminum trim with steel back box
- Fresnel lens flush with ceiling

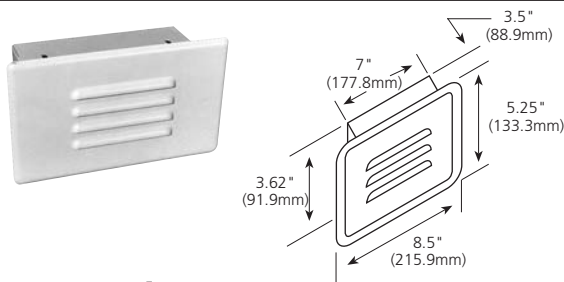


Example: H N 12 R 13 1

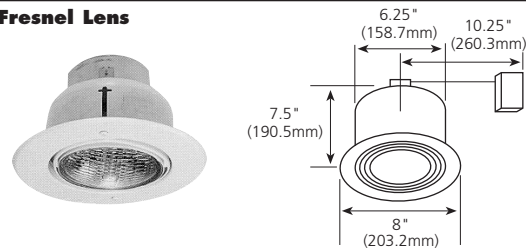
How to Construct a Catalog Number

| H | N | 12 | R |
|---------------------------------------|---|------------------------|---|
| 1 | 2 | 3 | 4 |
| SERIES | STYLE | VOLTAGE | MOUNTING |
| H Decorative remote lighting fixtures | N Recessed step T Recessed square with dropped glass diffuser P Recessed round with Fresnel lens V Surface or recessed mount with frosted glass X Recessed adjustable eye-ball floodlight | 6 6 volt 12 12 volt | R Recessed S1 Surface 1 "HV" only |

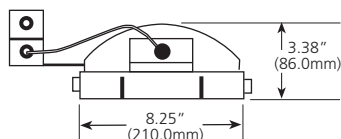
N | Recessed Step



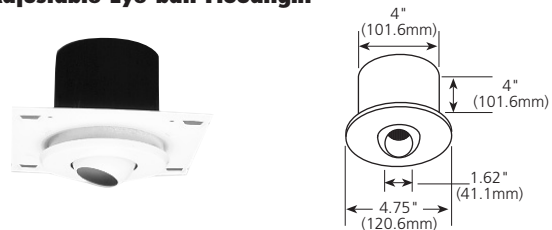
P | Recessed Round Fresnel Lens



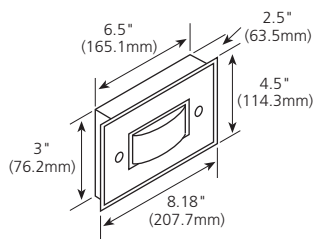
T | Recessed Square Dropped Glass Diffuser



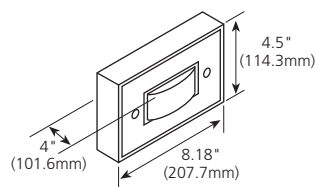
X | Recessed Adjustable Eye-ball Floodlight



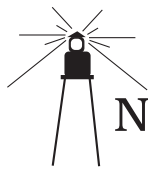
V | Surface or Recessed Mount Frosted Glass



V (Recessed) Style



V (Surface) Style



HOLOPHANE®
NAVIGATOR® SERIES
 Life Safety Products

V Style

- Available in surface or recessed mounting
- Constructed of steel enclosure with frosted glass lens

X Style

- Miniature adjustable eye-ball flood light
- Steel back box with aluminum trim

HM-Round Gimbal

- Surface or recessed mounting
- Sealed beam lamps

EMERGENCY
NAVIGATOR SERIES
 Architectural
H Series



N – Recessed Step



V – Surface or Recessed Mount



P – Recessed Round



X – Recessed Eyeball Mount



HM – Gimbal

13

5

WATTAGE

| | |
|----|----------------|
| 6 | 6W |
| 12 | 12W (6V only) |
| 13 | 13W (12V only) |
| 18 | 18W |
| 44 | 44W |

1

6

NUMBER OF LAMPS

| | |
|---|-----------------------|
| 1 | One lamp |
| 2 | Two lamps ("HV" only) |

Example: HM A R

How to Construct a Catalog Number

HM

1

SERIES

HM Adjustable gimbal

A

2

VOLTAGE AND WATTAGE

| | |
|-----|--------------------|
| Y | Tungsten, 6V, 9W |
| A | Tungsten, 6V, 18W |
| L | Tungsten, 6V, 25W |
| C | Tungsten, 6V, 30W |
| NY | Tungsten, 12V, 12W |
| E | Tungsten, 12V, 18W |
| K | Tungsten, 12V, 25W |
| G | Tungsten, 12V, 30W |
| Q | Halogen, 6V, 8W |
| CHY | Halogen, 6V, 12W |
| D | Halogen, 12V, 8W |
| B | Halogen, 12V, 12W |

R

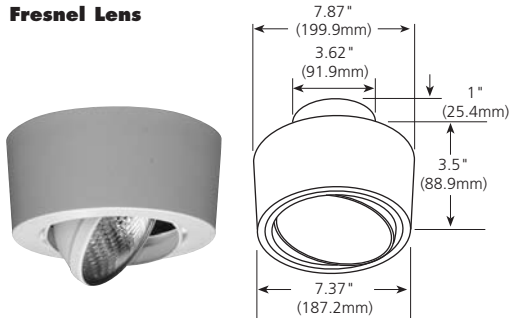
4

MOUNTING

| | |
|---|----------|
| R | Recessed |
| S | Surface |

HM | Surface Round

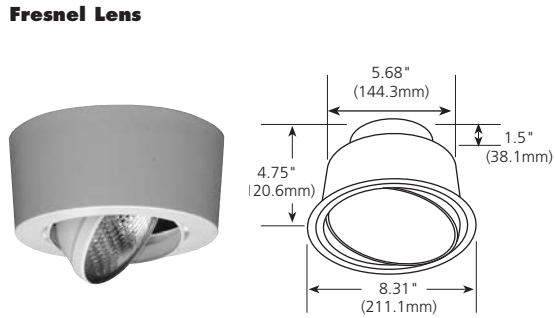
Fresnel Lens



HM Series (surface)

HM | Recessed Round

Fresnel Lens



HM Series (recessed)

Contact your local sales rep for the most current option and accessory compatibility.

The Cortez A1 provides emergency lighting in a wide choice of fully adjustable lamp head types and battery wattage sizes. The attractive soft corner thermoplastic housing design is corrosion proof and impact resistant.

NAVIGATOR SERIES Cortez® A1

C1

FEATURES:

- 14-50 watt capacity
- Choice of three fully adjustable lamp head types
- Lead calcium or nickel cadmium batteries
- Corrosion proof and impact resistant thermoplastic housing
- Soft corner contemporary design
- 120/277 volt AC input
- Surge and brownout protection
- Three year full electronics warranty
- UL 924 listed. Meets or exceeds NFPA 101, NEC, IBC and OSHA illumination and performance standards

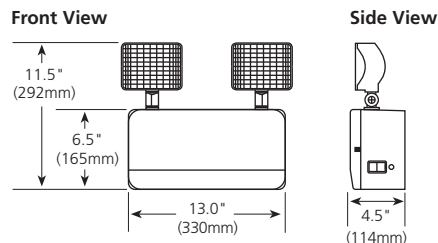


Example: C1 12 50 W WK 2 NK HPWG5

How to Construct a Catalog Number

| C1 | 12 | 50 | W |
|--------------|--|---|----------------|
| 1 | 2 | 3 | 4 |
| SERIES | VOLTAGE AND BATTERY TYPE | WATTAGE | COLOR |
| C1 Cortez A1 | 6 6 volt, lead calcium 12 12 volt, lead calcium 6N 6 volt, nickel cadmium 12N 12 volt, nickel cadmium | 14 14W (6N only) 18 18W (6 or 6N only) 25 25W (6, 6N, 12N only) 36 36W (6 or 12 only) 50 50W | W White |

C1 | Cortez A1

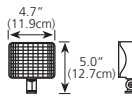
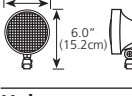
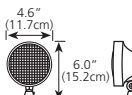


Weight:

| | |
|---------------------|-------------------|
| 14W nickel cadmium: | 3.2 kg. (7 lbs.) |
| 18W lead calcium: | 4.5 kg. (10 lbs.) |
| 18W nickel cadmium: | 3.6 kg. (8 lbs.) |
| 25W lead calcium: | 4.5 kg. (10 lbs.) |
| 25W nickel cadmium: | 4.1 kg. (9 lbs.) |
| 36W lead calcium: | 8.2 kg. (18 lbs.) |
| 50W lead calcium: | 8.6 kg. (19 lbs.) |
| 50W nickel cadmium: | 4.5 kg. (10 lbs.) |

Energy Performance:
 120 VAC – 0.18 amps, 20W
 277 VAC – 0.08 amps, 20W

Head Selection Chart

| Description | Voltage | Wattage | Catalog number White |
|---|----------------|----------|----------------------|
| Wedge base rectangular | | | |
| Tungsten  | 6 | 5.4 watt | HS6 |
| | | 7.2 watt | HS7 |
| | | 9 watt | HS9 |
| 12 | 9 watt | HT9 | |
| | 12.5 watt | HT12 | |
| | 18 watt | HT18 | |
| Thermoplastic wedge base round | | | |
| Tungsten  | 6 | 5.4 watt | WTA |
| | | 7.2 watt | WTD |
| | | 9 watt | WTB |
| 12 | 9 watt | WTC | |
| | 12.5 watt | WTE | |
| | 18 watt | WTF | |
| Halogen | 6 | 7 watt | WTS |
| | | 10 watt | WTN |
| | | 12 watt | WTT |
| 12 | 12 watt | WTV | |
| Thermoplastic sealed beam PAR 36 | | | |
| Tungsten  | 6 | 8 watt | WY |
| | | 18 watt | WA |
| | | 25 watt | WL |
| | | 30 watt | WC |
| 12 | 12 watt | WNY | |
| | 18 watt | WE | |
| | 25 watt | WK | |
| | 30 watt | WG | |
| | Halogen | 6 | 8 watt |
| 12 watt | | | WCHY |
| 12 | 8 watt | WD | |
| | 12 watt | WB | |



| WK 5 | 2 6 | NK 7 | HPWG5 8 |
|--|--|-----------------------------|---------------------------------|
| HEAD TYPE See Head Selection Chart | NUMBER OF HEADS 0 No heads 1 1 head 2 2 heads 3 3 heads Total wattage of heads cannot exceed wattage of unit | OPTIONS See below | ACCESSORIES See below |

7 Options (Factory installed)

| | |
|-----------------------|---|
| A | Ammeter (Not available with "NA" or "NK" or combined with "V") |
| A1 | 120V AC power switch |
| A2 | 277V AC power switch |
| DP | DC disconnect switch |
| F1 | 120V AC fuse |
| F2 | 277V AC fuse |
| NA | NAV-Check self diagnostics with audible alarm and visual indicators |
| NK | NAV-Check self diagnostics with visual indicators only |
| T1¹ | 120V time delay |
| T2¹ | 277V time delay |
| V | Voltmeter (Not available with "NA" or "NK") |
| X1² | 200V 50/60 Hz transformer |
| X2² | 220V 50/60 Hz transformer |
| X3² | 240V 50/60 Hz transformer |

¹ Time delay is factory set at 15 minutes

² Consult factory for lead time

8 Accessories (Ships separately)

| | |
|-------------------|-----------------------------|
| PVS | Polycarbonate vandal shield |
| HPMSSHELFW | White mounting shelf |
| HPWG5 | Wire guard |
| LC | Line cord |

HOLOPHANE®

The Cortez A4 provides emergency lighting in a wide choice of fully adjustable lamp head types and battery wattage sizes. The clean styled housing is constructed of 20 gauge (18-100W) or 18 gauge (125-250W) steel with a white corrosion-resistant epoxy powder coat finish.

NAVIGATOR SERIES Cortez® A4

C4

FEATURES:

- 18-250 watt capacity
- Choice of four fully adjustable lamp head types
- Nickel cadmium or lead calcium batteries
- 20 gauge steel construction for 18 watt up to 100 watt size units
- 18 gauge steel construction for 125 watt up to 250 watt size units
- 120/277 volt AC input
- Surge and brownout protection
- Three year full electronics warranty
- UL 924 listed. Meets or exceeds NFPA 101, NEC, IBC and OSHA illumination and performance standards

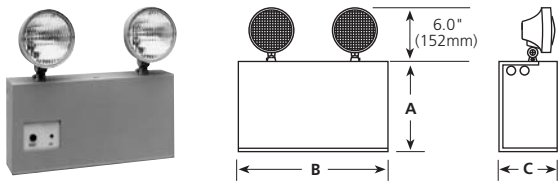


Example: C4 C 125 W WC 2 NA HPWG

How to Construct a Catalog Number

| C4 | C | 125 | W | WC | 2 |
|--------------|--|---|---------|--------------------------|--|
| 1 | 2 | 3 | 4 | 5 | 6 |
| SERIES | VOLTAGE AND BATTERY TYPE | WATTAGE | COLOR | HEAD TYPE | NUMBER OF HEADS |
| C4 Cortez A4 | C 6 volt, lead calcium CT 12 volt, lead calcium N 6 volt, nickel cadmium NT 12 volt, nickel cadmium | 18 18W ("C" only) 25 25W ("C", "N" or "NT" only) 36 36W ("C" or "CT" only) 50 50W 75 75W ("C" and "NT" only) 100 100W ("C", "CT" or "NT" only) 125 125W ("NT" only) 150 150W ("CT" or "NT" only) 250 250W ("CT" only) | W White | See Head Selection Chart | 0 No heads 1 1 head 2 2 heads 3 3 heads Total wattage of heads cannot exceed wattage of unit |

C4 | Cortez A4



| | A | B | C |
|--------------|--------|--------|--------|
| 18-50 watt | 7.3" | 14.0" | 3.0" |
| | 18.5cm | 35.6cm | 7.6cm |
| 75-100 watt | 8.8" | 12.5" | 5.4" |
| | 22.4cm | 31.8cm | 13.7cm |
| 125-250 watt | 12.0" | 16.0" | 7.6" |
| | 30.5cm | 40.6cm | 19.4cm |

Weight:

| | |
|---------------------|-------------------|
| 18W lead calcium: | 4.5 kg. (10 lbs.) |
| 25W lead calcium: | 5.9 kg. (13 lbs.) |
| 25W nickel cadmium: | 4.1 kg. (9 lbs.) |
| 36W lead calcium: | 6.4 kg. (14 lbs.) |
| 50W lead calcium: | 7.7 kg. (17 lbs.) |
| 50W nickel cadmium: | 4.5 kg. (10 lbs.) |

75W lead calcium:

| | |
|----------------------|--------------------|
| 9.1 kg. (20 lbs.) | |
| 100W lead calcium: | 11.3 kg. (25 lbs.) |
| 100W nickel cadmium: | 13.2 kg. (29 lbs.) |
| 125W nickel cadmium: | 13.2 kg. (29 lbs.) |
| 150W lead calcium: | 20.4 kg. (45 lbs.) |
| 150W nickel cadmium: | 13.4 kg. (30 lbs.) |
| 250W lead calcium: | 28.1 kg. (62 lbs.) |

Energy Performance:

| |
|---------------------------|
| 18 - 100W units |
| 120 VAC - 0.18 amps, 18W |
| 277 VAC - 0.007 amps, 18W |
| 125 - 250W units |
| 120 VAC - 0.58 amps, 60W |
| 277 VAC - 0.25 amps, 60W |

7 Options (Factory installed)

| | |
|-----------------|---|
| A | Ammeter (Not available with "NA", "NK" or "V") |
| A1 | 120V AC power switch |
| A2 | 277V AC power switch |
| DP | DC disconnect switch |
| F1 | 120V AC fuse |
| F2 | 277V AC fuse |
| NA | NAV-Check self diagnostics with audible alarm and visual indicators (Not available with "A", "V", "T1" or "T2") |
| NK | NAV-Check self diagnostics with visual indicators only (Not available with "A", "V", "T1" or "T2") |
| T1 ¹ | 120V time delay |
| T2 ¹ | 277V time delay |
| V | Voltmeter (Not available with "A") |
| X1 ² | 200V 50 Hz transformer |
| X2 ² | 220V 50 Hz transformer |
| X3 ² | 240V 50 Hz transformer |
| X4 | 220V 60 Hz transformer |

1 Time delay is factory set at 15 minutes

2 Consult factory for lead time

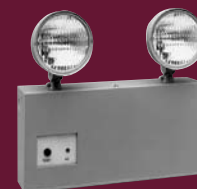
8 Accessories (Ships separately)

| | |
|------------|--|
| PVS | Polycarbonate vandal shield |
| HPMJSHELFW | White mounting shelf for 75 and 100W |
| HPMLSHELFW | White mounting shelf for 18, 25, 36, 50W |
| HPMXSHELFW | White mounting shelf 125, 150, 250W |
| HPWG | Wire guard for 125, 150, 250W |
| HPWGS | Wire guard for 18, 25, 36, 50, 100W |
| LC | Line cord (ships unattached) |



HOLOPHANE®
NAVIGATOR® SERIES
 Life Safety Products

EMERGENCY
NAVIGATOR SERIES
 Commercial/Industrial
Cortez® A4



NA

HPWG

7

8

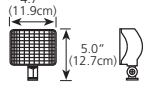
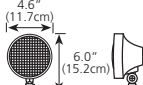
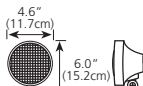
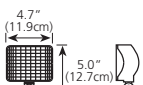
OPTIONS

ACCESSORIES

See page 232

See page 232

Head Selection Chart

| Description | Voltage | Wattage | Catalog number | | |
|--|-----------|---------------------|----------------|--------|--|
| | | | White | Chrome | |
| Wedge base rectangular | | | | | |
| Tungsten  | 6 | 5.4 watt | HS6 | | |
| | | 7.2 watt | HS7 | | |
| | | 9 watt | HS9 | | |
| 12 | 12 | 9 watt | HT9 | | |
| | | 12.5 watt | HT12 | | |
| | | 18 watt | HT18 | | |
| | | | | | |
| Thermoplastic wedge base round | | | | | |
| Tungsten  | 6 | 5.4 watt | WTA | | |
| | | 7.2 watt | WTD | | |
| | | 9 watt | WTB | | |
| 12 | 12 | 9 watt | WTC | | |
| | | 12.5 watt | WTE | | |
| | | 18 watt | WTF | | |
| | | | | | |
| Halogen | 6 | 7 watt | WTS | | |
| | | 10 watt | WTN | | |
| | | 12 watt | WTT | | |
| | | 12 | 12 watt | WTV | |
| | | | | | |
| Thermoplastic sealed beam PAR 36 | | | | | |
| Tungsten  | 6 | 8 watt | WY | | |
| | | 18 watt | WA | | |
| | | 25 watt | WL | | |
| | | 30 watt | WC | | |
| 12 | 12 | 12 watt | WNY | | |
| | | 18 watt | WE | | |
| | | 25 watt | WK | | |
| | | 30 watt | WG | | |
| | | 35 watt (80° x 30°) | WF | | |
| | | 35 watt (75° cone) | WH | | |
| | | | | | |
| Halogen | 6 | 8 watt | WQ | | |
| | | 12 watt | WCHY | | |
| | | 12 | 8 watt | WD | |
| | | 12 watt | WB | | |
| Steel chrome sealed beam PAR 36 | | | | | |
| Tungsten  | 6 | 8 watt | Y | | |
| | | 18 watt | A | | |
| | | 25 watt | L | | |
| | | 30 watt | C | | |
| 12 | 12 | 12 watt | NY | | |
| | | 18 watt | E | | |
| | | 25 watt | K | | |
| | | 30 watt | G | | |
| | | 35 watt (80° x 30°) | F | | |
| | | 35 watt (75° cone) | H | | |
| | | | | | |
| Halogen | 6 | 8 watt | Q | | |
| | | 12 watt | CHY | | |
| | | 12 | 8 watt | D | |
| | | 12 watt | B | | |

Contact your local sales rep for the most current option and accessory compatibility.

HOLOPHANE®

The DeSoto M80 provides emergency lighting in a variety of wattages up to 450 watts. The DeSoto M80 is well suited for applications that require a high capacity emergency lighting unit with multiple remote fixture capability.

NAVIGATOR SERIES DeSoto® M80 DM8

FEATURES:

- 75 to 450 watt capacity
- Wet cell lead calcium batteries
- Suitable for remote loads
- 18 gauge steel construction
- Beige epoxy powder coat finish
- 120/277 volt AC input
- Surge and brownout protection
- Three year full electronics warranty
- UL 924 listed. Meets or exceeds NFPA 101, NEC, IBC and OSHA illumination and performance standards



Example: DM8 S 10 WC 2 A HPWG

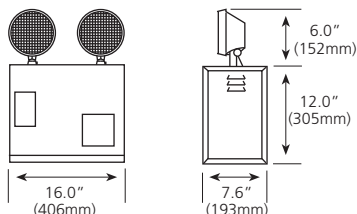
How to Construct a Catalog Number

| DM8 | S | 10 | WC | 2 |
|----------------|--------------------------|--|--------------------------|--|
| 1 | 2 | 3 | 4 | 5 |
| SERIES | VOLTAGE AND BATTERY TYPE | WATTAGE | HEAD TYPE | NUMBER OF HEADS |
| DM8 DeSoto M80 | T 12 volt, lead calcium | 15 150W 20 200W 30 300W 45 450W | See Head Selection Chart | 0 No heads 1 1 head 2 2 heads 3 3 heads |

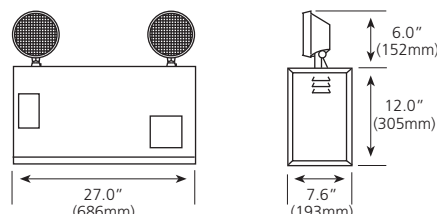
DM8 | DeSoto M80



150 to 200 Watt Units



300 to 450 Watt Units



Weight:

| | |
|------|--------------------|
| 150W | 26.3 kg. (58 lbs.) |
| 200W | 26.3 kg. (58 lbs.) |
| 300W | 43.9 kg. (97 lbs.) |
| 450W | 43.9 kg. (97 lbs.) |

Energy Performance:

| |
|--------------------------|
| 120 VAC – 0.66 amps, 80W |
| 277 VAC – 0.30 amps, 80W |

6 Options (Factory installed)

| | |
|----|---|
| A | Ammeter |
| F1 | 120V AC fuse |
| F2 | 277V AC fuse |
| A1 | 120V AC power switch |
| A2 | 277V AC power switch |
| DP | DC power ON/OFF switch |
| NA | NAV-Check self diagnostics with audible alarm and visual indicators |
| NK | NAV-Check self diagnostics with visual indicators |
| T1 | 120V time delay |
| T2 | 277V time delay |
| V | Voltmeter (Standard on 12V units, must be specified) |
| X1 | 200V 50/60 Hz transformer |
| X2 | 220V 50/60 Hz transformer |
| X3 | 240V 50/60 Hz transformer |

7 Accessories (Ships separately)

| | |
|-----------|---------------------------------|
| HPLMSHELF | Mounting shelf (300, 450W) |
| HPMXSHELF | Mounting shelf (225W and below) |
| HPWG | Wire guard (225W and below) |
| LC | 120V 2.7mm (6') AC line cord |



HOLOPHANE®

NAVIGATOR® SERIES

Life Safety Products

EMERGENCY

NAVIGATOR SERIES

Commercial/Industrial

DeSoto® M80



A

HPWG

6

7

OPTIONS

ACCESSORIES

See page 234

See page 234

Head Selection Chart

| Description | Voltage | Wattage | Lamp Type Tan |
|---|-----------|--|-----------------------|
| Thermoplastic wedge base round | | | |
| Tungsten | 12 | 9 watt 12.5 watt 18 watt | DTC DTE DTF |
| | | | |
| Halogen | 12 | 12 watt | DTV |
| Thermoplastic sealed beam PAR 36 | | | |
| Tungsten | 12 | 12 watt 18 watt 25 watt 30 watt | DNY DE DK DG |
| | | | |
| Halogen | 12 | 8 watt 12 watt | DD DB |
| Description | Voltage | Wattage | Lamp Type Chrome |
| Steel chrome sealed beam PAR 36 | | | |
| Tungsten | 12 | 12 watt 18 watt 25 watt 30 watt | NY E K G |
| | | | |
| Halogen | 12 | 8 watt 12 watt | D B |

HOLOPHANE®

The DeSoto M40 housing is rated for NEMA 3, 3R, 4, 4X, 12 & 13 environments. UL damp or wet location listing are also available.

NAVIGATOR SERIES DeSoto® M40

DM4

FEATURES:

- 14-25 watt capacity
- Nickel cadmium or lead calcium batteries
- Compression molded fiberglass reinforced gray polyester housing
- Housing rated for NEMA 3, 3R, 4, 4X, 12 & 13 environments
- Corrosion and impact resistant
- One piece formed in place urethane gasket
- 120/277 volt AC input
- Three year full electronics warranty
- UL 924 listed. Meets or exceeds NFPA 101, NEC, IBC, BOCA and OSHA illumination and performance standards

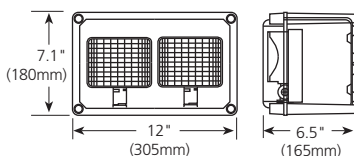


Example: DM4 N 14 S HS6 2 DL PVS

How to Construct a Catalog Number

| DM4 | N | 14 | S | HS6 |
|----------------|------------------------------------|---------------------------------------|-----------------|--|
| 1 | 2 | 3 | 4 | 5 |
| SERIES | BATTERY TYPE | BATTERY WATTAGE | BATTERY VOLTAGE | HEAD TYPE |
| DM4 DeSoto M40 | C Lead calcium N Nickel cadmium | 14 14W ("N" only) 18 18W 25 25W | S 6 volt | HS6 5.4W, 6 volt HS7 7.2W, 6 volt HS9 9W, 6 volt See Head Selection Chart |

DM4 | DeSoto M40



Weight:

| | |
|---------------------|-------------------|
| 14W nickel cadmium: | 4.0 kg. (9 lbs.) |
| 18W lead calcium: | 4.5 kg. (10 lbs.) |
| 18W nickel cadmium: | 4.5 kg. (10 lbs.) |
| 25W lead calcium: | 5.9 kg. (13 lbs.) |
| 25W nickel cadmium: | 5.9 kg. (13 lbs.) |

Energy Performance:

| |
|--------------------------|
| 120 VAC – 0.15 amps, 18W |
| 277 VAC – 0.07 amps, 18W |



HOLOPHANE®
NAVIGATOR® SERIES
 Life Safety Products

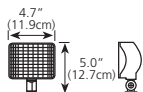
EMERGENCY
NAVIGATOR SERIES
 NEMA/Hazardous
 DeSoto® M40



| 2 6 | DL 7 | PVS 8 |
|------------------------|--|--|
| NUMBER OF HEADS | OPTIONS (FACTORY INSTALLED) | ACCESSORIES (SHIPS SEPARATELY) |
| 1 1 head 2 2 heads | DL Damp location listing TP Tamperproof screws WL Wet location listing | HP916-1-377 External mounting feet HPNTPTOOL Tamper proof screw driver HPWG5 Wire guard PVS Polycarbonate vandal shield |

Head Selection Chart

| Description | Voltage | Wattage | Catalog number White |
|--------------------------------------|----------|-------------------|-------------------------|
| Lexan® wedge base rectangular | | | |
| Tungsten | 6 | 5.4 7.2 9.0 | HS6 HS7 HS9 |



Lexan® is a registered trademark of General Electric Co.

HOLOPHANE®

NAVIGATOR SERIES DeSoto® M50

DM5

The DeSoto M50 housing is rated for NEMA 3, 3R, 4, 4X, 12 and 13 environments. UL damp and wet location listings are also available.

FEATURES:

- 14-50 watt capacity
- Nickel cadmium or lead calcium batteries
- Compression molded fiberglass reinforced gray polyester housing
- Housing rated for NEMA 3, 3R, 4, 4X, 12 & 13 environments
- Corrosion and impact resistant
- One piece formed in place urethane gasket
- 120/277 volt AC input
- Three year full electronics warranty
- UL 924 listed. Meets or exceeds NFPA 101, NEC, BOCA, IBC and OSHA illumination and performance standards

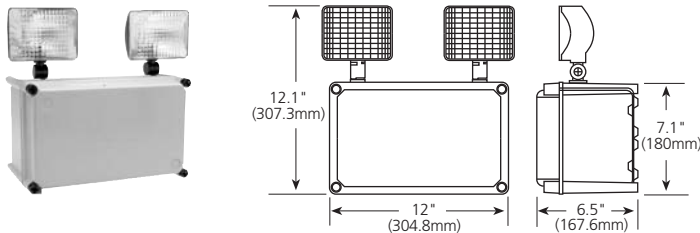


Example: DM5 N 14 S HS7 2 DL PVS

How to Construct a Catalog Number

| DM5 | N | 14 | S | HS7 |
|----------------|------------------------------------|---|-----------------------|--------------------------|
| 1 | 2 | 3 | 4 | 5 |
| SERIES | BATTERY TYPE | BATTERY WATTAGE | BATTERY VOLTAGE | HEAD TYPE |
| DM5 DeSoto M50 | C Lead calcium N Nickel cadmium | 14 14W ("6V" and "N" only) 18 18W ("6V" only) 25 25W ("6V" only) 36 36W ("C" only) 50 50W | S 6 volt T 12 volt | See Head Selection Chart |

DM5 | DeSoto M50

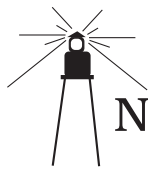


Weight:

| | |
|---------------------|-------------------|
| 14W nickel cadmium: | 4.0 kg. (9 lbs.) |
| 18W lead calcium: | 4.5 kg. (10 lbs.) |
| 18W nickel cadmium: | 4.5 kg. (10 lbs.) |
| 25W lead calcium: | 5.9 kg. (13 lbs.) |
| 25W nickel cadmium: | 4.5 kg. (10 lbs.) |
| 36W lead calcium: | 8.2 kg. (18 lbs.) |
| 50W lead calcium: | 8.6 kg. (19 lbs.) |
| 50W nickel cadmium: | 5.4 kg. (10 lbs.) |

Energy Performance:

| |
|--------------------------|
| 120 VAC – 0.15 amps, 18W |
| 277 VAC – 0.07 amps, 18W |



HOLOPHANE®
NAVIGATOR® SERIES
 Life Safety Products

EMERGENCY
NAVIGATOR SERIES
 NEMA/Hazardous
 DeSoto® M50



Lexan Wedge Base Rectangular



Lexan PAR 36 Sealed Beam Round

2

6

NUMBER OF HEADS

- 0 No heads
- 1 1 head
- 2 2 heads

DL

7

OPTIONS

- DL** Damp location listing
- TP** Tamperproof screws
- WL** Wet location listing
- X1** 200 volt 50/60 Hz transformer
- X2** 220 volt 50/60 Hz transformer
- X3** 240 volt 50/60 Hz transformer
- T1¹** 120 VAC time delay
- T2¹** 277 VAC time delay

¹ Time delay is factory set at 15 minutes

PVS

8

ACCESSORIES (SHIPS SEPARATELY)

- HP916-1-377** External mounting feet
- HPNPTOOL** Tamperproof screwdriver
- HPWG5** Wire Guard
- PVS** Polycarbonate vandal shield

Head Selection Chart

| Description | Voltage | Wattage | Catalog number | | | |
|--|----------|-----------|-----------------|-----------------|-------|--|
| | | | White | Black | | |
| Lexan® wedge base rectangular | | | | | | |
| Tungsten | 6 | 5.4 | HS6 | HS6B | | |
| | | 7.2 | HS7 | HS7B | | |
| | | 9.0 | HS9 | HS9B | | |
| | | 12 | 9.0 | HT9 | HT9B | |
| | | | 12.5 | HT12 | HT12B | |
| 18.0 | HT18 | HT18B | | | | |
| Lexan® sealed beam PAR 36 round | | | | | | |
| Tungsten | 6 | 8.0 | NM ¹ | | | |
| | | 18.0 | NN ¹ | | | |
| | | 25.0 | NO ¹ | | | |
| | | 30.0 | NP ¹ | | | |
| | | 12 | 12.0 | NQ ¹ | | |
| | | | 18.0 | NR ¹ | | |
| | | | 25.0 | NS ¹ | | |
| | | | 30.0 | NT ¹ | | |
| | | | 6 | 8.0 | NU | |
| | | | | 12.0 | NV | |
| 12 | 8.0 | NW | | | | |
| | 12.0 | NX | | | | |

¹ Add SH suffix to Lexan PAR36 sealed beam round heads for shatterproof lamp shield

Lexan® is a registered trademark of General Electric Co.

HOLOPHANE®

The DeSoto M60 is ideal for applications requiring enclosed and gasketed emergency lighting units. The housing is rated for NEMA 3, 4X and 12 environments.

NAVIGATOR SERIES DeSoto® M60

DM6

FEATURES:

- 25-180 watt capacity
- Nickel cadmium, lead calcium or pure lead batteries
- Compression molded fiberglass reinforced gray polyester housing
- Housing rated for NEMA 3, 4X & 12 environments
- Corrosion and impact resistant
- View window for AC indicator lamp, optional meters, or optional NAV-Check self-diagnostics
- 120/277 volt AC input
- Three year full electronics warranty
- UL 924 listed. Meets or exceeds NFPA 101, NEC, BOCA, IBC and OSHA illumination and performance standards



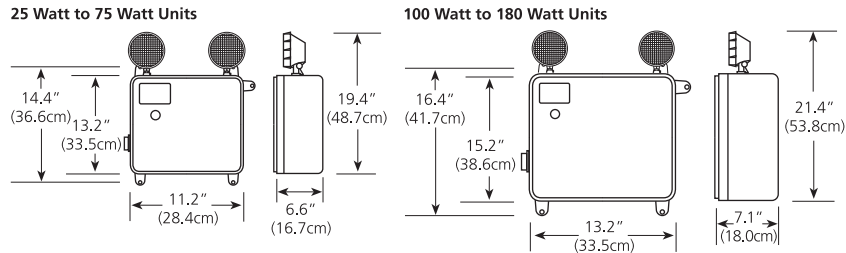
Example: DM6 C 50 T NS 2 SH V HPWG5

How to Construct a Catalog Number

| DM6 | C | 50 | T | NS |
|----------------|--|---|---|--------------------------|
| 1 | 2 | 3 | 4 | 5 |
| SERIES | BATTERY TYPE | BATTERY WATTAGE | BATTERY VOLTAGE | HEAD TYPE |
| DM6 DeSoto M60 | C Lead calcium N Nickel cadmium L Pure lead | 25 ¹ 25W 28 ² 28W 50 ³ 50W 70 70W 75 ² 75W 100 ⁴ 100W 120 ⁵ 120W 125 ⁶ 125W 150 ⁶ 150W 180 ⁷ 180W | S 6 volt (NA with pure lead) T 12 volt | See Head Selection Chart |

- Nickel cadmium, 6 volt only
- Lead calcium, 6 volt only
- NA with pure lead
- Lead calcium, 6 and 12 volt and nickel cadmium, 12 volt only
- Pure lead only
- Lead calcium and nickel cadmium, 12 volt only
- Lead calcium, 12 volt only

DM6 | DeSoto M60



Weight:

| | |
|--------------------------|--------------------|
| 25 Watt nickel cadmium: | 6.8 kg. (15 lbs.) |
| 28 Watt lead calcium: | 7.7 kg. (17 lbs.) |
| 50 Watt lead calcium: | 8.1 kg. (18 lbs.) |
| 50 Watt nickel cadmium: | 7.7 kg. (17 lbs.) |
| 70 Watt nickel cadmium: | 9.1 kg. (20 lbs.) |
| 75 Watt lead calcium: | 10.8 kg. (24 lbs.) |
| 100 Watt lead calcium: | 13.1 kg. (29 lbs.) |
| 100 Watt nickel cadmium: | 9.9 kg. (22 lbs.) |
| 120 Watt pure lead: | 13.6 kg. (30 lbs.) |
| 125 Watt lead calcium: | 14.5 kg. (32 lbs.) |
| 125 Watt nickel cadmium: | 10.8 kg. (24 lbs.) |
| 150 Watt lead calcium: | 15.4 kg. (34 lbs.) |
| 150 Watt nickel cadmium: | 11.7 kg. (26 lbs.) |
| 180 Watt lead calcium: | 16.3 kg. (36 lbs.) |

Energy Performance:

| | |
|---------|---------------------------|
| 120 VAC | - 0.42 amps (max.), 50.4W |
| 277 VAC | - 0.20 amps, 50.4W |

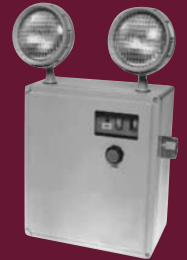


HOLOPHANE®

NAVIGATOR® SERIES

Life Safety Products

EMERGENCY
NAVIGATOR SERIES
 NEMA/Hazardous
 DeSoto® M60



2

V

HPWG5

6

7

8

NUMBER OF HEADS

- 0** No heads
- 1** 1 head
- 2** 2 heads
- 3** 3 heads

OPTIONS (FACTORY INSTALLED)

- A** Ammeter (NA with "NA", "NK")
- A1** 120V AC power switch
- A2** 277V AC power switch
- DP** DC power switch
- F1** 120V AC fuse
- F2** 277V AC fuse
- H1** 120V AC heater
- H2** 277V AC heater
- NA** NAV-Check self diagnostic with audible alarm and visual indicators
- NK** NAV-Check self diagnostic with visual indicators only
- SH** Shatterproof lamp shield
- T1** 120V AC time delay
- T2** 277V AC time delay
- V** Voltmeter (NA with "NA", "NK")
- X1** 200 Volt 50 Hz transformer
- X2** 220 Volt 50 Hz transformer
- X3** 240 Volt 50 Hz transformer
- X4** 480 Volt 50 Hz transformer
- XT** 220 Volt 60 Hz transformer

ACCESSORIES (SHIPS SEPARATELY)

- LC** 6' line cord (ships unattached)
- HPWG5** Wire guard (25-75W)
- HPWG** Wire guard (100-180W)
- HPURT126N¹** Universal remote text kit with NEMA 4X enclosure

¹ Not available with "NA", "NK", "T1" or "T2"

Head Selection Chart

| Description | Voltage | Wattage | Catalog number Gray NEMA rated |
|--|-----------------|-----------|-----------------------------------|
| Lexan® sealed beam PAR 36 round | | | |
| | 6 | 8.0 | NM ¹ |
| | | 18.0 | NN ¹ |
| | | 25.0 | NO ¹ |
| | | 30.0 | NP ¹ |
| | | 12 | 12.0 |
| 18.0 | NR ¹ | | |
| 25.0 | NS ¹ | | |
| 30.0 | NT ¹ | | |
| Halogen | 6 | | 6.0 |
| | | 8.0 | NU ¹ |
| | | 12.0 | NV ¹ |
| | 12 | 8.0 | NW ¹ |
| | | 12.0 | NX ¹ |

¹ Add SH suffix to Lexan PAR 36 sealed beam round heads for shatterproof lamp shield. Combined wattage of head can not exceed wattage of unit refer to selection in Step 3 for wattage of unit

Lexan® is a registered trademark of General Electric Co.

Contact your local sales rep for the most current option and accessory compatibility.

HOLOPHANE®

The DeSoto M70 is ideal for use in hazardous locations where explosive materials may be present. The DeSoto M70 is suitable for use in Class I, Division 2, Groups A, B, C, and D, Zone 2, Groups IIA, IIB+H₂ and IIC. Nickel Cadmium battery units are additionally suitable for use in Class II, Division 2, Groups F and G applications.

NAVIGATOR SERIES DeSoto® M70 DM7

FEATURES:

- 25-125 watt capacity
- Nickel cadmium or lead calcium batteries
- Compression molded fiberglass reinforced gray polyester housing
- Housing rated for NEMA 3, 4X, & 12; Class I Division 2 Groups A, B, C, D, Zone 2, Groups IIA, IIB + H₂ and IIC; Class II Division 2 Groups, F, G
- 120/277 volt AC input
- Three year full electronics warranty
- UL 924 listed. Meets or exceeds NFPA 101, NEC, BOCA, IBC and OSHA illumination and performance standards



Example: DM7 C 50 S NC 1 V HPWG5

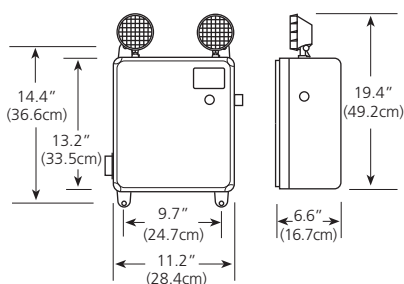
How to Construct a Catalog Number

| DM7 | C | 50 | S | NC |
|----------------|------------------------------------|---|-----------------------|--------------------------|
| 1 | 2 | 3 | 4 | 5 |
| SERIES | BATTERY TYPE | BATTERY WATTAGE | BATTERY VOLTAGE | HEAD TYPE |
| DM7 DeSoto M70 | C Lead calcium N Nickel cadmium | 25 ¹ 25W 50 ¹ 50W 75 ² 75W 100 ³ 100W 125 ³ 125W 1 NA with pure lead 2 Nickel cadmium, 12 volt only 3 Lead calcium, 6 volt or nickel cadmium 12 volt only | S 6 volt T 12 volt | See Head Selection Chart |

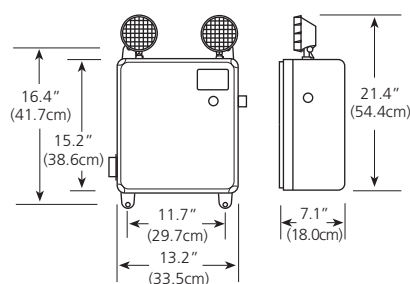
DM7 | DeSoto M70



25 Watt to 75 Watt Units



100 Watt to 125 Watt Units

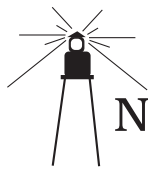


Weight:

| | |
|----------------------|--------------------|
| 25W lead calcium | 8.2 kg. (18 lbs.) |
| 25W nickel cadmium: | 7.3 kg. (16 lbs.) |
| 50W lead calcium: | 13.1 kg. (29 lbs.) |
| 50W nickel cadmium: | 8.2 kg. (18 lbs.) |
| 75W nickel cadmium: | 9.9 kg. (22 lbs.) |
| 100W lead calcium: | 13.1 kg. (29 lbs.) |
| 100W nickel cadmium: | 13.1 kg. (29 lbs.) |
| 125W lead calcium: | 13.1 kg. (29 lbs.) |
| 125W nickel cadmium: | 13.1 kg. (29 lbs.) |

Energy Performance:

| |
|----------------------------|
| 120 VAC – 0.34 amps (max.) |
| 277 VAC – 0.13 amps (max.) |

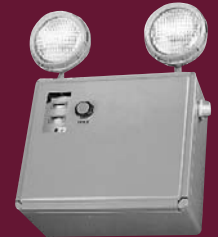


HOLOPHANE®

NAVIGATOR® SERIES

Life Safety Products

EMERGENCY
NAVIGATOR SERIES
 NEMA/Hazardous
 DeSoto® M70



**1
6**

| NUMBER OF HEADS | |
|-----------------|----------|
| 0 | No heads |
| 1 | 1 head |
| 2 | 2 heads |
| 3 | 3 heads |

**V
7**

| OPTIONS (FACTORY INSTALLED) | |
|-----------------------------|--|
| A | Ammeter |
| NA | NAV-Check self diagnostic with audible alarm and visual indicators |
| NK | NAV-Check self diagnostic with visual indicators only |
| SH | Shatterproof lamp shield |
| T1 | 120V AC time delay |
| T2 | 277V AC time delay |
| V | Voltmeter (NA with "A", "NA", "NK") |
| X1 | 200 Volt 50/60 Hz transformer |
| X2 | 220 Volt 50/60 Hz transformer |
| X3 | 240 Volt 50/60 Hz transformer |

**HPWG5
8**

| ACCESSORIES (SHIPS SEPARATELY) | |
|--------------------------------|-----------------------|
| WG5 | Wire guard (25–75W) |
| WG | Wire guard (100–120W) |

Head Selection Chart

| Description | Voltage | Wattage | Catalog number Class I, Div. 2 |
|--|-----------|-----------------|-----------------------------------|
| Lexan® sealed beam PAR 36 round | | | |
| | 6 | 8.0 | NA ¹ |
| | | 18.0 | NB ¹ |
| | | 25.0 | NC ¹ |
| | | 30.0 | ND ¹ |
| | 12 | 12.0 | NE ¹ |
| | | 18.0 | NF ¹ |
| 25.0 | | NG ¹ | |
| 30.0 | | NH ¹ | |
| Halogen | 6 | 6.0 | NZ ¹ |
| | | 8.0 | NI ¹ |
| | | 12.0 | NJ ¹ |
| | 12 | 8.0 | NK ¹ |
| | | 12.0 | NL ¹ |

¹ Add SH suffix to Lexan PAR 36 sealed beam round heads for shatterproof lamp shield

Lexan® is a registered trademark of General Electric Co.

HOLOPHANE®

The DeLeon HD Series Exit and Emergency Lighting Combination Exit combines LED technology with a durable enclosure which makes it an excellent choice for use in hazardous locations. The DeLeon HD housing is suitable for use in NEMA 3, 4X, 12 and in Class I, Division 2, Groups A, B, C and D, Zone 2, Groups 11A, 11B + H₂ and 11C and Class II Division 2, Groups F and G.

NAVIGATOR SERIES DeLeon® HD

LHDE | LHDS | LHDD LHDR

FEATURES (All models):

- Compression molded fiberglass reinforced gray polyester housing
- Housing rated for NEMA 3, 4X, & 12; Class I Division 2 Groups A, B, C, D, Zone 2, Groups IIA, IIB + H₂ and IIC; Class II Division 2, Groups, F, G
- Direct view red or green LEDs
- 120/277 volt AC input
- Three year full electronics warranty
- UL 924, 844, 1604 listed. Meets or exceeds NFPA 101, NEC, BOCA and OSHA illumination and performance standards

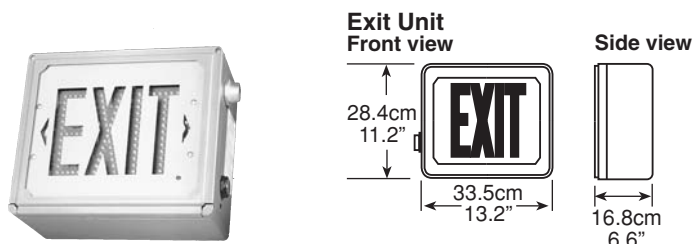


Example: LHDE D NC G GR S N NK HPWG5

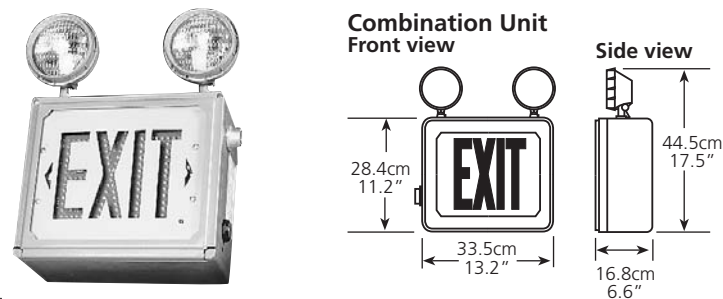
How to Construct a Catalog Number

| LHDE | D | NC | G |
|--|--------------------------|---|---|
| 1 | 2 | 3 | 4 |
| SERIES | LAMP TYPE | OPERATION | FRAME |
| LHDE DeLeon HD hazardous exit LHDS¹ DeLeon HD hazardous combination top mounted single head exit LHDD¹ DeLeon HD hazardous combination top mounted double head exit LHDR DeLeon HD hazardous remote lamp head exit <small>1 NZ Head standard</small> | D Direct view LED | AM¹ AC only multi-voltage NC¹ Nickel cadmium emergency 06³ Lead calcium emergency 6V, 6W head capacity 12² Lead calcium emergency 6V, 12W head capacity 24² Lead calcium emergency 6V, 24W head capacity 60² Lead calcium emergency 6V, 60W head capacity <small>1 120/277 VAC input, LHDE only 2 120/277 VAC input, LHDS, LHDD, LHDR only 3 120/277 VAC input, LHDS, LHDR only</small> | G Gray fiberglass reinforced polyester |

LHDE | DeLeon LHDE



LHDD | DeLeon LHDD



Weight:

| | |
|----------|--------------------|
| LHDED AM | 5.4 kg. (12 lbs.) |
| LHDED NC | 9.1 kg. (20 lbs.) |
| LHDS 06 | 9.9 kg. (22 lbs.) |
| LHDS 12 | 10.4 kg. (23 lbs.) |
| LHDS 24 | 10.8 kg. (24 lbs.) |
| LHDS 60 | 11.7 kg. (26 lbs.) |
| LHDD 12 | 10.8 kg. (24 lbs.) |
| LHDD 24 | 11.3 kg. (25 lbs.) |
| LHDD 60 | 12.2 kg. (27 lbs.) |
| LHDR 06 | 9.9 kg. (22 lbs.) |
| LHDR 12 | 10.4 kg. (23 lbs.) |
| LHDR 24 | 10.8 kg. (24 lbs.) |
| LHDR 60 | 11.7 kg. (26 lbs.) |

AC only units

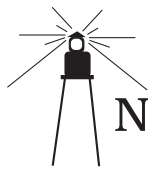
| | |
|--|---------------------|
| | 0.08 amps (120 VAC) |
| | 0.03 amps (277 VAC) |

Emergency units

| | |
|--|---------------------|
| | 0.09 amps (120 VAC) |
| | 0.04 amps (277 VAC) |

Combination units

| | |
|--|---------------------|
| | 0.21 amps (120 VAC) |
| | 0.09 amps (277 VAC) |



HOLOPHANE®
NAVIGATOR® SERIES
 Life Safety Products

EMERGENCY
NAVIGATOR SERIES
 NEMA/Hazardous
DeLeon® HD

FEATURES (Emergency models):

- Maintenance free, sealed nickel cadmium or lead calcium batteries
- 90 minutes of operation
- Solid state constant current nickel cadmium battery charger
- Solid state voltage regulated lead calcium battery charger
- Surge and brownout protection
- AC lockout installation feature
- AC indicator lamp and test switch
- Optional self-diagnostics



DeLeon HD Hazardous Exit



DeLeon HD Combination Top Mounted, Double Head Exit

| GR | | S | N | NK | HPWG5 | | |
|-------------------|--------------------------------|-----------------|------------------|---------|-------------|-----------|-----------|
| 5 | | 6 | 7 | 8 | 9 | | |
| LETTER/FACE COLOR | | NUMBER OF FACES | MOUNTING OPTIONS | OPTIONS | ACCESSORIES | | |
| GR | Gray stencil face, red LED's | S | Single face | N | No canopy | See below | See below |
| GG | Gray stencil face, green LED's | | | | | | |

8 Options (Factory installed)

| | |
|-----------------|---|
| NA ¹ | NAV-Check self diagnostics with audible alarm and visual indicators |
| NK ¹ | NAV-Check self diagnostics with visual indicators |
| SH | Shatterproof lamp shield |
| T1 | 120V time delay, (not available with "AM") |
| T2 | 277V time delay, (not available with "AM") |
| X1 | 200V 50/60 Hz transformer |
| X2 | 220V 50/60 Hz transformer |
| X3 | 240V 50/60 Hz transformer |

¹ Not available with "AM", "A1" or "A2"

9 Accessories (Ships separately)

| | |
|-------|------------|
| HPWG5 | Wire guard |
|-------|------------|

Optional Head Selection Chart (LHDD, LHDS only)

| Description | Voltage | Wattage | Catalog number Class I, Div. 2 |
|--|----------|---------|-----------------------------------|
| Lexan® sealed beam PAR 36 round | | | |
| Tungsten | 6 | 18.0 | NB ¹ |
| | | 25.0 | NC ¹ |
| | | 30.0 | ND ¹ |
| Halogen | 6 | 6.0 | NZ ¹ |
| | | 8.0 | NI ¹ |
| | | 12.0 | NJ ¹ |

¹ Add SH suffix to Lexan PAR 36 sealed beam round heads for shatterproof lamp shield

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HOLOPHANE®

NAVIGATOR SERIES DeLeon® NM

LNME | LNMD

The DeLeon NM exit and combination exit enclosures are rated NEMA 3, 3R, 4, 4X, 12 & 13. UL damp or wet location listings are also available. Exit illumination is accomplished with the use of direct view LEDs. Two head combination exits feature fully adjustable PAR 36 halogen heads.

FEATURES (All models):

- Compression molded fiberglass reinforced polyester housing
- Housing rated for NEMA 3, 3R, 4, 4X, 12 and 13 environments
- Red or green direct view LEDs
- Field selectable chevrons
- 120/277 volt AC input
- Corrosion resistant hardware
- Three year full electronics warranty
- UL 924 listed. Meets or exceeds NFPA 70 & 101, NEC and OSHA illumination and performance standards



Example: LNME D AM G SG S N WL

How to Construct a Catalog Number

| LNME | D | AM | G |
|---|--------------------------|---|---|
| 1 | 2 | 3 | 4 |
| SERIES | LAMP TYPE | OPERATION | FRAME |
| LNME DeLeon NM NEMA exit LNMD ¹ DeLeon NM NEMA combination top mounted double head exit 1 (2) standard N8 6W 6V PAR 36 sealed beam Lexan heads | D Direct view LED | AM ¹ AC only multi-voltage 120/277VAC input DC ^{1,3} AC 120/277VAC input and remote 12VDC input NC ¹ Nickel cadmium emergency 120/277VAC input LC ² Lead calcium emergency 12W, head capacity 120/277VAC input 1 LNME only 2 LNMD only 3 Remote 12 VDC supplied from a battery pack such as Holophane Cortez A1 or A4 | G Gray fiberglass reinforced polyester |

LNME | DeLeon NM



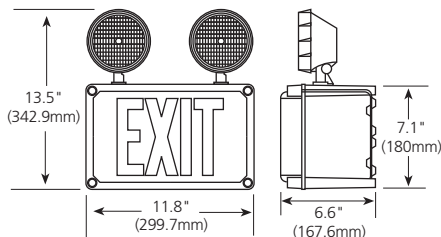
Single Face



LNMD | DeLeon NM



Single Face/ Doublehead



Weight:

| | |
|---------|-------------------|
| LNMEDAM | 4.0 kg. (9 lbs.) |
| LNMEDNC | 4.9 kg. (11 lbs.) |
| LNMDLDC | 5.4 kg. (12 lbs.) |

AC only units

| |
|---------------------|
| 0.08 amps (120 VAC) |
| 0.04 amps (277 VAC) |

Combination units

| |
|----------------------|
| 0.161 amps (120 VAC) |
| 0.07 amps (277 VAC) |



HOLOPHANE®

NAVIGATOR® SERIES

Life Safety Products

FEATURES (Emergency models):

- Maintenance free nickel cadmium or lead calcium batteries
- 90 minute operation
- Solid state constant current charger for nickel cadmium batteries
- Solid state voltage regulated charger for lead calcium batteries
- Surge and brownout protection
- AC lockout installation feature
- AC indicator lamp and test switch

EMERGENCY
NAVIGATOR SERIES
 NEMA/Hazardous
DeLeon® NM



DeLeon NM NEMA Exit



DeLeon NM Combination
Double Head Exit

SG

5

LETTER/FACE COLOR

- SR**¹ Gray stencil face, red LED's
- SG**¹ Gray stencil face, green LED's

¹ "D" lamp only

S

6

NUMBER OF FACES

- S** Single face

N

7

MOUNTING OPTIONS

- N**¹ No canopy
- 1 S face only

WL

8

OPTIONS

See below

8 Options (Factory installed)

| | |
|-----------|--|
| C1 | 120 volt, two circuit |
| C2 | 277 volt, two circuit |
| DL | Damp location listing |
| FA | Fire alarm interface |
| FL | Flasher (not available with "AM") |
| TP | Tamperproof screws |
| WL | Wet location listing (single face, "S" only) |
| X1 | 200 Volt 50/60 Hz transformer |
| X2 | 220 Volt 50/60 Hz transformer |
| X3 | 240 Volt 50/60 Hz transformer |
| X4 | 480 Volt 50 Hz transformer |

9 Accessories (Shipped separately)

| | |
|--------------------|-------------------------------|
| HP916-1-377 | External mounting feet |
| HNTPTOOL | Tamperproof screwdriver |
| WG8 | Top and back mount wire guard |
| WG10 | Side mount wire guard |

Contact your local sales rep for the most current option and accessory compatibility.

HOLOPHANE®

The DeSoto HR is UL listed and suitable for use in Class I Division 1 Groups C & D, Zones 0, 1 & 2 Groups IIA, IIB; Hz & IIC; Class I Division 2 Groups C & D; Zone 2 Groups IIA, IIB; Hz, & IIC; Class II Division 1 Groups E, F & G; Class II Division 2 Groups F & G and Class III hazardous location areas. Illumination is accomplished with a selection of incandescent, halogen or compact fluorescent lamps. Operational choices include: AC only, remote AC and emergency, remote emergency and self-contained emergency.

NAVIGATOR SERIES

DeSoto® HR

DSHRP | DSHRC DSHRW

FEATURES (All models):

- Copper free cast aluminum enclosure designed to withstand the pressure of internal arc generated explosions without allowing propagation to the hazardous atmosphere
- Corrosion resistant epoxy powder coat paint
- High impact, heat resistant prestressed glass globe with cast aluminum globe guard
- UL 924 listed. Meets or exceeds NFPA 70 & 101, NEC, BOCA, IBC and OSHA illumination and performance standards

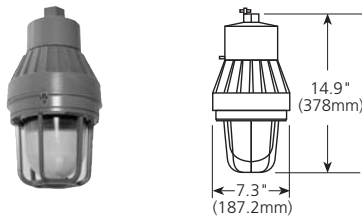


Example: DSHR P AC IN E HPOB3

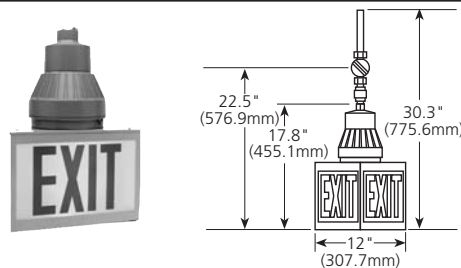
How to Construct a Catalog Number

| DSHR | | P | AC | |
|------|-----------|----------|---------------|--|
| 1 | SERIES | 2 | 3 | |
| 1 | SERIES | MOUNTING | | VOLTAGE |
| DSHR | DeSoto HR | P | Pendant mount | AC ¹ AC only |
| | | C | Ceiling mount | A1 ² 120 volt AC |
| | | W | Wall mount | A2 ² 277 volt AC |
| | | | | 6 6 volt DC |
| | | | | 12 ³ 12 volt DC |
| | | | | CT ⁴ 12 volt DC lead calcium self contained emergency unit, 120/277 VAC input |
| | | | | (blank) For operation with DeSoto DSHZP14 only |
| | | | | 1 "IN" lamp type only |
| | | | | 2 "P13" or "P26" lamp type only |
| | | | | 3 "60" lamp type only |
| | | | | 4 "P7" lamp type only |

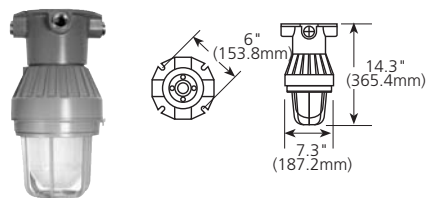
DSHRP | DeSoto HR - Pendant Mount



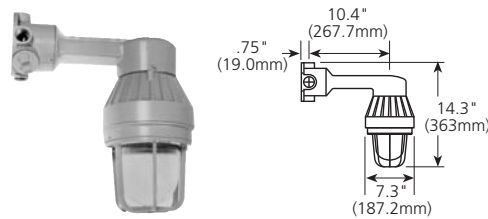
DSHRP(E) | DeSoto HR - Pendant Mount with Exit Sign



DSHRC | DeSoto HR - Ceiling Mount



DSHRW | DeSoto HR - Wall Mount



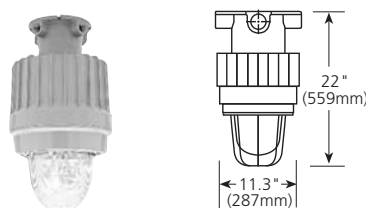
Weight:

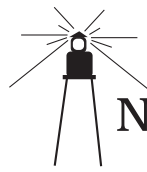
| | |
|-----------|--------------------|
| DSHRC | 6.8 kg. (15 lbs.) |
| DSHRP | 5.9 kg. (13 lbs.) |
| DSHRW | 6.8 kg. (15 lbs.) |
| DSHRPCT60 | 23.6 kg. (52 lbs.) |
| DSHRCCT60 | 24.0 kg. (53 lbs.) |
| DSHRWCT60 | 24.0 kg. (53 lbs.) |

Energy Performance (DSHR_CT60)

| |
|---------------|
| 120 VAC – 60W |
| 277 VAC – 60W |

DSHRPCT60 | DeSoto HR - Self-contained Ceiling Mount





HOLOPHANE®

NAVIGATOR® SERIES

Life Safety Products

EMERGENCY
NAVIGATOR SERIES
NEMA/Hazardous
DeSoto® HR

FEATURES (DSHR_CT60):

- Maintenance free lead calcium battery
- Three independently adjustable 20 watt MR16 halogen lamps
- 90 minute operation
- 120/277 volt AC input
- Solid state voltage regulated charger
- Surge and brownout protection
- AC lockout installation feature
- AD indicator lamp and test switch

| IN 4 | | E 5 | HPOB3 6 |
|----------------------------------|--|-----------|-------------|
| LAMP TYPE | | OPTIONS | ACCESSORIES |
| IN | Medium base incandescent socket screw shell lamp holder, 150W max | See below | See below |
| P13 ¹ | AC only, 13 watt compact fluorescent | | |
| P26 ¹ | AC only, 2 13 watt compact fluorescent lamps | | |
| P7 ² | 7 watt compact fluorescent for operation with DeSoto DSHRZP14N explosion proof emergency battery unit only | | |
| 7 ³ | 6VDC, 7 watt halogen | | |
| 10 ³ | 6VDC, 10 watt halogen | | |
| 12 ⁴ | 12VDC, 12 watt halogen | | |
| 60 ⁵ | 3–20 watt directional halogen lamp heads | | |
| 1 "A1", "A2" voltage only | | | |
| 2 Step "3" voltage must be blank | | | |
| 3 "6" voltage only | | | |
| 4 "12" voltage only | | | |
| 5 "CT" voltage only | | | |

5 Options (Factory installed)

E Triangular Exit sign attachment

6 Accessories (Shipped separately)

HPOB3 Explosion proof conduit hub
 HPSEA Swivel elbow arm
 HPEXK¹ Exit fixture kit
 HPEXK2² Exit fixture kit
 HPSDR¹ Straight dome reflector
 HPAR¹ Angle dome reflector, 30 degree

1 Not available with "CT60"

2 "CT60" only



Pendant Mount



Pendant Mount with Exit Sign



Ceiling Mount



Wall Mount



Self-contained Ceiling Mount

HOLOPHANE®

NAVIGATOR SERIES DeSoto® HRE

DSHRE

The DeSoto HRE exit sign is UL 844 listed and suitable for use in Class I, Division 1 Groups C & D, Zones 0, 1 & 2, Groups IIA, IIB + H2 & IIC; Class I, Division 2, Groups C & D, Zone 2, Groups IIA, IIB + H2 & IIC; Class II, Division 1 Groups E, F & G; Class II, Division 2, Groups F & G; and Class III hazardous location areas.

FEATURES:

- Copper free cast aluminum enclosure designed to withstand pressure of internal arc generated explosions without allowing propagation to the hazardous atmosphere
- NEC Class I Groups C & D, Class II, Groups E, F & G, T3C temperature rating
- Wall bracket, side bracket or pendant mounting
- 3/4" threaded conduit entries
- Acrylic face with 6 inch lettering available in single or double face
- Two 60 watt 60T10 clear incandescent lamps wired in parallel (not included)
- UL 924 listed. Meets or exceeds NFPA 101, NEC, BOCA, IBC and OSHA illumination and performance standards
- For use with inverter or generator emergency power



Example: DSHRE 2 DS GN TR27

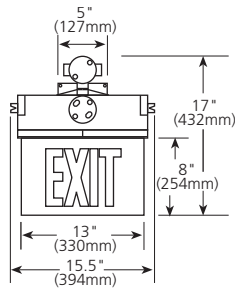
How to Construct a Catalog Number

| DSHRE | | 2 | DS |
|--------|------------|------------------------------|--|
| 1 | | 2 | 3 |
| SERIES | | NUMBER OF FACES AND MOUNTING | |
| DSHRE | DeSoto HRE | 1 Single face wall mount | DS1 Double face, one arrow |
| | | 2 Double face side mount | SB ² Single face, arrow both directions |
| | | P Double face pendant mount | SL ² Single face, arrow left |
| | | | SR ² Single face, arrow right |
| | | | DB ¹ Double face, arrow both directions |
| | | | 1 NA with step 2 "1" |
| | | | 2 NA with step 2 "2" or "P" |

DSHRE | DeSoto HRE



Weight: 4.9 kg. (11 lbs.)



Energy Performance:
120 VAC – 0.50 amps, 60W
277 VAC – 0.22 amps, 60W



HOLOPHANE®

NAVIGATOR® SERIES

Life Safety Products

EMERGENCY

NAVIGATOR SERIES

NEMA/Hazardous

DeSoto® HRE



GN

3

FACE AND LETTER COLOR

| | |
|---------|--------------------------|
| (blank) | Red letter, white face |
| GN | Green letter, white face |

TR27

8

ACCESSORIES (SHIPPED SEPARATELY)

| | |
|------|----------------------|
| TR27 | 277 volt transformer |
|------|----------------------|

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

NAVIGATOR SERIES DeSoto® HZ

DSHZ

The DeSoto HZ explosion proof emergency battery unit is UL listed and suitable for use in Class I Division 1 Groups C & D; Zones 0, 1 & 2 Groups IIA, IIB; H2 & IIC; Class I Division 2 Groups C & D; Zone 2 Groups IIA, IIB; Hz, & IIC; Class II Division 1 Groups E, F & G and Class III hazardous areas.

FEATURES:

- 14 to 85 watt capacity
- Nickel cadmium or pure lead batteries
- 90 minute operation
- Copper free cast aluminum enclosure to withstand the pressure of internal arc generated explosions without allowing propagation to hazardous atmosphere
- Enclosure includes three 3/4" threaded conduit entries for AC input and two for mounting hazardous fixtures (ordered separately)
- 120/277 volt AC input
- Three year full electronics warranty
- UL 924 listed. Meets or exceeds NFPA 101, NEC, BOCA, IBC and OSHA illumination and performance standards



Example: DSHZ 50N T1 SEA

How to Construct a Catalog Number

DSHZ

50N

1

2

SERIES

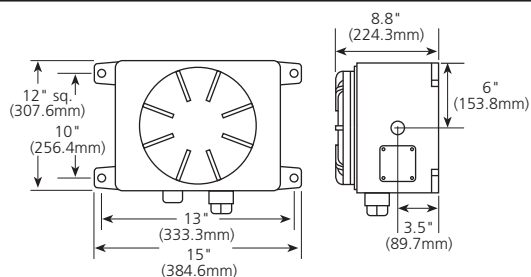
BATTERY AND OPERATION

DSHZ DeSoto HZ

P14N¹ 4.8 volt DC, 14 watt nickel cadmium battery, 120/277 VAC input, compact fluorescent loads, AC and emergency operation
30N 6 volt DC, 30 watt nickel cadmium battery, 120/277 VAC input, incandescent loads, emergency operation only
50N 12 volt DC, 50 watt nickel cadmium battery, 120/277 VAC input, incandescent loads, emergency operation only
85L 6 volt DC, 85 watt pure lead battery, 120/277 VAC input, incandescent loads, emergency operation only

¹ For operation with DeSoto HR "P7" lamp type only. Maximum remote mounting distance is 8 feet

DSHZ | DeSoto HZ



Weight:
 DSHZP14N 28.6 kg. (63 lbs.)
 DSHZ30N 29.5 kg. (65 lbs.)
 DSHZ50N 30.4 kg. (67 lbs.)
 DSHZ85L 31.3 kg. (69 lbs.)

Energy Performance:
 120 VAC – 0.50 amps, 60W
 277 VAC – 0.22 amps, 60W



HOLOPHANE®

NAVIGATOR® SERIES

Life Safety Products

EMERGENCY

NAVIGATOR SERIES

NEMA/Hazardous

DeSoto® HZ



T1

3

OPTIONS (FACTORY INSTALLED)

- KL** Key lock
- T1¹** 120 VAC time delay
- T2¹** 277 VAC time delay
- X1** 200 VAC, 50/60Hz transformer
- X2** 220 VAC, 50/60Hz transformer
- X3** 240 VAC, 50/60Hz transformer

¹ NA with "P14N"

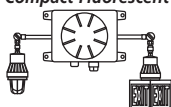
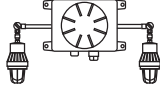
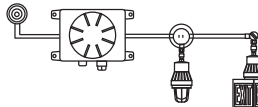
SEA

4

ACCESSORIES (SHIPPED SEPARATELY)

- OB3** Explosion proof conduit hub
- SEA** Swivel elbow arm

Sample Applications

| | Catalog No. | Description |
|---|--|---|
| Compact Fluorescent  | (1) DSHZP14N (2) SEA (1) DSHRPP7¹ (1) DSHRPP7E¹ | 4.8 volt, 14 watt battery pack Swivel elbow arms 7 watt compact fluorescent lamp fixture 7 watt compact fluorescent lamp fixture w/ "E" exit option |
| Incandescent  | (1) DSHZ30N (2) SEA (2) DSHRPA610² | 6 volt, 30 watt battery pack Swivel elbow arms 6 volt, 10 watt halogen lamp fixture |
| Incandescent  | (1) DSHZ50N (1) SEA (1) OB3 (1) DSHRP1212² (1) DSHRP1212E² (1) DSHRHD | 12 volt, 50 watt battery pack Swivel elbow arms 3-way junction box 12 volt, 12 watt halogen lamp fixture 12 volt, 12 watt halogen lamp fixture, with "E" exit option 12 volt, 12 watt directional head |

¹ Operates in AC and emergency mode
² Operates in emergency mode only

Contact your local sales rep for the most current option and accessory compatibility.

Wet and damp location ratings makes the Cortez A9 ideal for exterior stairways and passage-ways. AC only or AC and battery back-up models are available in a choice of four impact resistant polycarbonate housings. Illumination is accomplished with compact fluorescent lamps in AC operation and wedge base incandescent lamps in battery back up operation.

NAVIGATOR SERIES Cortez® A9

CZA9

FEATURES (All models):

- Wet and damp location rated
- Rugged polycarbonate housing
- Four housing styles
- Prismatic lens
- UL 924 listed. Meets or exceeds NFPA 101, NEC, IBC and OSHA illumination and performance standards

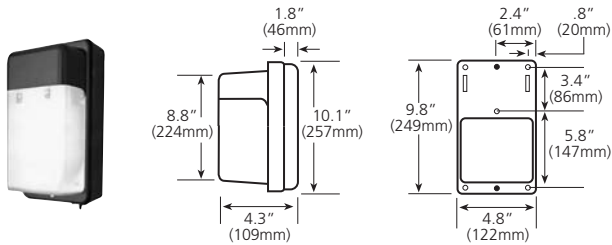


Example: CZA9 14 EM C BK 3 TP

How to Construct a Catalog Number

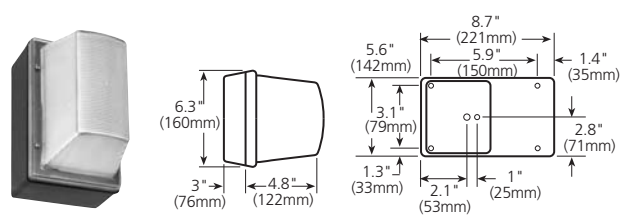
| CZA9 | | 14 | EM | C |
|----------------|--|---|-------------------|---|
| 1 | 2 | 3 | 4 | |
| SERIES | STYLE | POWER REQUIREMENTS | LENS TYPE | |
| CZA9 Cortez A9 | 5 Wall surface mount, partial lens 7 Wall surface mount, full lens 11 Wall angle bracket mount 14 Ceiling mount | AC AC (NPF ballast supplied) EM Emergency (Requires input voltage of 3 | C Clear prismatic | |

CZA95 | Wall surface mount, partial lens



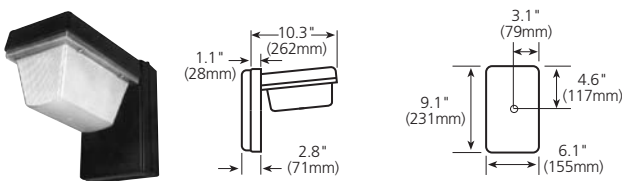
Weight:
CZA95AC 1.8 kg. (4 lbs.)
CZA95EM 2.3 kg. (5 lbs.)

CZA97 | Wall surface mount, full lens



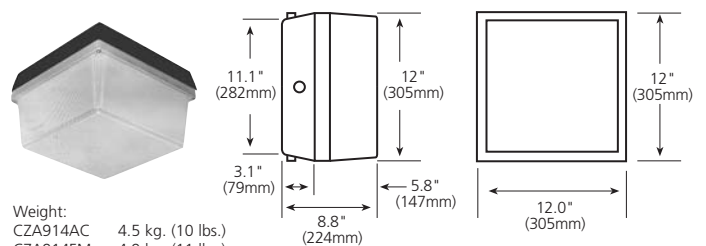
Weight:
CZA97AC 1.8 kg. (4 lbs.)
CZA97EM 2.3 kg. (5 lbs.)

CZA911 | Wall angle bracket mount



Weight:
CZA911AC 2.3 kg. (5 lbs.)
CZA911EM 2.7 kg. (6 lbs.)

CZA914 | Wall surface mount, full lens



Weight:
CZA914AC 4.5 kg. (10 lbs.)
CZA914EM 4.9 kg. (11 lbs.)

Energy Performance:

- CZA95**
120VAC – 0.15 amps, 17W
277VAC – 0.065 amps, 17W
- CZA97**
120VAC – 0.15 amps, 17W
277VAC – 0.065 amps, 17W
- CZA911**
120VAC – 0.15 amps, 17W
277VAC – 0.065 amps, 17W
- CZA914**
120VAC – 0.30 amps, 34W
277VAC – 0.13 amps, 34W



HOLOPHANE®

NAVIGATOR® SERIES

Life Safety Products

EMERGENCY

NAVIGATOR SERIES

Outdoor

Cortez® A9



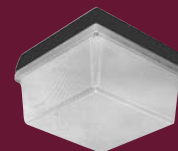
CZA95



CZA97



CZA911



CZA914

FEATURES (Emergency models):

- Nickel cadmium batteries
- 90 minute operation
- Solid state constant current charger
- Surge and brownout protection
- AC indicator lamp and test switch

BK

5

COLOR

| | |
|-----------|------------------------------|
| BZ | Bronze (style 5, 7, 14 only) |
| BK | Black (style 5, 7, 11 only) |
| WH | White (style 5, 7 only) |

3

6

INPUT WATTAGE

| | |
|----------|-------------------------|
| 1 | 120V AC |
| 2 | 277V AC |
| 3 | 120/277V emergency only |

TP

7

OPTIONS (FACTORY INSTALLED)

| | |
|-------------------------|--|
| TP | Tamperproof screws |
| CW | Cold weather ballast |
| CT¹ | Factory predrilled top conduit connection |
| CB¹ | Factory predrilled bottom conduit connection |
| CR¹ | Factory predrilled right conduit connection |
| CL¹ | Factory predrilled left conduit connection |
| PC^{1,2} | Photo cell (provide 120V or 277V) |

¹ Not required on C295 five knockouts provided

² If product will be controlled by either lighting photocell or timeclock, please consult factory to ensure compatibility

Lamp Data

| Series | AC Mode | Emergency Mode |
|--------|---------------------|----------------|
| CZA97 | 1-13 watt Quad | 2-4V 4W DC |
| | Compact Fluorescent | Incandescent |
| CZA911 | 1-13 watt Quad | 2-4V 4W DC |
| | Compact Fluorescent | Incandescent |
| CZA914 | 2-13 watt | 2-6V 5.4W DC |
| | Compact Fluorescent | Incandescent |
| CZA95 | 1-13 watt Quad | 2-4V 4W DC |
| | Compact Fluorescent | Incandescent |

HOLOPHANE®

The Magellan EC die cast aluminum exit is ideal for applications that require an attractive, reliable and economical exit sign. The Magellan EC features long lasting high output red or green LED's and two piece housing construction for easy installation.

NAVIGATOR SERIES Magellan® EC

MECE

FEATURES (All models):

- Two piece construction
- Die cast aluminum housing and face
- Choice of white or black epoxy-based powder coat finish or natural brushed aluminum
- Field selectable chevrons
- 120/277 volt AC input
- Long life red or green LEDs
- Three year full electronics warranty
- UL 924 listed. Meets or exceeds NFPA 101, NEC, IBC and OSHA illumination and performance standards



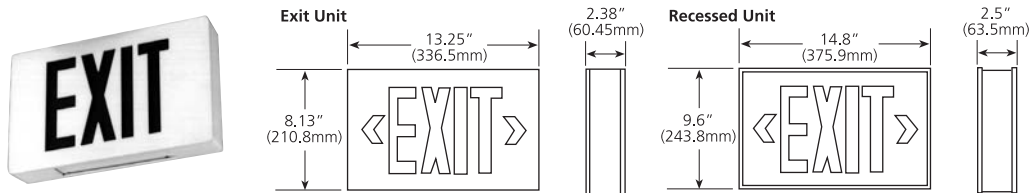
Example: MECE L NC B AR S C SD PVS

How to Construct a Catalog Number

| MECE | L | NC | B |
|--|---------------------|--|--|
| 1 | 2 | 3 | 4 |
| SERIES | LAMP TYPE | OPERATION | FRAME |
| MECE Magellan EC die cast aluminum exit | L LED Direct | AM AC only, 120/277 VAC input NC Nickel cadmium emergency 120/277 VAC input | B Black painted die cast aluminum W White painted die cast aluminum A Brushed die cast aluminum |

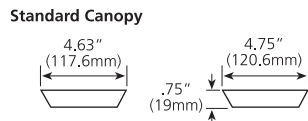
MECE | Magellan EC

White painted, single stencil face

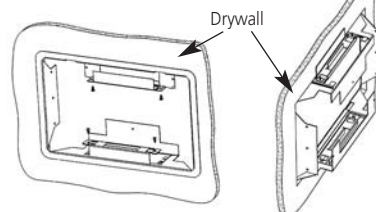


MECE | Magellan EC

Black frame, brushed aluminum face with canopy mount



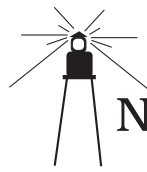
Front and back view of recessed frame and mounting bracket



Wall cutout: P12" x 13.75"

Weight:
MECELAM 2.3 kg. (5 lbs.)
MECEL DC, DS or NC 3.2 kg. (7 lbs.)

Energy Performance:
AC only unit
Red LED - 0.89W
Green LED - 2.17W
Emergency unit
Red LED - 3.62W
Green LED - 2.79W



HOLOPHANE®

NAVIGATOR® SERIES

Life Safety Products

FEATURES (Emergency models):

- Maintenance free nickel cadmium batteries
- 90 minute operation
- Solid state constant current charger
- Surge and brownout protection
- AC lock out installation feature
- AC indicator lamp and test switch
- Optional self diagnostics

| AR | | S | | C | | SD | | PVS | |
|--|---|-----------------|-------------|--|--------------------------------------|---------|-----------|-------------|-----------|
| 5 | | 6 | | 7 | | 8 | | 9 | |
| FACE/LETTER COLOR | | NUMBER OF FACES | | MOUNTING | | OPTIONS | | ACCESSORIES | |
| AG | Brushed aluminum stencil face, green letter | D | Double face | C ¹ | Canopy mount | | See below | | See below |
| AR | Brushed aluminum stencil face, red letter | S | Single face | R | Fully recessed die cast aluminum LED | | | | |
| SG ¹ | Stencil face, green letter | | | | | | | | |
| SR ¹ | Stencil face, red letter | | | | | | | | |
| ¹ Stencil matches housing color, "B" and "W" only | | | | ¹ Canopy provided with all exits, but not required for single face wall mounted exits | | | | | |



White frame, single face



Black frame, brushed cast aluminum face

8 Options (Factory installed)

| | |
|-----|---|
| BF | Buzzer flasher (not available with "BZ", available only with "NC") |
| BZ | Buzzer (not available with "BF", available only with "NC") |
| C1 | 120 volt, two circuit |
| C2 | 277 volt, two circuit |
| DL | Damp location listing |
| FA | Fire alarm interface (not available with "AM" operation) |
| FL | Flasher (not available with "AM" operation, "BZ" or "BF", available only with "NC") |
| NK | Self diagnostics, available only with "NC" |
| TP | Tamperproof screws |
| VRS | Vandal resistant lens with tamperproof hardware (requires T15TPTOOL) |
| X1 | 200 Volt 50/60 Hz transformer |
| X2 | 220 Volt 50/60 Hz transformer |
| X3 | 240 Volt 50/60 Hz transformer |

9 Accessories (Shipped separately)

| | |
|-------------|----------------------------------|
| HPT15TPTOOL | Tamper-proof screwdriver |
| HPWG4 | Wire guard for wall mounted exit |
| HPWG10 | Wire guard for side mounted exit |
| PVS | Polycarbonate vandal shield |

The ES Series Edge-Lit Exit provides a progressive, thin, compact design that is complementary to upscale architectural spaces. This premium exit sign is ideal for commercial or retail architectural designs, while offering energy efficient power consumption.

The simplified universal installation process makes the S Series Edge-Lit Exit both a specification product and electrical contractor favorite.

NAVIGATOR SERIES Magellan® ES

MAES

FEATURES:

- Recessed or surface mount
- Impact resistant thermoplastic black or white housing
- High impact, clear acrylic panels with engraved and silkscreened lettering and optional chevrons
- 120/277 volt AC input
- 90 minutes emergency power
- Five year full electronics warranty



Example: MAES S B 1 R U DL SC

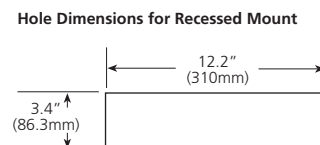
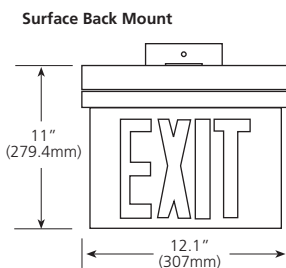
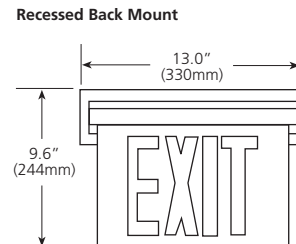
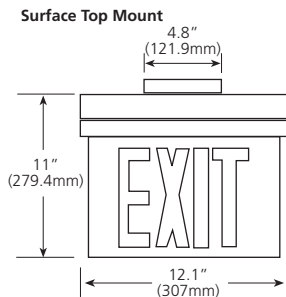
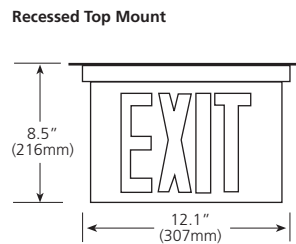
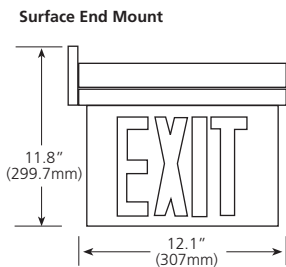
How to Construct a Catalog Number

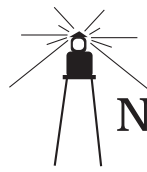
| MAES | S | B | 1 | R |
|--------------------------------|--|---------------------|----------------------|--------------------------|
| 1 | 2 | 3 | 4 | 5 |
| SERIES | VOLTAGE AND LAMP | HOUSING/TRIM FINISH | NUMBER OF FACES | LETTER COLOR |
| MAES Magellan ES edge-lit exit | S AC LED edge-lit exit SE Emergency LED edge-lit exit | B Black W White | 1 Single 2 Double | R Red LED G Green LED |

MAES | Magellan ES



Weight: .907 kg. (2 lbs.)





HOLOPHANE®

NAVIGATOR® SERIES

Life Safety Products

EMERGENCY

NAVIGATOR SERIES

Exits

Magellan® ES



U

6

MOUNTING

- U** Universal mount

DL

7

OPTIONS (FACTORY INSTALLED)

- C1** 120 Volt AC, 2 circuit
- C2** 277 Volt AC, 2 circuit
- BF** Buzzer and flasher
- BZ** Audible buzzer
- DL** Damp location listing
- FA** Fire alarm interface
- FL** Emergency flasher

SC

8

ACCESSORIES (SHIPS SEPARATELY)

- HPPKITE12W** Pendant kit, 12", white finish
- HPPKITE12B** Pendant kit, 12", black finish
- SC** Bar hanger kit (4 per set)

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

The Magellan QT is ideal for applications requiring attractive, easy to install LED exit and combination exit signs. Features include a snap together housing and tool free canopy for quick and easy installation. Red or green high output, long lasting LEDs evenly illuminate the exit panel.

NAVIGATOR SERIES Magellan® QT

MQTE | MQTD

FEATURES (All models):

- High impact UL-94 V-0, 5VA white or black thermoplastic housing
- Snap together design for quick and easy installation
- Tool free universal canopy for wall, ceiling or end mounting included
- External field selectable chevrons
- 120/277 volt AC dual voltage input
- Red or green high output LEDs with an expected life of 25 years
- Five year full electronics warranty
- UL 924 listed. Meets or exceeds NFPA 101, NEC, IBC and OSHA illumination and performance standards

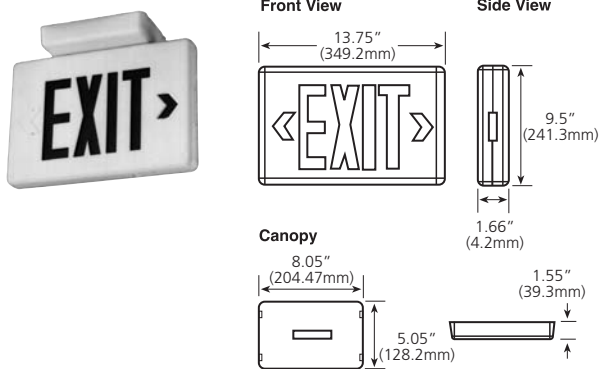


Example: MQTE L NC W SR S C SD TP

How to Construct a Catalog Number

| MQTE | L | NC | W |
|---|---------------------|---|--|
| 1 | 2 | 3 | 4 |
| SERIES | LAMP TYPE | OPERATION | FRAME |
| MQTE Magellan QT exit MQTD Magellan QT double head exit with 2 T6, 5.4 watt tungsten lamps | L LED direct | AM ¹ AC only multi-voltage 120/277 VAC input DC ¹ AC/DC operation 120/277 VAC input and remote 12 VDC input NC ¹ Nickel cadmium emergency 120/277 VAC input 12 ² Lead calcium emergency 12 watt head capacity 120/277VAC input 14N ² Nickel cadmium emergency 14 watt head capacity 120/277VAC input 18 ² Lead calcium emergency 18 watt head capacity 120/277VAC input 18N ² Nickel cadmium emergency 18 watt head capacity 120/277VAC input 25 ² Lead calcium emergency 25 watt head capacity 120/277VAC input | W White thermoplastic B Black thermoplastic |
| | | ¹ "MQTE" only ² "MQTD" only | |

MQTE | Magellan QT



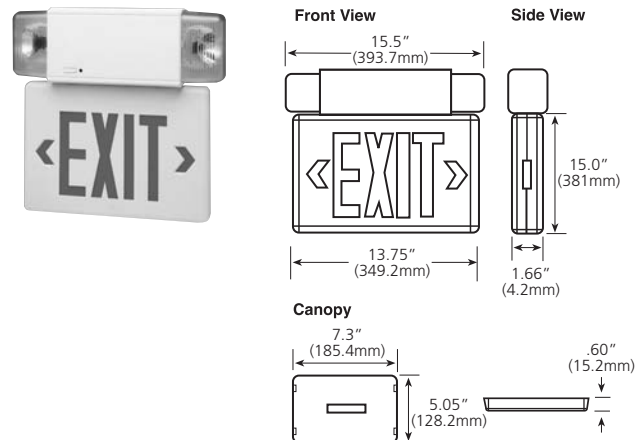
Weight:

| | |
|---------|---------------------|
| MQTELAM | 0.9 kg. (2.0 lbs.) |
| MQTELNC | 2.0 kg. (4.5 lbs.) |
| MQTDL12 | 4.5 kg. (10.0 lbs.) |
| MQTDL14 | 4.9 kg. (11.0 lbs.) |
| MQTDL18 | 5.4 kg. (12.0 lbs.) |
| MQTDL25 | 5.4 kg. (12.0 lbs.) |

Energy Performance:

| |
|-----------------------------------|
| <u>AC only unit</u> |
| Red LED - 0.89W |
| Green LED - 2.17W |
| <u>AC only master remote unit</u> |
| Red LED - 4.30W |
| Green LED - 3.56W |
| <u>Nickel Cadmium unit</u> |
| Red LED - 3.62W |
| Green LED - 2.79W |

MQTD | Magellan QT - Double Head



Energy Performance:

| |
|---------------------------------|
| <u>Combination unit 12W</u> |
| 120VAC - 0.114 amps |
| 277VAC - 0.054 amps |
| <u>Combination unit 14W-25W</u> |
| 120VAC - 0.118 amps |
| 277VAC - 0.056 amps |



HOLOPHANE®

NAVIGATOR® SERIES

Life Safety Products

FEATURES (Emergency models):

- Maintenance free, sealed nickel cadmium or lead calcium batteries
- 90 minutes of operation
- Solid state constant current nickel cadmium battery charger
- Solid state voltage regulated lead calcium battery charger
- Surge and brownout protection
- AC lock-out installation feature
- AC indicator lamp and test switch
- Optional self diagnostics

EMERGENCY

NAVIGATOR SERIES

Exits

Magellan® QT



MQTE



MQTD

| SR | | S | | C | | SD | | TP | |
|-------------------|--|---|----------------|----------|--------------|---------|-----------|-------------|-----------|
| 5 | | 6 | | 7 | | 8 | | 9 | |
| FACE/LETTER COLOR | | NUMBER OF FACES | | MOUNTING | | OPTIONS | | ACCESSORIES | |
| SR | Thermoplastic stencil face, red letter | S | Single face | C | Canopy mount | | See below | | See below |
| SG | Thermoplastic stencil face, green letter | D | Double face | | | | | | |
| | | U ¹ | Universal face | | | | | | |
| | | 1 1 door kit, 2 stencil faces, 2 lenses | | | | | | | |

8 Options and Option Heads (Factory installed)

| | |
|-------------------|---|
| C1 ¹ | 120VAC two circuit wiring |
| C2 ¹ | 277 VAC, two circuit wiring |
| BF | Buzzer/flasher (Not available with "AM") |
| BZ ¹ | Buzzer (Not available with "AM") |
| DL ^{1,3} | Damp location (Not available with "MQTD" or "MQTE" with "NK") |
| F ¹ | Fire alarm interface (Not available with "AM") |
| FL ¹ | Flasher (Not available with "AM") |
| NK | Quick check self diagnostics with audible alarm (Not available with "AM" or "DC") |
| VRS | Vandal resistant lens |
| X1 | 200 volt 50/60 Hz transformer |
| X2 | 220 volt 50/60 Hz transformer |
| X3 | 240 volt 50/60 Hz transformer |
| LL ^{1,2} | Matching low level remote exit, thermoplastic frame ("MQTD" units with 18, 18N or 25 operation only.) Ship as a set |
| LP ^{1,2} | Matching low level remote exit, aluminum frame ("MQTD" units with 18, 18N or 25 operation only.) Ship as a set |
| EX | Special input transformer (specify voltages and frequency). Consult factory |
| TP | Tamperproof screws (includes tamperproof bit) |

Optional Heads for MQDT only

| | |
|------------------|-----------------|
| T7 ² | Tungsten 7 watt |
| T9 ² | Tungsten 9 watt |
| H7 ² | Halogen 7 watt |
| H12 ² | Halogen 12 watt |

¹ Not available with "NK"

² "LP" and "LL" options reflect price of the remote exit and wiring harness only to be added to price of master exit

³ Available on 25 watt lead calcium and all nickel cadmium batteries

9 Accessories (Shipped separately)

| | |
|--------------------------|--|
| HPSPKIT12WH ¹ | Unison exit pendant kit, 12 inch, white finish |
| HPSPKIT12BK ¹ | Unison exit pendant kit, 12 inch, black finish |
| HPT15TPTOOL | Tamper-proof screwdriver |
| HPWG4 | Wire guard for exit wall mounting |
| HPWG10 | Wire guard for exit end mounting |
| PVS | Polycarbonate vandal shield ("MQTE" only) |

¹ Consult factory for special pendant lengths

The Magellan ST is ideal for applications requiring a traditional heavy duty, steel housing exit or combination exit. Housing is constructed from die-formed 20 gauge, cold rolled steel. High output, long lasting red or green LEDs evenly illuminate the exit panel.

NAVIGATOR SERIES Magellan® ST

MSTE | MSTD | MSTR

Example: MSTE L NC W WR S C NK TP



How to Construct a Catalog Number

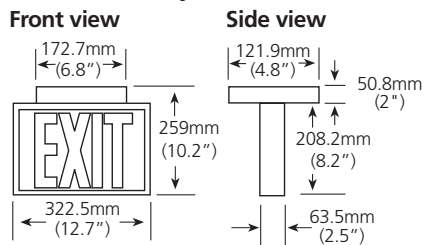
| MSTE | | L | NC | W |
|-------------|---|--------------|--|--|
| 1 | | 2 | 3 | 4 |
| SERIES | | LAMP TYPE | OPERATION | FRAME |
| MSTE | Magellan ST exit | L LED | AM ¹ AC only multi-voltage 120/277 VAC input NC ¹ Nickel cadmium emergency 120/277 VAC input | B Black painted steel W White painted steel |
| MSTD | Magellan ST – side mounted double head exit | | 12 ² Lead calcium emergency 12 watt head capacity 120/277VAC input 30 ² Lead calcium emergency 30 watt head capacity 120/277VAC input | |
| MSTR | Magellan ST – remote lamp head exit | | | |

¹ "MSTE" only
² "MSTR" and "MSTD" only

MSTE | Magellan ST



Exit Unit (AC only and LED Nickel Cadmium)

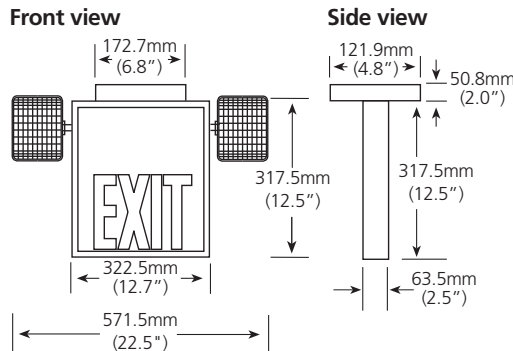


| | | |
|----------------|--------------------|----------------------------|
| Weight: | | Energy Performance: |
| MSTELAM | 2.2 kg. (5.0 lbs.) | <u>AC only unit</u> |
| MSTELNC | 3.1 kg. (7.0 lbs.) | 5.5W |
| MSTD12 or 30 | 3.8 kg. (8.5 lbs.) | <u>Nickel Cadmium unit</u> |
| MSTR12 or 30 | 3.4 kg. (7.5 lbs.) | 5.5W |
| MSTSL12 or 30 | 3.6 kg. (8.0 lbs.) | <u>Lead Calcium unit</u> |
| | | 14.1W |

MSTD | Magellan ST



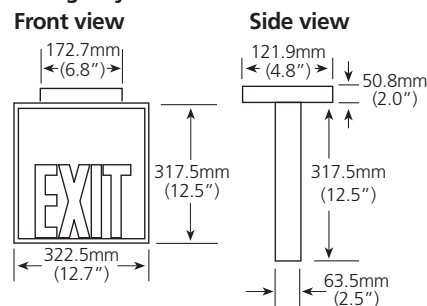
Combination Unit

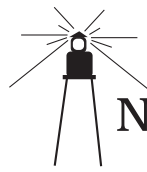


MSTR | Magellan ST



Emergency Unit





HOLOPHANE®

NAVIGATOR® SERIES

Life Safety Products

FEATURES (Emergency models):

- Maintenance free, sealed nickel cadmium or lead calcium batteries
- 90 minutes of operation
- Solid state constant current nickel cadmium battery charger
- Solid state voltage regulated lead calcium battery charger
- AC indicator lamp and text switch
- Optional self-diagnostics

| WR | | S | C | NK | TP |
|-------------------|---|--|-------------|----------------|--------------------|
| 5 | | 6 | 7 | 8 | 9 |
| FACE/LETTER COLOR | | NUMBER OF FACES | | OPTIONS | ACCESSORIES |
| WR | White stencil, red letter face (W only) | S | Single face | C | Canopy mount |
| WG | White stencil, green face (W only) | D | Double face | N ¹ | No canopy |
| BR | Black stencil, red letter (B only) | U ¹ | Universal | 1 | AM wall mount only |
| BG | Black stencil, green letter (only) | 1 Single face with additional stencil face | | | |
| | | | | See below | See below |



Magellan MSTE



Magellan MSTD
Side mounted, double head



Magellan MSTR
Remote lamp head

8 Options (Factory installed)

| | |
|-------------------|--|
| BF | Buzzer and flasher |
| BZ ² | Audible buzzer |
| C1 ^{2,5} | Dual circuit input, 120VAC |
| C2 ^{2,5} | Dual circuit input, 277VAC |
| FA ² | 24V Fire alarm interface |
| FL ² | Emergency flasher |
| NK ⁵ | NAV-Check self diagnostics with visual indicators |
| X1 | 200 volt 50/60 Hz transformer |
| X2 | 220 volt 50/60 Hz transformer |
| X3 | 240 volt 50/60 Hz transformer |
| TP | Tamperproof screws (torx bit included) |
| SW ³ | Special wording (per face charge). One time set up charge |

1 Some option combinations may impact UL Listing. Consult factory for specifics

2 NA with "NK"

3 Artwork setup charge reflects cost of single face, one color set up. Consult factory for multiple face, multiple color setup charges.

4 Consult factory for special pendant lengths in excess of 12"

5 Top mount only with this option

9 Accessories (Shipped separately)

| | |
|------------|---|
| HPTP15TOOL | Tamperproof screwdriver (T15 bit and driver included) |
| HPP18W | Excel series exit pendant kit, 12", white finish |
| HPWG | Wireguard for combination LED exit/emergency |
| HPWG4 | Wire guard for exit wall mount |
| HPG10 | Wire guard for exit end mounting |

Contact your local sales rep for the most current option and accessory compatibility.

HOLOPHANE®

The Magellan SL is an attractive and rugged self luminous exit sign with proven reliability in industrial, office and public facilities. No electrical energy source required, eliminating wiring and minimizing installation cost.

NAVIGATOR SERIES Magellan® SL

MASL

FEATURES:

- No external power source required
- Service life of 10, 15 or 20 years
- Thermoplastic, aluminum or aluminum vandal resistant frames
- Universal hardware for easy installation
- Suitable for use in harsh, corrosive, humid or explosive environments
- UL 924 listed. Meets or exceeds NFPA 101, NEC, IBC, NEC Article 500 Class I & II conditions and OSHA illumination and performance standards

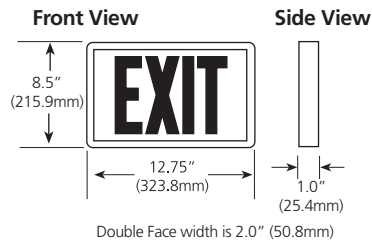


Example: MASL R U 20 S BK HPVS

How to Construct a Catalog Number

| MASL | R | U | 20 | S |
|------------------|------------------|-----------------|---|---|
| 1 | 2 | 3 | 4 | 5 |
| SERIES | FACE COLOR | UNIVERSAL ARROW | USEFUL LIFE | NUMBER OF FACES |
| MASL Magellan SL | R Red G Green | U Universal | 10 10 years 15 15 years 20 20 years | S Single D ¹ Double <small>1 Not available with "IF1" or "IF2"</small> |

MASL | Magellan SL



Weight:

Thermoplastic Frame

Single Face .68 kg. (1.5 lbs.)
Double Face 1.4 kg. (3.0 lbs.)

Aluminum Frame

Single Face 1.8 kg. (4.0 lbs.)
Double Face 3.6 kg. (8.0 lbs.)

Aluminum Vandal Resistant Frame

Single Face 3.6 kg. (8.0 lbs.)



HOLOPHANE®

NAVIGATOR® SERIES

Life Safety Products

EMERGENCY

NAVIGATOR SERIES

Exits

Magellan® SL



BK

6

OPTIONS (FACTORY INSTALLED)

| | |
|---------------------------|---|
| AF | Aluminum frame |
| BK | Black plastic frame |
| IF1 ^{1,2} | Black anodized aluminum, vandal resistant frame |
| IF537 ¹ | Brushed aluminum, vandal resistant frame |
| PM | 12" Pendant Kit |
| WH | White plastic frame |
| PW ³ | Polycarbonate lens |

1 NA with 20 year life, "D" double face, available with single face exits only

2 15 Year maximum life capability

3 Included with "IF1" or "IF537", not available with "D" double face

HPVS

7

ACCESSORIES (SHIPS SEPARATELY)

| | |
|-----------------|----------------------------------|
| HPKITRB | 12" Pendant kit (black) |
| HPKITRG | 12" Pendant kit (gray) |
| HPKITRW | 12" Pendant kit (white) |
| HPPKITAL | 12" Pendant kit (aluminum frame) |
| HPVS | Polycarbonate vandal shield |
| HPWG4 | Wall mount wire guard |
| HPWG10 | Side mount wire guard |

Certain airborne contaminants can diminish the integrity of acrylic. Please refer to the Acrylic Environmental Compatibility Chart on page 353-354 (or publication HL-2445) for suitable uses.

HOLOPHANE®

NAVIGATOR SERIES DeLeon® TL

LNTL

The DeLeon TL wet location and harsh environment exit combines rugged construction and appealing aesthetics. Durable cast aluminum and polycarbonate housing construction, standard vandal resistant/anti-corrosion coated hardware and high performance electronics ensures long lasting reliability even in the most severe environments.

FEATURES:

- Thermoplastic, aluminum or aluminum vandal resistant frames
- Universal hardware for easy installation
- Suitable for use in harsh, corrosive, humid or explosive environments
- UL listed for wet/damp locations ranging from -49°F to 113°F

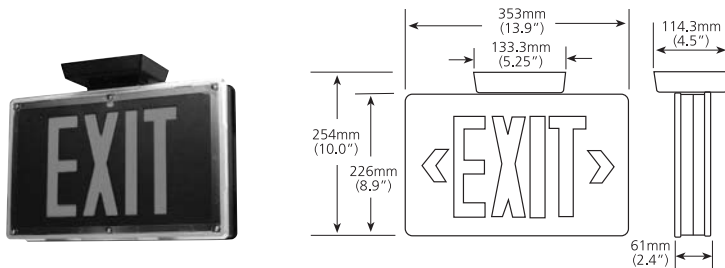
Example: LNTL AM W SR S PM HPWG4



How to Construct a Catalog Number

| LNTL | AM | W | SR | S |
|---|--|--|--|--|
| 1 | 2 | 3 | 4 | 5 |
| SERIES | OPERATION | HOUSING/STENCIL COLOR | LETTER/FACE COLOR | NUMBER OF FACES |
| LNTL DeLeon Wet/Damp locations exit | AM AC only, multi-voltage 120/277V dual voltage input NC Nickel cadmium emergency, 120/277V input | W White housing, white stencil G Gray housing, gray stencil B Black housing, black stencil WA White housing, brushed aluminum stencil BA Black housing, brushed aluminum stencil GA Gray housing, brushed aluminum stencil | SR Gray stencil face, red LED's SG Gray stencil face, green LED's | S Single U Double Face Universal |

LNTL | DeLeon TL



Weight: Single face: 3.17 kg. (7 lbs.)
Double face: 3.63 kg. (8 lbs.)



HOLOPHANE®

NAVIGATOR® SERIES

Life Safety Products

EMERGENCY

NAVIGATOR SERIES

Exits

DeLeon® TL



PM

6

OPTIONS (FACTORY INSTALLED)

| | |
|-----------------------|--------------------------------------|
| C1 | 120V, 2 circuit input |
| C2 | 277V, 2 circuit input |
| BF | Buzzer/flasher ("EM" units only) |
| BZ | DC buzzer |
| PM¹ | Pendant mount (requires pendant kit) |
| SW² | Special wording |
| F | Fire alarm interface (24V) |
| FL | Emergency flasher |
| X1 | 200 Volt 50/60 Hz transformer |
| X2 | 220 Volt 50/60 Hz transformer |
| X3 | 240 Volt 50/60 Hz transformer |

¹ Must specify "PM" option for compatibility with pendant kit. Consult TSG for additional length cost

² Artwork setup charge reflects costs of single face, one color setup. Consult TSG for multiple color setup cost

HPWG4

7

ACCESSORIES (SHIPS SEPARATELY)

| | |
|-------------------|------------------------------|
| HPT15PTOOL | Tamperproof tool |
| HPTPKITB | 12" Pendant kit (black stem) |
| HPTPKITW | 12" Pendant kit (white stem) |
| HPWG4 | Wall mount wire guard |
| HPWG10 | Side mount wire guard |

NAVIGATOR SERIES Accessories

WG | MSHELF | PVS

FEATURES:

- Wire Guard – Provides protection from accidental or intentional abuse for emergency lighting equipment in areas such as gymnasiums and schools
- Mounting Shelf – Enable emergency lighting units to be easily removed and installed to simplify periodic maintenance
- Polycarbonate Shield – Aesthetically pleasing protection for emergency lighting units in high traffic areas such as schools and public areas



Example: PVS

How to Construct a Catalog Number

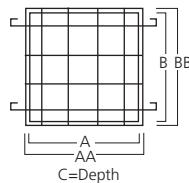
WG

1

SERIES

| | |
|--------|----------------------|
| WG | Wire Guard |
| MSHELF | Mounting Shelf |
| PVS | Polycarbonate Shield |

WG | Wire Guard



| Catalog no. | For use with | Dimensions cm (in) | | | | |
|---------------|---|--------------------|-------------|-----------|-----------|-----------|
| | | A | AA | B | BB | C |
| HPWG | Cortez A4, 100–250 watt DeSoto M60 100–180 watt DeSoto M70 100–125 watt Magellan ST combo exit | 50.8 (20) | 66 (26) | 50.8 (20) | 66 (26) | 27.9 (11) |
| HPWG3 | Cortez A5 | 25.4 (10) | 30.5 (12) | 25.4 (10) | 30.5 (12) | 14 (5.5) |
| HPWG4 | All standard exits Cortez A5 recessed | 31.8 (12.5) | 36.8 (14.5) | 38.1 (15) | 43.2 (17) | 14 (5.5) |
| HPWG5 | Cortez A1, A4 (18–100 watt) DeSoto M40, M50, M60 (25–70 watt) DeSoto M70 (25–75 watt) Magellan QT combo exit | 40.6 (16) | 45.7 (18) | 53.3 (21) | 58.4 (23) | 25.4 (10) |
| HPWG8 | DeLeon NM top and back mount | 30.5 (12) | 35.6 (14) | 30.5 (12) | 35.6 (14) | 33 (13) |
| HPWG9 | DeLeon HD combo exit | 55.9 (22) | 59.7 (23.5) | 30.5 (12) | 35.6 (14) | 33 (13) |
| HPWG10 | All standard end mount exits | 22.4 (8.8) | N/A | N/A | 38.1 (15) | 38.1 (15) |

MSHELF | Mounting Shelf



| White Shelf | Tan Shelf | For Use With Series No. | Length | Dimensions Height | Width |
|-------------|-----------|---------------------------|-----------------|-------------------|----------------|
| HPMJSHELFW | | Cortez A4 (75–100 watt) | 13.5" (34.3 cm) | 5.5" (14 cm) | 6.0 (15.2 cm) |
| HPMLSHELFW | | Cortez A4 (18–50 watt) | 14.6" (37.1 cm) | 5.5" (14 cm) | 3.5" (8.9 cm) |
| HPMSSHELFW | | Cortez A1 | 14.6" (37.1 cm) | 5.5" (14 cm) | 5.3" (13.5 cm) |
| HPMXSHELFW | | Cortez A4 (125–250 watt) | 16.5" (41.9 cm) | 7.9" (20.1 cm) | 8.0" (20.3 cm) |
| HPMXSHELF | | DeSoto M80 (75–225 watt) | 16.5" (41.9 cm) | 7.9" (20.1 cm) | 8.0" (20.3 cm) |
| HPLMSHELF | | DeSoto M80 (300–450 watt) | 27.5" (69.8 cm) | 8.0" (20.3 cm) | 7.9" (20.0 cm) |



HOLOPHANE®

NAVIGATOR® SERIES

Life Safety Products

EMERGENCY
NAVIGATOR SERIES
 Accessories



Wire Guard

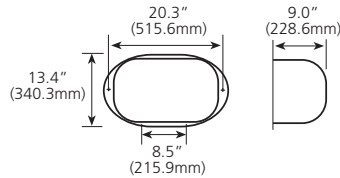


Mounting Shelf



Polycarbonate Shield

PVS | Polycarbonate Shield



Dimensions

| | |
|----------------|--|
| Inside | 19.2" x 12.1" x 8.9" (48.8cm x 30.7cm x 22.6cm) |
| Outside | 19.4" x 12.3" x 9" (49.3cm x 31.2cm x 22.9cm) |

Unit compatible with all exits (except two head units), Cortez A1, A6

Accessories General Description

The following chart describes each available accessory for HoloPhane's Magellan exit signs. All accessories are ordered separately. The compatibility chart designates the exit sign series that each accessory can be used with.

Magellan Series Accessories

Compatibility Chart

| Order Code | Description | Magellan "QT" | Magellan "EC" | Magellan "ST" |
|------------------------|-----------------------------|---------------|---------------|---------------|
| TPTOOL | Tamperproof screwdriver | • | • | • |
| WG | Wire guard combo | | | • |
| WG4 | Wire guard wall mount | • | • | • |
| WG5 | Wire guard combo wall mount | • | | |
| WG10 | Wire guard end mount | • | • | • |
| PVS | Polycarbonate vandal shield | • | • | • |
| SPKIT12WH ¹ | 12" Pendant kit, white | • | | |
| SPKIT12BK ¹ | 12" Pendant kit, black | • | | |
| XPKITW ¹ | 12" Pendant kit, white | | | • |
| XPKITB ¹ | 12" Pendant kit, black | | | • |
| XCKITW | Mounting canopy, white | | | • |
| XCKITB | Mounting canopy, black | | | • |
| CXPKITWH | Pendant kit, white | | • | • |
| CXPKITBK | Pendant kit, black | | • | |

Notes: 1 For pendant kits longer than 12" place the desired length (in increments of 1") at the end of the pendant kit order code. Consult factory for more than four feet

Contact your local sales rep for the most current option and accessory compatibility.

NAVIGATOR SERIES

LR Series Remote Lamp Heads

LR

FEATURES:

- 6 Volt or 12 Volt operation
- Choice of construction
- Par 36 Sealed Beam or T-5 Wedge Base Lamps



Example: LR NR SH

How to Construct a Catalog Number

| LR | NR | SH |
|---------------------|----------------|--|
| 1 | 2 | 3 |
| SERIES | LAMP HEAD TYPE | OPTION (FACTORY INSTALLED) |
| LR Lamp head remote | See page 213 | SH Shatter resistant Lexan® shield (Class I, Div. 2 and NEMA Lexan sealed beam heads only) |

Round Head

Thermoplastic, Sealed beam Par 36 or Wedge Base



- White, black or tan (matching mounting plates available)
- Available with 6 volt or 12 volt sealed beam Par 36 or wedge base, tungsten or halogen lamp
- Lamps are easily replaced by removing the snap-in retainer ring
- UL 94V-0 flame retardant thermoplastic construction

Round Head

Metal Chrome Sealed Beam Par 36



- Required for Chicago and New York City approved units
- Available with 6 volt or 12 volt sealed beam tungsten or halogen lamps
- Constructed of chrome plated steel

Rectangular Head

Lexan® Wedge Base



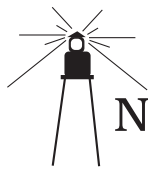
- White, black or tan (matching mounting plates available)
- Constructed of Lexan 500® polycarbonate material
- Features 6 volt or 12 volt tungsten T-5 wedge base lamps
- Lamps are easily replaced by removing snap-in lens

Industrial

Lexan® Sealed Beam Par 36



- Suitable for NEMA and Class I, Division II applications
- Lamp heads are fully gasketed
- Optional shatter-resistant shield available for food service applications
- Constructed of industrial gray GE Lexan® polycarbonate
- Available with 6 volt or 12 volt Par 36 sealed beam tungsten or halogen lamps



HOLOPHANE®

NAVIGATOR® SERIES

Life Safety Products

EMERGENCY
NAVIGATOR SERIES
Remote Lamp Heads

NOTE: LR prefix is not used when specifying a lamphed as part of a unit catalog number.

| | | Voltage | Wattage | Catalog Number Thermoplastic | | | Replacement Holophane Number | Lamp Number ANSI | |
|---|----------|---------|---------|------------------------------|------------|-----------|------------------------------|------------------|------|
| | | | | White | Black | Tan | | | |
| Thermoplastic wedge base round | Tungsten | 6 | 5.4 | LRWTA | LRBTA | LRDTA | 19-2-54 | 939 | |
| | | 12 | 7.2 | LRWTD | LRBTD | LRDTD | 19-2-58 | 927 | |
| | | | 9.0 | LRWTB | LRBTB | LRDTB | 19-2-45 | 908 | |
| | Halogen | 6 | 12.5 | LRWTC | LRBTC | LRDTC | 19-2-53 | 915 | |
| | | | 18.0 | LRWTE | LRBTE | LRDTE | 19-2-62 | 922 | |
| | | 12 | 12.0 | LRWTF | LRBTF | LRDTF | 19-2-61 | 921 | |
| Lexan® wedge base rectangular | Tungsten | 6 | 5.4 | LRHS6 | LRHS6B | LRHS6T | 19-2-54 | 939 | |
| | | 12 | 7.2 | LRHS7 | LRHS7B | LRHS7T | 19-2-58 | 927 | |
| | | | 9.0 | LRHS9 | LRHS9B | LRHS9T | 19-2-45 | 908 | |
| | Halogen | 6 | 12.5 | LRHT9 | LRHT9B | LRHT9T | 19-2-53 | 915 | |
| | | | 18.0 | LRHT12 | LRHT12B | LRHT12T | 19-2-62 | 922 | |
| | | 12 | 12.0 | LRHT18 | LRHT18B | LRHT18T | 19-2-61 | 921 | |
| Thermoplastic sealed beam PAR 36 | Tungsten | 6 | 8.0 | LRWY | LRBY | LRDY | 19-1-7613 | 7613 | |
| | | | 12 | 18.0 | LRWA | LRBA | LRDA | 19-1-4014 | 4014 |
| | | | | 25.0 | LRWL | LRBL | LRDL | 19-1-4510 | 4510 |
| | | Halogen | 6 | 30.0 | LRWC | LRBC | LRDC | 19-1-4515 | 4515 |
| | | | | 12.0 | LRWNY | LRBNY | LRDNY | 19-1-4044 | 4044 |
| | | | 18.0 | LRWE | LRBE | LRDE | 19-1-4414 | 4414 | |
| | 12 | 6 | 25.0 | LRWK | LRBK | LRDK | 19-1-4446 | 4446 | |
| | | | 30.0 | LRWG | LRBG | LRDG | 19-1-4405 | 4405 | |
| | | 12 | 8.0 | LRWQ | LRBQ | LRDQ | 19-1-7551 | 7551 | |
| | | | 12.0 | LRWCHY | LRBCHY | LRDCHY | 19-1-7553 | 7553 | |
| | | 12 | 8.0 | LRWD | LRBD | LRDD | 19-1-7555 | 7555 | |
| | | | 12.0 | LRWB | LRBB | LRDB | 19-1-7557 | 7557 | |
| Lamp head type chrome metal | | | | | | | | | |
| Metal chrome sealed beam PAR 36 | Tungsten | 6 | 6.0 | LRF | | | 19-1-7556 | 7556 | |
| | | | 12 | 8.0 | LRV | | | 19-1-7613 | 7613 |
| | | | | 18.0 | LRA | | | 19-1-4014 | 4014 |
| | | Halogen | 6 | 25.0 | LRL | | | 19-1-4510 | 4510 |
| | | | | 30.0 | LRC | | | 19-1-4515 | 4515 |
| | | | 12 | 12.0 | LRNY | | | 19-1-4044 | 4044 |
| | 12 | 6 | 18.0 | LRE | | | 19-1-4414 | 4414 | |
| | | | 25.0 | LRK | | | 19-1-4446 | 4446 | |
| | | 30.0 | LRG | | | 19-1-4405 | 4405 | | |
| | | 12 | 8.0 | LRQ | | | 19-1-7551 | 7551 | |
| | | | 12.0 | LRCHY | | | 19-1-7553 | 7553 | |
| | | 12 | 8.0 | LRD | | | 19-1-7555 | 7555 | |
| 12 | 12.0 | LRB | | | 19-1-7557 | 7557 | | | |
| | 30.0 | LRM | | | 19-1-H4405 | H4405 | | | |
| 12 | 50.0 | LRH | | | 19-1-7614 | 7614 | | | |
| | 50.0 | LRN | | | 19-1-H7614 | H7614 | | | |
| Catalog Number¹ Class I, Div 2 NEMA Rated | | | | | | | | | |
| Lexan® sealed beam PAR 36 | Tungsten | 6 | 8.0 | LRNA | LRNM | | 19-1-7613 | 7613 | |
| | | | 12 | 18.0 | LRNB | LRNN | | 19-1-4014 | 4014 |
| | | | | 25.0 | LRNC | LRNO | | 19-1-4510 | 4510 |
| | | Halogen | 6 | 30.0 | LRND | LRNP | | 19-1-4515 | 4515 |
| | | | | 12.0 | LRNE | LRNQ | | 19-1-4044 | 4044 |
| | | | 18.0 | LRNF | LRNR | | 19-1-4414 | 4414 | |
| | 12 | 6 | 25.0 | LRNG | LRNS | | 19-1-4446 | 4446 | |
| | | | 30.0 | LRNH | LRNT | | 19-1-4405 | 4405 | |
| | | 12 | 6.0 | LRZY | LRNZ | | 19-1-7556 | 7556 | |
| | | | 8.0 | LRNI | LRNU | | 19-1-7551 | 7551 | |
| | | 12 | 12.0 | LRNJ | LRNV | | 19-1-7553 | 7553 | |
| | | | 8.0 | LRNK | LRNW | | 19-1-7555 | 7555 | |
| 12.0 | LRNL | LRNX | | 19-1-7557 | 7557 | | | | |


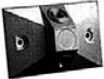


1 To order Lexan® shatter-resistant lamp head shields, add suffix "SH" to the selected head type
Lexan® is a registered trademark of General Electric Company



NAVIGATOR SERIES Mounting Plates OB

Example: OB MBLK1 WP

How to Construct a Catalog Number

| LR | | MBLK1 | | WP | | |
|---|--|--------------------------|--------------------|----------------------------|---|-------------------------|
| 1 | | 2 | | 3 | | |
| SERIES | | MOUNTING | | OPTION (FACTORY INSTALLED) | | |
| OB | Mounting Plate | See chart below | | WP | Weatherproof gasket (5" round thermoplastic only) | |
| Compatible lamp head types | | Thermoplastic wedge base | Lexan rectangular | Thermoplastic sealed beam | Chrome metal | Round Lexan sealed beam |
| Rectangular Chrome Single Head (fits single gang wall box) | | MP1 | MP1 | MP1 | MP1S | MP1 |
| Double Head (fits three gang wall box) | | MP3 | MP3 | MP3 | MP3S | MP3 |
|  | Round Cast Aluminum w/Weatherproof Gasket Single Head | CRMP1WP | CRMP1WP | CRMP1WP | MP1WP | CRMP1WP |
| | Double Head (fits 3" or 4" round box) | CRMP2WP | CRMP2WP | CRMP2WP | MP2WP | CRMP2WP |
|  | Rectangular Cast Aluminum w/Weatherproof Gasket Single Head | CSMP1WP | CSMP1WP | CSMP1WP | MP1RWP | CSMP1WP |
| | Double Head (fits single gang box) | CSMP2WP | CSMP2WP | CSMP2WP | MP2RWP | CSMP2WP |
|  | 5" Round Thermoplastic (fits single gang box) Single Head Tan | MB1 ¹ | MB1 ¹ | MB1 ¹ | | |
| | Single Head White | MW1 ¹ | MW1 ¹ | MW1 ¹ | | |
| | Single Head Black | MBLK1 ¹ | MBLK1 ¹ | MBLK1 ¹ | | |
| | Single Head Gray | MG1 | MG1 | MG1 | | MG1WP |
|  | 5" Round Thermoplastic – Mounting holes @ 90° (fits single gang box) Double Head Tan | MB2 ¹ | MB2 ¹ | MB2 ¹ | | |
| | Double Head White | MW2 ¹ | MW2 ¹ | MW2 ¹ | | |
| | Double Head Black | MBLK2 ¹ | MBLK2 ¹ | MBLK2 ¹ | | |
| | Double Head Gray w/wp gasket | MG2 | MG2 | MG2 | | MG2WP |
| | 5" Round Thermoplastic – Mounting holes @ 45° (not shown) (fits 3.5 octagon box) Double Head White | MW2S ¹ | MW2S ¹ | MW2S ¹ | | |
| | Double Head Gray w/wp gasket | MG2S ¹ | MG2S ¹ | MG2S ¹ | | MG2S |

1 Add "WP" for weatherproof gasket

Lexan® is a registered trademark of the General Electric Company.

HOLOPHANE®
NAVIGATOR® SERIES
Life Safety Products

EMERGENCY
NAVIGATOR SERIES
Mounting Plates



*Mounting Plate: OBMW1
with lamphead (1) LRHS6*



*Mounting Plate: OBMP1S
with lamphead (1) LRE*



*Mounting Plate: OBDMP2R with
lamphead (2) LRNY*



*Mounting Plate: OBMP3
with lamphead (2) LRNA*

NAVIGATOR SERIES NAV-Check

NA | NK

Example: NA

How to Construct a Catalog Number NA

1

SERIES

- NA¹ NAV-Check Self Diagnostics with audible alarm
- NK¹ NAV-Check Self Diagnostics with visual indicators only

1 To order, add above suffix to unit catalog number

NA | NK NAV-Check



Automatic Tests

- Monitors battery voltage, lamp continuity, supplied utility power and unit performance, every 10 seconds.
- Energizes lamps and discharges battery for 3 minutes every 30 days.
- Energizes lamps and discharges battery for 30 minutes every six months.

Manual Tests

- Select battery discharge and energize lamps for 3, 30 or 90 minutes.
- Any of the manual tests can be interrupted and the unit reset by pressing the "test" and "select" buttons simultaneously.
- If NAV-Check with optional audible alarm is ordered, the alarm will sound for the first 10 seconds during the 90 minute test to verify operation of the alarm followed by the complete 90 minute battery discharge and lamp illumination test.
- If NAV-Check is ordered for use on exit with fire alarm interface, the exit will flash during 90 minute manual test.

Most fire safety codes require that a functional test be conducted on emergency lighting equipment at 30 day intervals for a minimum of 30 seconds. Additionally an annual test must be conducted for a 90 minute duration. The Nav-Check Self-Diagnostics option assists the user in meeting these requirements. Nav-Check is available on the following Navigator Series products: Cortez A1, A4, A10; DeLeon HD; DeSoto M60, M70, M80; Magellan ST.

FEATURES:

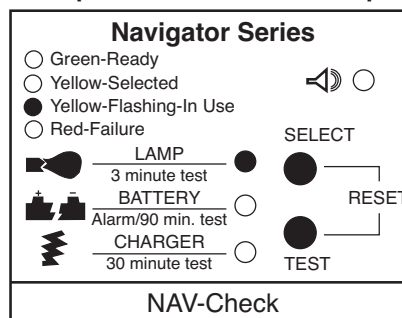
- Battery voltage, lamp continuity, supplied utility power and charger circuitry are all monitored every 10 seconds without discharging battery or energizing lamps
- Microprocessor based circuitry
- Dedicated tri-color LEDs automatically indicate battery, lamp and charger status
- Less than 1 watt of power consumption
- Ships factory preset – No field adjustment required
- Lockout feature permits battery to recharge for 24 hours after power outage or diagnostic tests before illuminating battery failure LED indicator



Manual Testing Modes

In addition to the automatic test, three manual tests may be conducted to verify all functions as follows:

Example A: 3 Minute Test Sequence (All Functions)

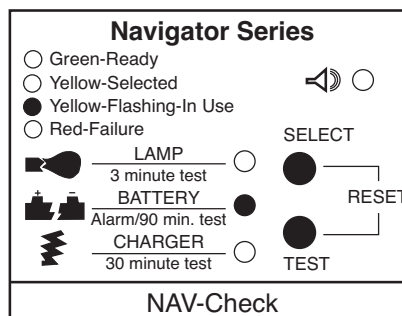


Press SELECT until 3 minute test LED illuminates yellow. Press TEST to begin diagnostic testing*. (Yellow LED will flash during test.)

3 minute test compares actual to preset battery open circuit voltage/discharge performance, and lamp circuit continuity. Should a failure be detected anytime during the test, the yellow LED will change to red.

NOTE: Lamp heads are illuminated during this test.

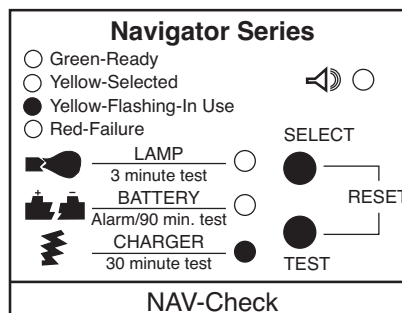
Example B: Alarm (NA only)/90 Minute Tests



Press SELECT until Alarm/90 Minute Tests LED illuminates yellow. Press TEST to begin diagnostic testing*. (Yellow LED will flash during test.) Unit alarm (NA only) will sound for 10 seconds to verify operation of alarm followed by a complete 90 minute battery discharge and lamp illumination test. If exit is equipped with fire alarm interface, the exit will flash. An intermittent tone (NA only) will be heard during duration of test cycle.

NOTE: Lamp heads are illuminated during this test.

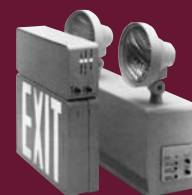
Example C: 30 Minute Test Sequence (All Functions)



Press SELECT until 30 Minute Test illuminates yellow. Press TEST to begin diagnostic testing*. (Yellow LED will flash during test.) 30 minute test compares actual to preset battery open circuit voltage/discharge performance will sound.

NOTE: Lamp heads are illuminated during this test.

* Any of the manual tests can be interrupted and unit reset by pressing TEST and SELECT simultaneously.

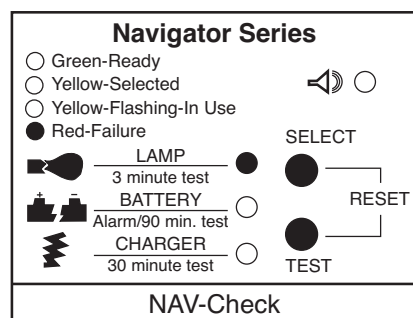


Magellan exit and Cortez emergency unit with NAV-Check self-diagnostics

Automatic Testing Modes

If component failure is detected during either the 10 second, 3 minute or 30 minute automatic tests, one of the following fault indications will occur:

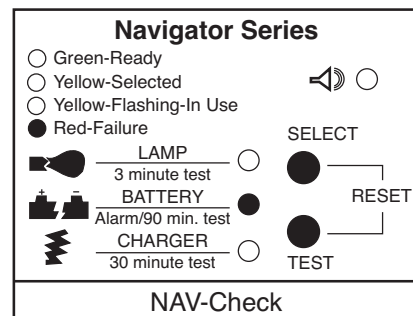
Example A: Lamp Circuit Failure



Lamp Alarm LED changes from green to red and optional audible alarm emits an intermittent tone for 15 minutes.

ACTION: Correct problem, press SELECT and TEST switches simultaneously to reset unit.

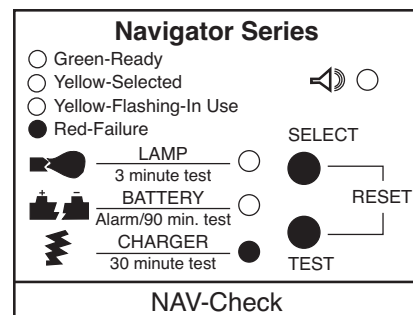
Example B: Battery Failure



Battery Alarm LED changes from green to red and optional audible alarm emits an intermittent tone for 15 minutes.

ACTION: Correct problem, press SELECT and TEST switches simultaneously to reset unit.

Example C: Charger Circuit Failure



Charger Alarm LED changes from green to red and optional audible alarm emits an intermittent tone for 15 minutes.

ACTION: Correct problem, press SELECT and TEST switches simultaneously to reset unit.

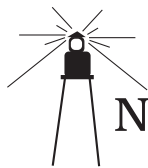
HOLOPHANE® Load Capacity Matrix

NAVIGATOR SERIES

Rated Illumination Time: Hours of Light to 87.5% of Initial Battery Voltage¹

| Unit | Total DC Watts | Adj. Unit Watts | Hours of Light | Lamp Watts | | | | | | | | | |
|------------------|----------------|-----------------|----------------|------------|----|----|------|----|----|----|-----|----|-----|
| | | | | 30 | 25 | 18 | 12.5 | 12 | 9 | 8 | 7.2 | 6 | 5.4 |
| Cortez A1 | | | | | | | | | | | | | |
| C1618 | 18 | 18 | 1.5 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| and | | 13.5 | 2 | | | | | 1 | 1 | 1 | 1 | 2 | 2 |
| C16N18 | | 7 | 4 | | | | | | | | | 1 | 1 |
| C1625 and | 25 | 25 | 1.5 | | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |
| C16N25 | | 19 | 2 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| C1636 | 36 | 36 | 1.5 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 |
| | | 27 | 2 | | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 4 | 5 |
| | | 14 | 4 | | | | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| | | 7.2 | 8 | | | | | | | | 1 | 1 | 1 |
| C1650 | 50 | 50 | 1.5 | 1 | 2 | 2 | 3 | 4 | 5 | 6 | 6 | 8 | 9 |
| and | | 37.5 | 2 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 |
| C16N50 | | 19 | 4 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| | | 10 | 8 | | | | | | 1 | 1 | 1 | 1 | 1 |
| C11236 | 36 | 36 | 1.5 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 |
| | | 27 | 2 | | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 4 | 5 |
| | | 14 | 4 | | | | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| | | 7.2 | 8 | | | | | | | | 1 | 1 | 1 |
| C11250 | 50 | 50 | 1.5 | 1 | 2 | 2 | 3 | 4 | 5 | 6 | 6 | 8 | 9 |
| and | | 37.5 | 2 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 |
| C112N50 | | 19 | 4 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| | | 10 | 8 | | | | | | 1 | 1 | 1 | 1 | 1 |
| Cortez A4 | | | | | | | | | | | | | |
| C4CT36 | 36 | 36 | 1.5 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 |
| | | 27 | 2 | | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 4 | 5 |
| | | 14 | 4 | | | | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| | | 7.2 | 8 | | | | | | | | 1 | 1 | 1 |
| C4CT50 | 50 | 50 | 1.5 | 1 | 2 | 2 | 3 | 4 | 5 | 6 | 6 | 8 | 9 |
| | | 37.5 | 2 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 |
| | | 19 | 4 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| | | 10 | 8 | | | | | | 1 | 1 | 1 | 1 | 1 |
| C4CT100 | 100 | 100 | 1.5 | 3 | 4 | 5 | 7 | 8 | 11 | 12 | 13 | 16 | 18 |
| | | 75 | 2 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 10 | 12 | 13 |
| | | 38 | 4 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 7 |
| | | 20 | 8 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| C4CT150 | 150 | 150 | 1.5 | 5 | 6 | 8 | 11 | 12 | 16 | 18 | 20 | 25 | 27 |
| and | | 112.5 | 2 | 3 | 4 | 6 | 8 | 9 | 12 | 14 | 15 | 18 | 20 |
| C4NT150 | | 72 | 4 | 1 | 2 | 3 | 4 | 4 | 6 | 7 | 7 | 9 | 10 |
| | | 25.5 | 8 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 5 | 5 |
| C4NT50 | 50 | 50 | 1.5 | 1 | 2 | 2 | 3 | 4 | 5 | 6 | 6 | 8 | 9 |
| | | 37.5 | 2 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 |
| | | 19 | 4 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| | | 10 | 8 | | | | | | 1 | 1 | 1 | 1 | 1 |

¹ Per NEC



HOLOPHANE®

NAVIGATOR® SERIES

Life Safety Products

HOLOPHANE®

LOAD CAPACITY MATRIX

Rated Illumination Time: Hours of Light to 87.5% of Initial Battery Voltage¹

| Unit | Total DC Watts | Adj. Unit Watts | Hours of Light | Lamp Watts | | | | | | | | | | |
|----------------------------|----------------|-----------------|----------------|------------|----|----|------|----|----|----|-----|----|-----|----|
| | | | | 30 | 25 | 18 | 12.5 | 12 | 9 | 8 | 7.2 | 6 | 5.4 | |
| Cortez A4 Continued | | | | | | | | | | | | | | |
| C4CT250 | 250 | 250 | 1.5 | 8 | 10 | 13 | 19 | 20 | 27 | 31 | 34 | 41 | 46 | |
| | | | 187.5 | 2 | 6 | 7 | 10 | 14 | 15 | 20 | 23 | 26 | 31 | 34 |
| | | | 95 | 4 | 3 | 3 | 5 | 7 | 7 | 10 | 11 | 13 | 15 | 17 |
| C4C18 | 18 | 18 | 1.5 | | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| | | | 13.5 | 2 | | | | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| | | | 7 | 4 | | | | | | | | | 1 | 1 |
| C4C25 | 25 | 25 | 1.5 | | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | |
| | | | 19 | 2 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| | | | 9.5 | 4 | | | | | | 1 | 1 | 1 | 1 | 1 |
| C4C36 | 36 | 36 | 1.5 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 | |
| | | | 27 | 2 | | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 4 | 5 |
| | | | 14 | 4 | | | | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| C4C50 | 50 | 50 | 1.5 | 1 | 2 | 2 | 3 | 4 | 5 | 6 | 6 | 8 | 9 | |
| | | | 37.5 | 2 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 |
| | | | 19 | 4 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| C4C75 | 75 | 75 | 1.5 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 10 | 12 | 13 | |
| | | | 56.5 | 2 | 1 | 2 | 3 | 4 | 4 | 6 | 7 | 7 | 9 | 10 |
| | | | 28.5 | 4 | | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 4 | 5 |
| C4C100 | 100 | 100 | 1.5 | 3 | 4 | 5 | 7 | 8 | 11 | 12 | 13 | 16 | 18 | |
| | | | 75 | 2 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 10 | 12 | 13 |
| | | | 38 | 4 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 7 |
| C4C125 | 125 | 125 | 1.5 | 4 | 5 | 6 | 9 | 10 | 13 | 15 | 17 | 20 | 23 | |
| | | | and 94 | 2 | 3 | 3 | 5 | 7 | 7 | 10 | 11 | 13 | 15 | 17 |
| | | | C4NT125 | 47.5 | 4 | 1 | 1 | 2 | 3 | 3 | 5 | 5 | 6 | 7 |
| C4N25 | 25 | 25 | 1.5 | | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | |
| | | | and 19 | 2 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| | | | C4NT25 | 9.5 | 4 | | | | | 1 | 1 | 1 | 1 | 1 |
| Cortez A5 | | | | | | | | | | | | | | |
| CZA5C12 | 12 | 12 | 1.5 | | | | | 1 | 1 | 1 | 1 | 2 | 2 | |
| | | | 9 | 2 | | | | | | 1 | 1 | 1 | 1 | 1 |
| CZA512 | 12 | 12 | 1.5 | | | | | 1 | 1 | 1 | 1 | 2 | 2 | |
| | | | 9 | 2 | | | | | | 1 | 1 | 1 | 1 | 1 |
| CZA526 | 26 | 26 | 1.5 | | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | |
| | | | 19.5 | 2 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| | | | 12.5 | 4 | | | | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| Cortez A6 | | | | | | | | | | | | | | |
| CZA618L | 18 | 18 | 1.5 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 2 | |
| | | | 13.5 | 2 | | | | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| | | | 7 | 4 | | | | | | | | | 1 | 1 |
| CZA614N | 14 | 14 | 1.5 | | | | | 1 | 1 | 1 | 1 | 2 | 2 | |
| | | | 10.5 | 2 | | | | | | 1 | 1 | 1 | 1 | 1 |
| CZA625L | 25 | 25 | 1.5 | | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | |
| | | | 18.75 | 2 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| | | | 9.375 | 4 | | | | | | 1 | 1 | 1 | 1 | 1 |
| CZA628N | 28 | 28 | 1.5 | | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 4 | 5 | |
| | | | 21 | 2 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| | | | 10.5 | 4 | | | | | | 1 | 1 | 1 | 1 | 1 |
| Cortez Z10 | 14 | 14 | 1.5 | | | | | 1 | 1 | 1 | 1 | 2 | 2 | |
| | | | 10.5 | 2 | | | | | | 1 | 1 | 1 | 1 | 1 |
| | | | 4 | | | | | | | | | | | |
| CZ1025 | 25 | 25 | 1.5 | | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 | 2 | |
| | | | and 19 | 2 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| | | | CZ1028 | 9.5 | 4 | | | | | | 1 | 1 | 1 | 2 |

¹ Per NEC

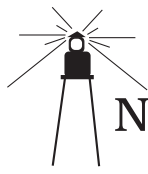
HOLOPHANE® Load Capacity Matrix

NAVIGATOR SERIES

Rated Illumination Time: Hours of Light to 87.5% of Initial Battery Voltage¹

| Unit | Total DC Watts | Adj. Unit Watts | Hours of Light | Lamp Watts | | | | | | | | | | |
|-----------------------------|----------------|-----------------|----------------|------------|----|----|------|----|----|----|-----|----|-----|----|
| | | | | 30 | 25 | 18 | 12.5 | 12 | 9 | 8 | 7.2 | 6 | 5.4 | |
| Cortez Z10 Continued | | | | | | | | | | | | | | |
| CZ1050 | 50 | 50 | 1.5 | 1 | 2 | 2 | 3 | 4 | 5 | 6 | 6 | 8 | 9 | |
| | | | 37.5 | 2 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 |
| | | | 19 | 4 | | | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |
| | | | 10 | 8 | | | | | | 1 | 1 | 1 | 1 | 1 |
| DeSoto M60 | | | | | | | | | | | | | | |
| DM6N25S | 25 | 25 | 1.5 | | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | |
| | | | 19 | 2 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| | | | 12 | 4 | | | | | 1 | 1 | 1 | 1 | 2 | 2 |
| DM6N50S | 50 | 50 | 1.5 | 1 | 2 | 2 | 3 | 4 | 5 | 6 | 6 | 8 | 9 | |
| | | | 37.5 | 2 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 |
| | | | 24 | 4 | | | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |
| | | | 8.5 | 8 | | | | | | | 1 | 1 | 1 | 1 |
| DM6N70S | 70 | 70 | 1.5 | 2 | 2 | 3 | 5 | 5 | 7 | 8 | 9 | 11 | 12 | |
| | | | 52.5 | 2 | 1 | 2 | 2 | 4 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | | 33.6 | 4 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 |
| | | | 11.9 | 8 | | | | | | | 1 | 1 | 1 | 2 |
| DM6C28S | 28 | 28 | 1.5 | | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 4 | 5 | |
| | | | 21 | 2 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| | | | 13.5 | 4 | | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| DM6C50S | 50 | 50 | 1.5 | 1 | 2 | 2 | 3 | 4 | 5 | 6 | 6 | 8 | 9 | |
| | | | 37.5 | 2 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 |
| | | | 24 | 4 | | | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |
| | | | 8.5 | 8 | | | | | | | 1 | 1 | 1 | 1 |
| DM6C75S and DM6N75T | 75 | 75 | 1.5 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 10 | 12 | 13 | |
| | | | 56.5 | 2 | 1 | 2 | 3 | 4 | 4 | 6 | 7 | 7 | 9 | 10 |
| | | | 28.5 | 4 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 |
| | | | 15 | 8 | | | | | 1 | 1 | 1 | 1 | 2 | 2 |
| DM6C100S | 100 | 100 | 1.5 | 3 | 4 | 5 | 7 | 8 | 11 | 12 | 13 | 16 | 18 | |
| | | | 75 | 2 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 10 | 12 | 13 |
| | | | 48 | 4 | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 6 | 8 | 8 |
| | | | 17 | 8 | | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| DM6N50T | 50 | 50 | 1.5 | 1 | 2 | 2 | 3 | 4 | 5 | 6 | 6 | 8 | 9 | |
| | | | 37.5 | 2 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 |
| | | | 24 | 4 | | | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |
| | | | 8.5 | 8 | | | | | | | 1 | 1 | 1 | 1 |
| DM6N125T | 125 | 125 | 1.5 | 4 | 5 | 6 | 9 | 10 | 13 | 15 | 17 | 20 | 23 | |
| | | | 94 | 2 | 3 | 3 | 5 | 7 | 7 | 10 | 11 | 13 | 15 | 17 |
| | | | 60 | 4 | 2 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 11 |
| | | | 21.5 | 8 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| DM6C150T | 150 | 150 | 1.5 | 5 | 6 | 8 | 11 | 12 | 16 | 18 | 20 | 25 | 27 | |
| | | | 112.5 | 2 | 3 | 4 | 6 | 8 | 9 | 12 | 14 | 15 | 18 | 20 |
| | | | 72 | 4 | 2 | 2 | 4 | 5 | 6 | 8 | 9 | 10 | 12 | 13 |
| | | | 25.5 | 8 | | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |
| DM6C50T | 50 | 50 | 1.5 | 1 | 2 | 2 | 3 | 4 | 5 | 6 | 6 | 8 | 9 | |
| | | | 37.5 | 2 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 |
| | | | 24 | 4 | | | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |
| | | | 8.5 | 8 | | | | | | | 1 | 1 | 1 | 1 |
| DM6C100T | 100 | 100 | 1.5 | 3 | 4 | 5 | 7 | 8 | 11 | 12 | 13 | 16 | 18 | |
| | | | 75 | 2 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 10 | 12 | 13 |
| | | | 48 | 4 | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 6 | 8 | 8 |
| | | | 17 | 8 | | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| DM6C125T | 125 | 125 | 1.5 | 4 | 5 | 6 | 9 | 10 | 13 | 15 | 17 | 20 | 23 | |
| | | | 94 | 2 | 3 | 3 | 5 | 7 | 7 | 10 | 11 | 13 | 15 | 17 |
| | | | 60 | 4 | 2 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 11 |
| | | | 21.5 | 8 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |

¹ Per NEC



HOLOPHANE®

NAVIGATOR® SERIES

Life Safety Products

HOLOPHANE®

Rated Illumination Time: Hours of Light to 87.5% of Initial Battery Voltage¹

| Unit | Total DC Watts | Adj. Unit Watts | Hours of Light | Lamp Watts | | | | | | | | | |
|-----------------------------|----------------|-----------------|----------------|------------|----|----|------|----|----|----|-----|----|-----|
| | | | | 30 | 25 | 18 | 12.5 | 12 | 9 | 8 | 7.2 | 6 | 5.4 |
| DeSoto M60 Continued | | | | | | | | | | | | | |
| DM6C150T | 150 | 150 | 1.5 | 5 | 6 | 8 | 11 | 12 | 16 | 18 | 20 | 25 | 27 |
| | | 112.5 | 2 | 3 | 4 | 6 | 8 | 9 | 12 | 14 | 15 | 18 | 20 |
| | | 72 | 4 | 2 | 2 | 4 | 5 | 6 | 8 | 9 | 10 | 12 | 13 |
| DM6C180T | 180 | 25.5 | 8 | | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |
| | | 180 | 1.5 | 6 | 7 | 10 | 14 | 15 | 20 | 22 | 25 | 30 | 33 |
| | | 135 | 2 | 4 | 5 | 7 | 10 | 11 | 15 | 16 | 18 | 22 | 25 |
| DM6L120T | 120 | 86.5 | 4 | 2 | 3 | 4 | 6 | 7 | 9 | 10 | 11 | 14 | 15 |
| | | 31 | 8 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 5 | 5 |
| | | 120 | 1.5 | 4 | 4 | 6 | 9 | 10 | 13 | 15 | 16 | 20 | 22 |
| | | 90 | 2 | 3 | 3 | 5 | 7 | 7 | 10 | 11 | 12 | 15 | 16 |
| | | 58 | 4 | 1 | 2 | 3 | 4 | 4 | 6 | 7 | 8 | 9 | 10 |
| | | 20 | 8 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| DeSoto M70 | | | | | | | | | | | | | |
| DM7N25S | 25 | 25 | 1.5 | | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |
| | | 19 | 2 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| | | 12 | 4 | | | | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| DM7N50S | 50 | 50 | 1.5 | 1 | 2 | 2 | 3 | 4 | 5 | 6 | 6 | 8 | 9 |
| | | 37.5 | 2 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 |
| | | 24 | 4 | | | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |
| DM7C25S | 25 | 8.5 | 8 | | | | | | | 1 | 1 | 1 | 1 |
| | | 25 | 1.5 | | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |
| | | 19 | 2 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| DM7C50S | 50 | 12 | 4 | | | | | 1 | 1 | 1 | 1 | 2 | 2 |
| | | 50 | 1.5 | 1 | 2 | 2 | 3 | 4 | 5 | 6 | 6 | 8 | 9 |
| | | 37.5 | 2 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 |
| DM7C100S | 100 | 24 | 4 | | | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |
| | | 8.5 | 8 | | | | | | | 1 | 1 | 1 | 1 |
| | | 100 | 1.5 | 3 | 4 | 5 | 7 | 8 | 11 | 12 | 13 | 16 | 18 |
| DM7C125S | 125 | 75 | 2 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 10 | 12 | 13 |
| | | 48 | 4 | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 6 | 8 | 8 |
| | | 17 | | | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| DM7N125T | 125 | 125 | 1.5 | 4 | 5 | 6 | 9 | 10 | 13 | 15 | 17 | 20 | 23 |
| | | 94 | 2 | 3 | 3 | 5 | 7 | 7 | 10 | 11 | 13 | 15 | 17 |
| | | 60 | 4 | 2 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 11 |
| DM7N25T | 25 | 21.5 | 8 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| | | 25 | 1.5 | | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |
| | | 19 | 2 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| DM7N50T | 50 | 12 | 4 | | | | | 1 | 1 | 1 | 1 | 2 | 2 |
| | | 50 | 1.5 | 1 | 2 | 2 | 3 | 4 | 5 | 6 | 6 | 8 | 9 |
| | | 37.5 | 2 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 |
| DM7N75T | 75 | 24 | 4 | | | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |
| | | 8.5 | 8 | | | | | | | 1 | 1 | 1 | 1 |
| | | 75 | 1.5 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 10 | 12 | 13 |
| DM7N100T | 100 | 56.5 | 2 | 1 | 2 | 3 | 4 | 4 | 6 | 7 | 7 | 9 | 10 |
| | | 28.5 | 4 | | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 4 | 5 |
| | | 15 | 8 | | | | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| DM7N125T | 125 | 100 | 1.5 | 3 | 4 | 5 | 7 | 8 | 11 | 12 | 13 | 16 | 18 |
| | | 75 | 2 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 10 | 12 | 13 |
| | | 48 | 4 | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 6 | 8 | 8 |
| DM7C25T | 25 | 17 | 8 | | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 |
| | | 125 | 1.5 | 4 | 5 | 6 | 9 | 10 | 13 | 15 | 17 | 20 | 23 |
| | | 94 | 2 | 3 | 3 | 5 | 7 | 7 | 10 | 11 | 13 | 15 | 17 |
| DM7C50T | 50 | 60 | 4 | 2 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 11 |
| | | 21.5 | 8 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| | | 25 | 1.5 | | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |
| DM7L120T | 120 | 19 | 2 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |
| | | 12 | 4 | | | | | 1 | 1 | 1 | 1 | 2 | 2 |
| | | 50 | 1.5 | 1 | 2 | 2 | 3 | 4 | 5 | 6 | 6 | 8 | 9 |
| | | 37.5 | 2 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 |
| | | 24 | 4 | | | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 |
| | | 8.5 | 8 | | | | | | | 1 | 1 | 1 | 1 |
| | | 120 | 1.5 | 4 | 4 | 6 | 9 | 10 | 13 | 15 | 16 | 20 | 22 |
| | | 90 | 2 | 3 | 3 | 5 | 7 | 7 | 10 | 11 | 12 | 15 | 16 |
| | | 58 | 4 | 1 | 2 | 3 | 4 | 4 | 6 | 7 | 8 | 9 | 10 |
| | | 20 | 8 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 |

¹ Per NEC

LOAD CAPACITY MATRIX

HOLOPHANE® Load Capacity Matrix

NAVIGATOR SERIES

Rated Illumination Time: Hours of Light to 87.5% of Initial Battery Voltage¹

| Unit | Total DC Watts | Adj. Unit Watts | Hours of Light | Lamp Watts | | | | | | | | | | | |
|-------------------|----------------|-----------------|----------------|------------|----|----|------|----|----|----|-----|----|-----|----|---|
| | | | | 30 | 25 | 18 | 12.5 | 12 | 9 | 8 | 7.2 | 6 | 5.4 | | |
| DeSoto M80 | | | | | | | | | | | | | | | |
| DM8S75 | 75 | 75 | 1.5 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 10 | 12 | 13 | | |
| | | | 56 | 2 | 1 | 2 | 3 | 4 | 4 | 6 | 7 | 7 | 9 | 10 | |
| | | | 28.5 | 4 | | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 4 | 5 |
| | | | 15 | 8 | | | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| DM8S10 | 100 | 100 | 1.5 | 3 | 4 | 5 | 7 | 8 | 11 | 12 | 13 | 16 | 18 | | |
| | | | 75 | 2 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 10 | 12 | 13 | |
| | | | 38 | 4 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 7 | |
| | | | 20 | 8 | | | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | |
| DM8T15 | 150 | 135 | 1.5 | 4 | 5 | 7 | 10 | 11 | 15 | 16 | 18 | 22 | 25 | | |
| | | | 112.5 | 2 | 3 | 4 | 6 | 8 | 9 | 12 | 14 | 15 | 18 | 20 | |
| | | | 57 | 4 | 1 | 2 | 3 | 4 | 4 | 6 | 7 | 7 | 9 | 10 | |
| | | | 30 | 8 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 5 | 5 | |
| DM8T20 | 200 | 180 | 1.5 | 6 | 7 | 10 | 14 | 15 | 20 | 22 | 25 | 30 | 33 | | |
| | | | 150 | 2 | 5 | 6 | 8 | 11 | 12 | 16 | 18 | 20 | 25 | 27 | |
| | | | 96 | 4 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 10 | 12 | 14 | |
| | | | 34 | 8 | 1 | 1 | 2 | 3 | 3 | 4 | 5 | 5 | 6 | 7 | |
| DM8S25 | 225 | 225 | 1.5 | 7 | 9 | 12 | 18 | 18 | 25 | 28 | 31 | 37 | 41 | | |
| | | | 169 | 2 | 5 | 6 | 9 | 13 | 14 | 18 | 21 | 23 | 28 | 31 | |
| | | | 85.5 | 4 | 2 | 3 | 4 | 6 | 7 | 9 | 10 | 11 | 14 | 15 | |
| | | | 45 | 8 | 1 | 1 | 2 | 3 | 3 | 5 | 5 | 6 | 7 | 8 | |
| DM8T30 | 300 | 300 | 1.5 | 10 | 12 | 16 | 24 | 25 | 33 | 37 | 41 | 50 | 55 | | |
| | | | 225 | 2 | 7 | 9 | 12 | 18 | 18 | 25 | 28 | 31 | 37 | 41 | |
| | | | 114 | 4 | 3 | 4 | 6 | 9 | 9 | 12 | 14 | 15 | 19 | 21 | |
| | | | 60 | 8 | 2 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 11 | |
| DM8T45 | 450 | 450 | 1.5 | 15 | 18 | 25 | 36 | 37 | 50 | 56 | 62 | 75 | 83 | | |
| | | | 337.5 | 2 | 11 | 13 | 18 | 27 | 28 | 37 | 42 | 46 | 56 | 62 | |
| | | | 171 | 4 | 5 | 6 | 9 | 13 | 14 | 19 | 21 | 23 | 28 | 31 | |
| | | | 90 | 8 | 3 | 3 | 5 | 7 | 7 | 10 | 11 | 12 | 15 | 16 | |
| DeSoto HZ | | | | | | | | | | | | | | | |
| DSHZ30N | 30 | 30 | 1.5 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 5 | 5 | | |
| | | | 22.5 | 2 | | | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | |
| | | | 14.4 | 4 | | | | 1 | 1 | 1 | 1 | 2 | 2 | 2 | |
| DSHZ50N | 50 | 50 | 1.5 | 1 | 2 | 2 | 3 | 4 | 5 | 6 | 6 | 8 | 9 | | |
| | | | 37.5 | 2 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 5 | 6 | 6 | |
| | | | 24 | 4 | | | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | |
| DSHZ85L | 85 | 85 | 1.5 | 2 | 3 | 4 | 6 | 7 | 9 | 10 | 11 | 14 | 15 | | |
| | | | 63.5 | 2 | 2 | 2 | 3 | 4 | 5 | 7 | 7 | 8 | 10 | 11 | |
| | | | 40.8 | 4 | 1 | 1 | 2 | 3 | 3 | 4 | 5 | 5 | 6 | 7 | |
| | | | 14.45 | 8 | | | | 1 | 1 | 1 | 1 | 2 | 2 | 2 | |

¹ Per NEC

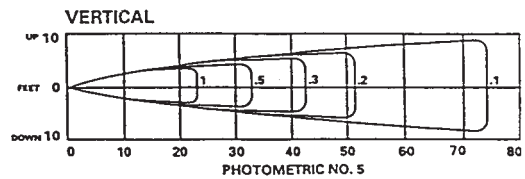
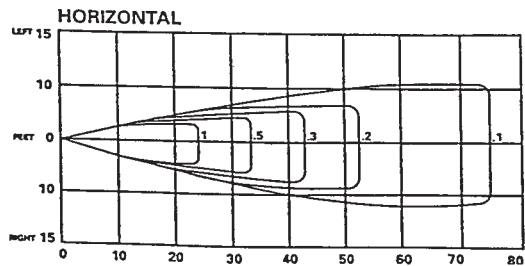
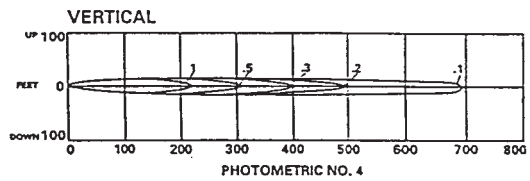
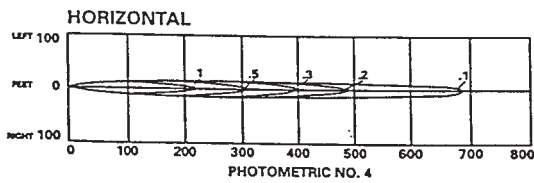
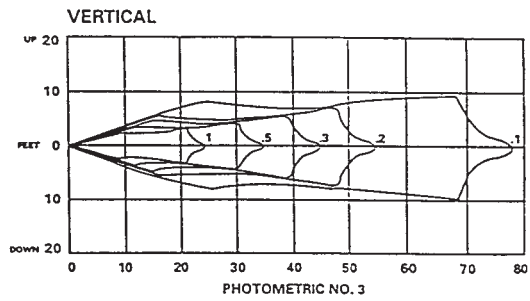
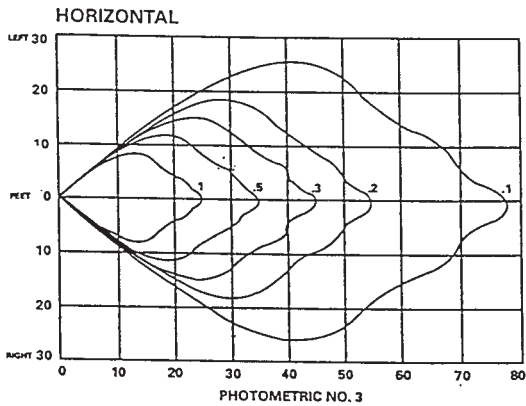
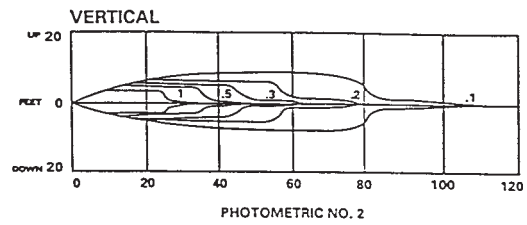
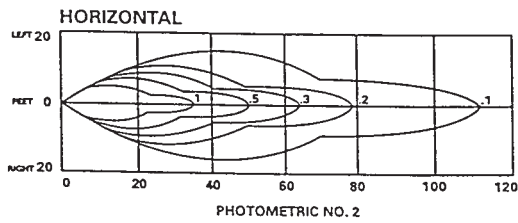
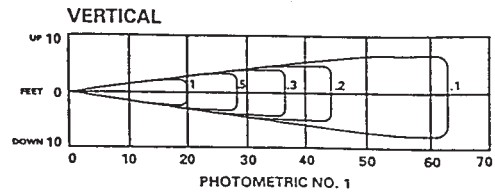
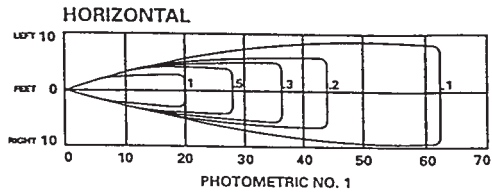
Head Photometrics and Part Number Cross Reference Table

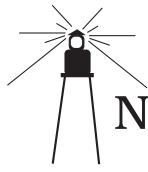
NAVIGATOR SERIES

| Sealed Beam Lamp Type | | | | | | | | | |
|-------------------------------|-------------------------|-------------------------------|--------------|------------|-----------------|---|------------|------------------|-----------------------|
| ISO Footcandle Drawing Number | Voltage/Wattage | Standard Par 36 Thermoplastic | | | Metal Cortez A4 | Par 36 Industrial Lexan® Fully Gasketed | | ANSI Lamp Number | Holophane Part Number |
| | | Beige | White | Black | Chrome | Class I, Div 2 | NEMA Rated | | |
| | | | | | | Gray | | | |
| | 6 Volt Tungsten | | | | | | | | |
| 1 | 9 watt | LRDY | LRWY | LRWY | LRWY | LRNA | LRNM | 7613 | HP19-1-7613 |
| 2 | 18 watt | LRDA | LRWA | LRBQ | LRA | LRNB | LRNN | 4014 | HP19-1-4014 |
| 3 | 25 watt | LRDL | LRWL | LRBL | LRL | LRNC | LRNO | 4510 | HP19-1-4510 |
| 4 | 30 watt | LRDC | LRWC | LRBC | LRC | LRND | LRNP | 4515 | HP19-1-4515 |
| | 6 Volt Halogen | | | | | | | | |
| 5 | 8 watt | LRDQ | LRWQ | LRBQ | LRQ | LRNI | LRNU | 7551 | HP19-1-7551 |
| 6 | 12 watt | LRDCHY | LRWCHY | LRBCHY | LRCHY | LRNJ | LRNV | 7553 | HP19-1-7553 |
| | 12 Volt Tungsten | | | | | | | | |
| 7 | 12 watt | LRDNY | LRWNY | LRBNY | LRNY | LRNE | LRNQ | 4044 | HP19-1-4044 |
| 2 | 18 watt | LRDE | LRWE | LRBE | LRE | LRNF | LRNR | 4414 | HP19-1-4414 |
| 8 | 25 watt | LRDK | LRWK | LRBK | LRK | LRNG | LRNS | 4446 | HP19-1-4446 |
| 4 | 30 watt | LRDG | LRWG | LRBG | LRG | LRNH | LRNT | 4405 | HP19-1-7557 |
| | 12 Volt Halogen | | | | | | | | |
| 5 | 8 watt | LRDD | LRWD | LRBD | LRD | LRNK | LRNW | 7555 | HP19-1-7555 |
| 8 | 12 watt | LRDB | LRWB | LRBB | LRB | LRNL | LRNX | 7557 | HP19-1-7557 |
| Wedge Base Lamp Type | | Thermoplastic Round | | | | | | | |
| | 6 Volt Tungsten | | | | | | | | |
| 9 | 5.4 watt | LRDTA | LRWTA | LRBTA | | | | 939 | HP19-2-54 |
| 10 | 7.2 watt | LRDTD | LRWRD | LRBTD | | | | 927 | HP19-2-58 |
| 11 | 9 watt | LRDTB | LRWTB | LRBTB | | | | 908 | HP19-2-45 |
| | 6 Volt Halogen | | | | | | | | |
| 12 | 7 watt | LRDTS | LRWTS | LRBTS | | | | ERM | HP19-2-83 |
| 13 | 10 watt | LRDTN | LRWTN | LRBTN | | | | ERN | HP19-2-82 |
| 14 | 12 watt | LRDTT | LRWIT | LRBTT | | | | ERK | HP19-2-84 |
| | 12 Volt Tungsten | | | | | | | | |
| 15 | 9 watt | LRDTC | LRWTC | LRBTC | | | | 915 | HP19-2-53 |
| 16 | 12.5 watt | LRDTE | LRWTE | LRBTE | | | | 922 | HP19-2-62 |
| 17 | 18 watt | LRDTF | LRWTF | LRBTF | | | | 921 | HP19-2-61 |
| | 12 Volt Halogen | | | | | | | | |
| 18 | 12 watt | | LRWTV | LRBTV | | | | ERB | HP19-2-85 |
| Wedge Base Lamp Type | | Lexan® Rectangular | | | | | | | |
| | | White | Black | Tan | | | | | |
| | 6 Volt Tungsten | | | | | | | | |
| 19 | 5.4 watt | LRHS6A | LRHS6B | LRHS6T | | | | 939 | HP19-2-54 |
| 20 | 7.2 watt | LRHS7 | LRHS7B | LRHS7T | | | | 927 | HP19-2-58 |
| 21 | 9 watt | LRHS9 | LRHS9B | LRHS9T | | | | 908 | HP19-2-45 |
| | 12 Volt Tungsten | | | | | | | | |
| 22 | 9 watt | LRHT9 | LRHT9B | LRHT9T | | | | 915 | HP19-2-53 |
| 23 | 12.5 watt | LRHT12 | LRHT12B | LRHT12T | | | | 922 | HP19-2-62 |
| 24 | 18 watt | LRHT18 | LRHT18B | LRHT18T | | | | 921 | HP19-2-61 |

Note: LR prefix is not used when specifying lamp as part of a unit catalog number. Lexan® is a registered trademark of General Electric Co.

NAVIGATOR SERIES



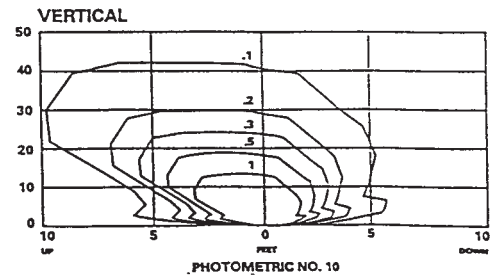
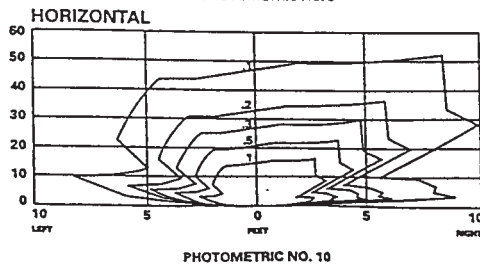
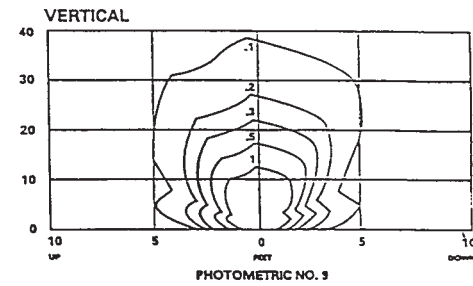
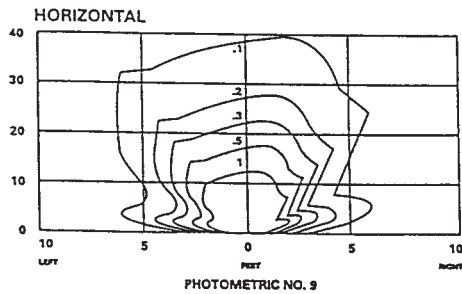
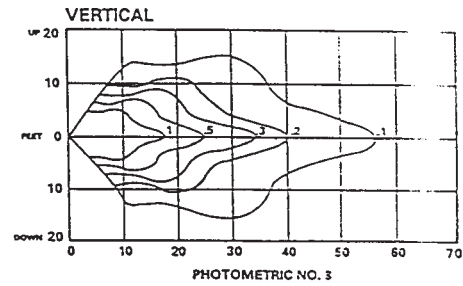
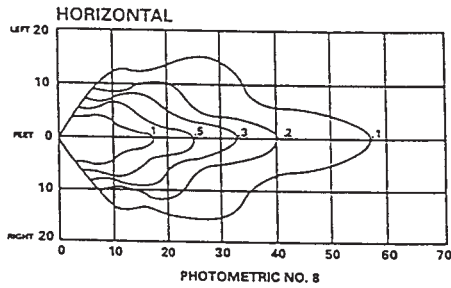
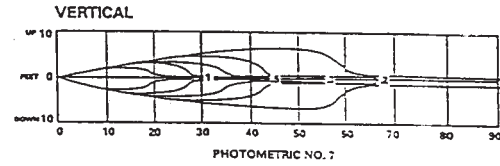
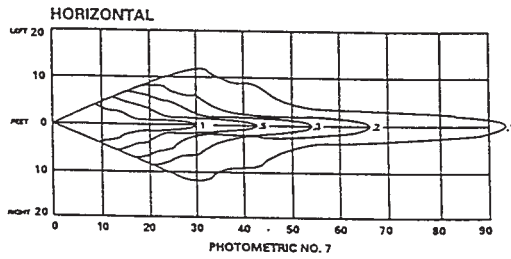
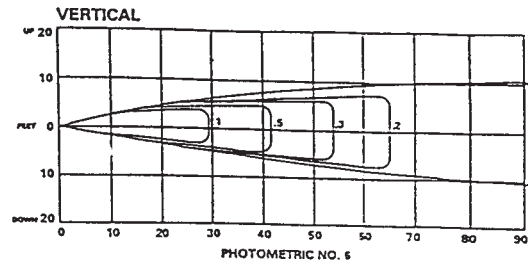
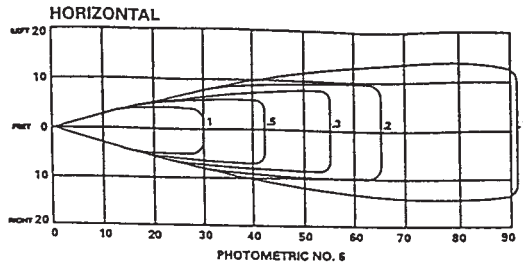


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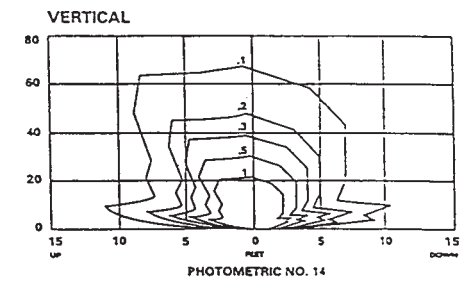
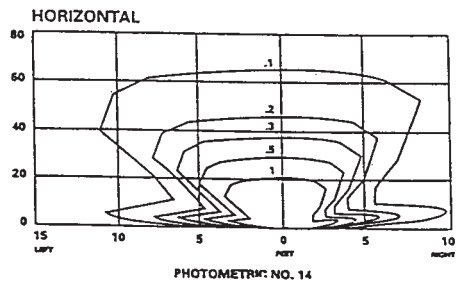
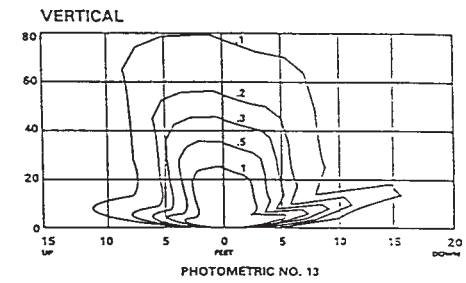
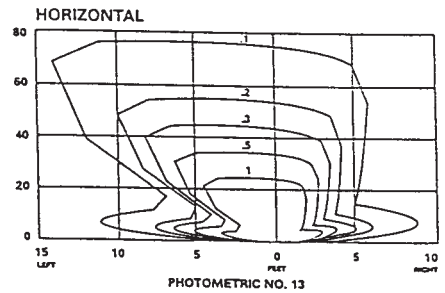
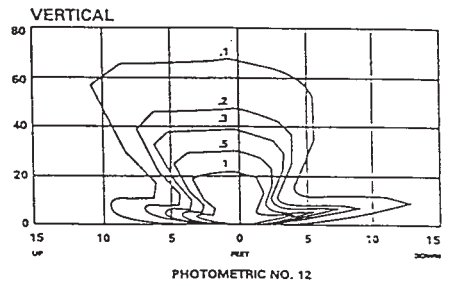
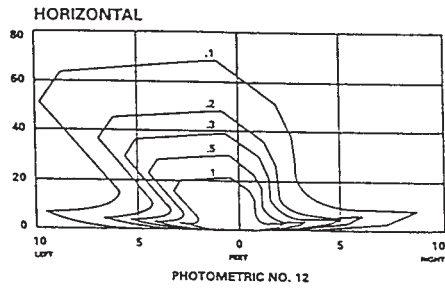
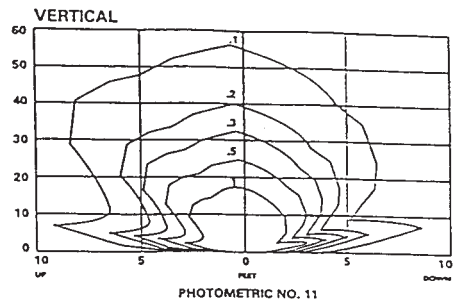
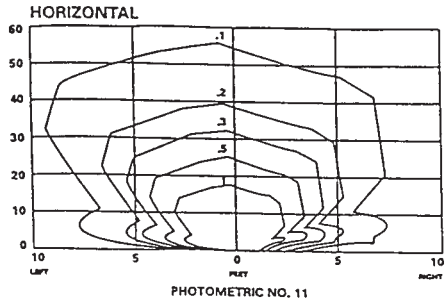
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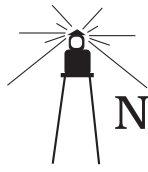
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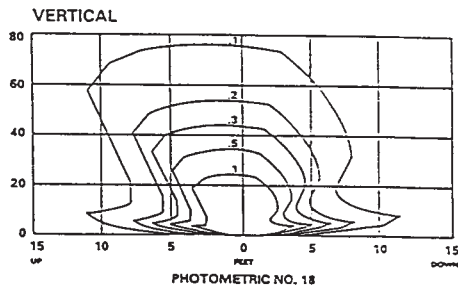
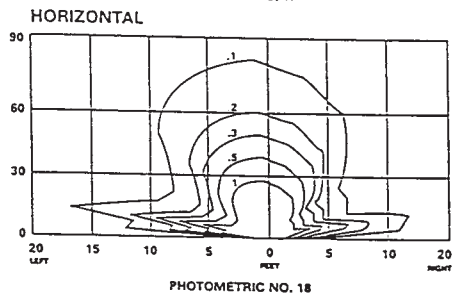
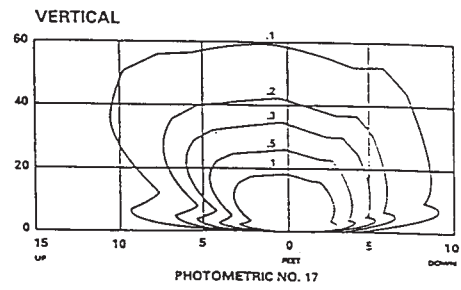
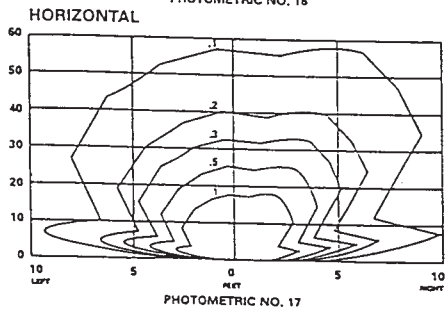
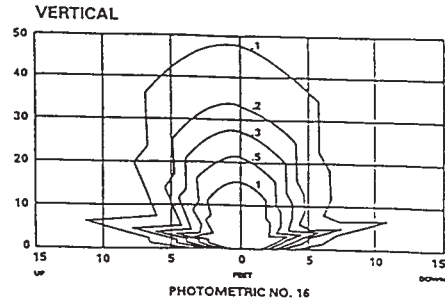
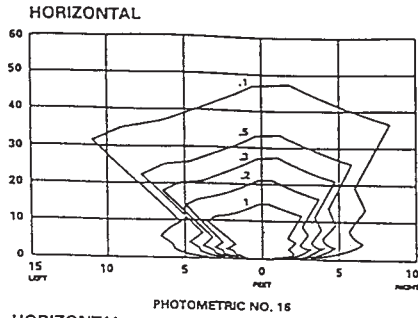
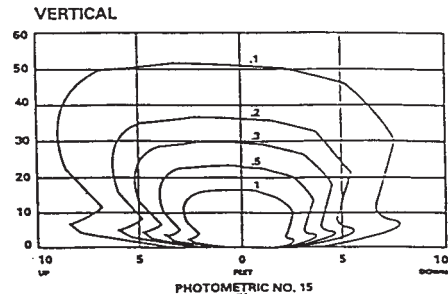
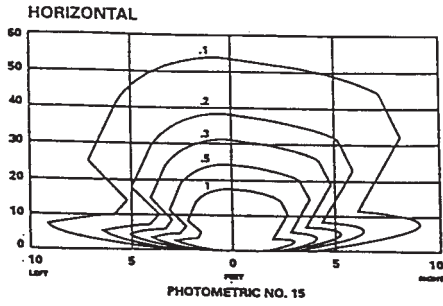


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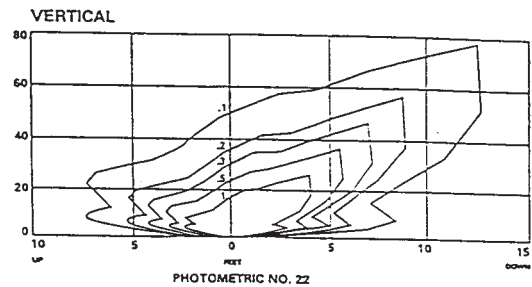
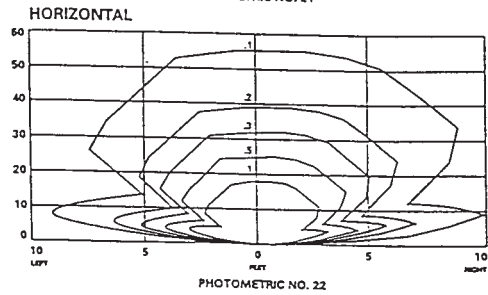
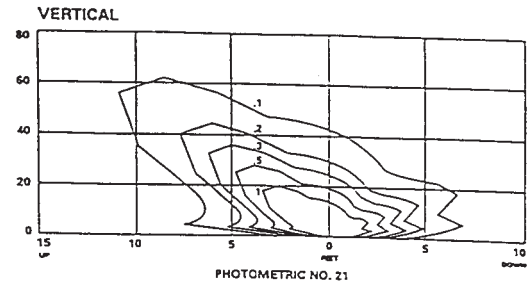
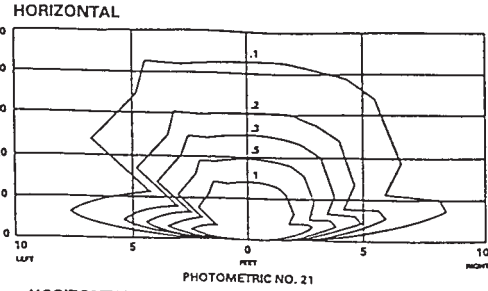
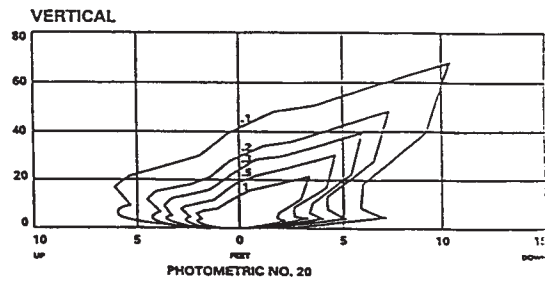
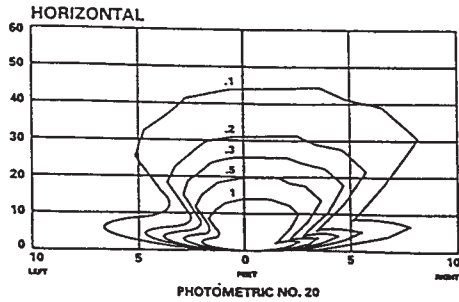
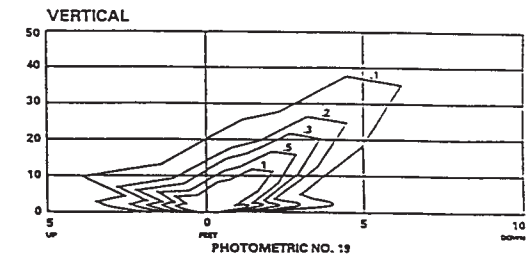
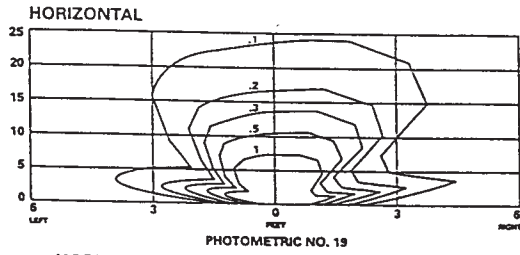
Life Safety Products

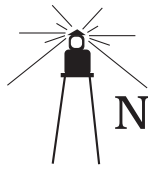
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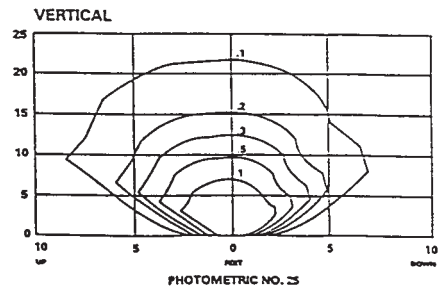
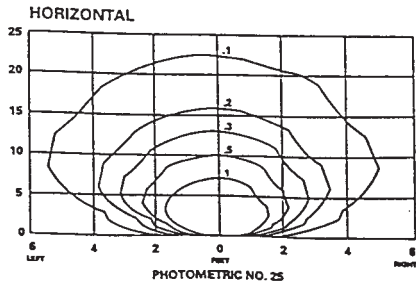
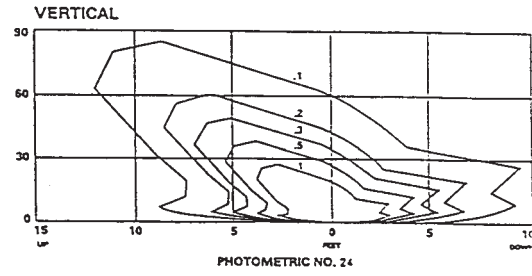
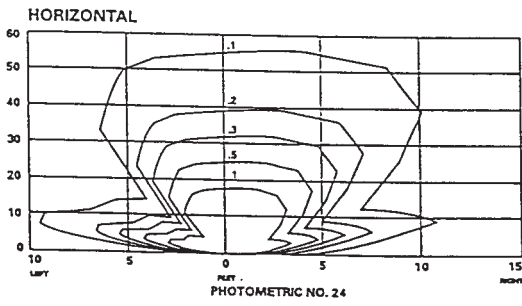
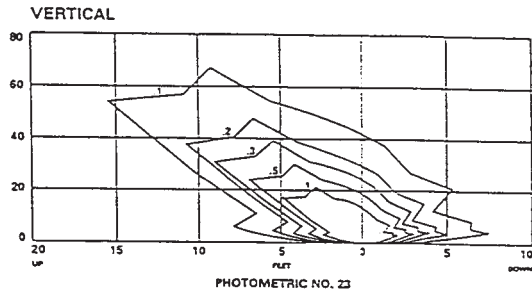
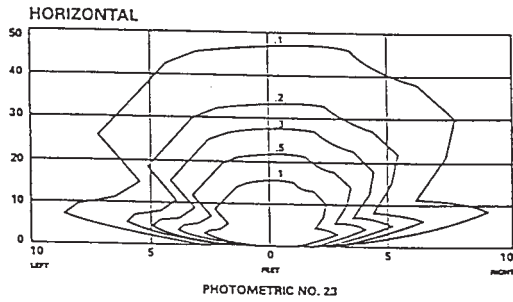


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- NK** Nav-Check Self-Diagnostics option conducts automatic and manual tests to ensure the unit is working properly. Visual indicators are standard.
- NA** Nav-Check Self-Diagnostics same as NK with an intermittent audible alarm to signal problems.
- V** Voltmeter indicates charger voltage when the unit is in a normal or high rate charging mode and indicates battery voltage when the unit is in a discharge or test mode.
- A** Ammeter indicates the charging current being supplied to the battery.
- T1** Time Delay for 120 VAC units. Keeps emergency lighting on for **15 minutes** after AC power has been reinstated. Commonly used for HID lighting to allow time for restrike.
- T2** Time Delay for 277 VAC units. See T1 for description.
- LC** 6 foot line cord (not installed)
- DC** DC load on/off switch that disconnects battery before AC power is shut down. Commonly used in schools when power is shut down for the summer.
- A1** On/off switch for 120 VAC disconnects primary utility power for maintenance.
- A2** On/off switch for 277 VAC disconnects primary utility power for maintenance.
- X1** Special transformer (200 volt 50/60 HZ).
- X2** Special transformer (220 volt 50/60 HZ).
- X3** Special transformer (240 volt 50/60 HZ).
- X4** Special transformer (480 volt 60 HZ), DeSoto M60, DM6C50T only.
- F1** AC fuse for 120 VAC. Used to protect electronics from overload conditions.
- F2** AC fuse for 277 VAC. Used to protect electronics from overload conditions.
- DL** UL listed for use in damp locations.
- WL** UL listed for use in wet locations.
- H1** Heater for 120 VAC for use with DeSoto M60 Series.. Used to regulate unit temperature in extremely cold environments such as grocery freezers.
- H2** Heater for 277 VAC for use with DeSoto M60 Series. Used to regulate unit temperature in extremely cold environments such as grocery freezers.
- SH** Shatter resistant lens for Lexan® sealed beam lamp heads.
- VR** Vandal resistant lens with tamper-proof hardware for select exits.
- FA** Exit flashes when fire alarm system is activated. Unit is connected to the 24 VDC.
- FL** DC flasher for self-powered exits. Exit flashes when fire alarm system is activated.
- BZ** DC buzzer for self-powered exits. Exit buzzes when fire alarm system is activated. Not available on compact fluorescent units.

- BF** DC buzzer/flasher for self-powered exits. Exit flashes and/or buzzes when fire alarm system is activated. Not available with nickel cadmium compact fluorescent exits.
- TP** Tamperproof screws (requires special tool).
- C1** Dual circuit wiring for 120 VAC. If primary utility power is lost, the relay switches to the secondary circuit.
- C2** Dual circuit wiring for 277 VAC. If primary utility power is lost, the relay switches to the secondary circuit.
- SD** Self-diagnostics for Magellan EC and QT Series.
- ST** Self-diagnostics with 15 minute time delay for Magellan QT Series.

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Product Information Guide



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Ballast Information Guide

Ballast Technology

After selecting a lamp for the given application, a choice of ballast types is often available. Each ballast type has its own unique combination of operating characteristics. A few of the characteristics that a lighting designer should consider when choosing a ballast type include circuit type, ballast losses, ballast factor, temperature rating, ballast life, and its ability to regulate wattage to the lamp.

The Purpose of the Ballast

An arc-discharge lamp initially starts as a non-conductive gas between two electrodes. The ballast must supply adequate voltage to initiate an arc between the electrodes. This voltage is supplied by a transformer section within the ballast, and is sometimes supplemented by an ignitor that supplies additional high voltage pulses timed with the peak of the transformer voltage. Once the gas in the lamp's arc tube becomes ionized, the electrical resistance drops very low. The ballast must then limit the current to protect the electrodes from overheating.

As the current flows through the ionized arc stream, the gas is heated and pressure builds within the arc tube. This pressure in turn causes resistance to develop in the arc stream. The increased resistance leads to further heating and pressure. The ballast must control the current to make the lamp operate in a stable manner at its proper wattage. Without current regulation of the ballast, the pressure would increase until the voltage supplied to the lamp is incapable of passing between the electrodes. The ionization would cease and the lamp extinguish.

Improper ballasting will cause lamps to operate outside their optimum performance envelope. The result is that lamps won't operate at their correct wattage, won't produce the correct light output, and will experience shortened life. The ballast must therefore supply proper voltage to start and maintain the arc, and must control current to regulate the lamp at its correct operating wattage.



The Importance of Ballast Regulation

Regulation is a measure of lamp wattage output variation as a function of line voltage input variation. Ballasts with better regulation can be used with a wider variation of line voltage. The effect of variations in line voltage and the resultant change in lamp wattage is indicated in the section on ballast types. Higher quality ballasts offer a better degree of regulation.

In HID lamps, the lumen output actually varies more than the lamp wattage. High pressure sodium lamp lumens change 1.2 times more than the lamp wattage and Metal halide lamp lumens vary at 1.8 times the wattage change. This means a 10% change in MH lamp wattage will result in an 18% change in lumen output. When lamp wattage is reduced, the arc temperature may be reduced enough to cause one or more of the additive metal atoms to recombine with the halogen atoms, causing a significant additional reduction in light output and/or a change in color.

Ballast Technology

The Meaning of Temperature Ratings

The combined heat of the lamp and ballast, and the ambient conditions may increase the temperature of the ballast and the capacitor(s) in the enclosure. All Holophane ballasts are fabricated using 180°C wire and insulation. The temperature rating of components can actually be increased by derating the life of the component. A 10°C increase in operating temperature may halve the life of the component. The use of a 180°C insulation system, plus positioning of the ballast against the housing for heat sinking, and location of the capacitors away from maximum heat areas, result in many units being suitable for high temperature usage. 40°C, 55°C, and 65°C capabilities are possible while maintaining a maximum component life suitable for HID fixtures. Independent laboratories conduct tests at specific ambient temperatures (example: 25°C, 40°C, 55°C, and 65°C) and will list a product for use at that temperature. This assures that rated component life will be achieved if the ambient temperature does not exceed that level.

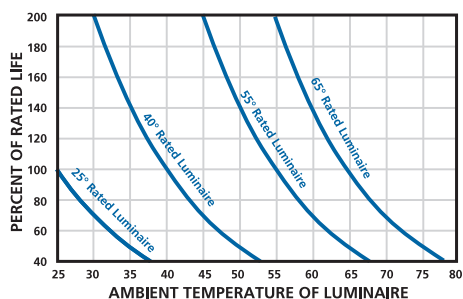


Figure 1: Probable life expectancy of integrally ballasted luminaires in associated ambients.

Many HID luminaires carrying a listing at a specific temperature may actually be suitable for higher temperatures. As an example, a unit may be suitable for 52°C, but still carry only a 40°C listing since the next listed step is 55°C. Outdoor luminaires are generally tested at 25°C (77°F), as they are not normally subjected to higher temperatures during the evening hours.

Fluorescent luminaires are generally tested at 25°C because they are normally used in conditioned environments. Operation in higher ambient temperatures for prolonged periods of time will shorten component life. Many Holophane outdoor designs are rated at 40°C giving you a ballast that will last longer under lower ambient temperatures.

What is a Crest Factor?

Crest factor in an AC circuit is the ratio of the peak value of a waveform to its effective value (root mean square). As an example, the crest factor of a true sine wave is 1.41. Lamps and ballasts have nonlinear characteristics that cause distortion to the current waveform. The current crest factor for HID lamp currents is usually between 1.6 and 1.8. Higher peak current can accelerate electrode damage while lamps are operating at their normal specified RMS (root mean square) current.

Harmonics

Because the current supplied to an HID lamp is not a true sine wave, the current drawn by the ballast from the utility power is not sinusoidal. Too much distortion can pose problems for the utility company and may overheat the neutral in a three phase power distribution system. The distortion in this waveshape is often analyzed by breaking it down into multiples of the main frequency (50 or 60Hz), called harmonics. The distortion is measured by the amount of each of these harmonics present in the distorted waveshape. Additionally, an analysis usually contains a total of the harmonics present, called Total Harmonic Distortion, or THD. The lower the number, the less the waveform deviates from an ideal sine wave. The level of acceptable harmonic will vary. However, overheating of neutrals will be avoided if the THD is less than 33%. All Holophane HID ballasts have a THD less than 33% and nearly all fluorescent ballasts on the market today have less than 20%, with many having less than 10%.

Noise

The magnetic elements in the ballast circuit generate an inherent hum. The degree of hum or noise generated is dependent on the ballast design, load characteristics, component mounting within the housing, luminaire mounting, and general acoustical characteristics of the area in which luminaires are used.

Trapezoid Definition

The high pressure sodium (HPS) lamp has been commercially available since 1965. Operationally, the arc tube voltage increases significantly throughout life. Therefore, the ballast must compensate for the voltage increase in order to maintain constant wattage. A simple $\pm\%$ regulation cannot define HPS lamp regulation. A trapezoid is defined for use with this system which restricts the lamp and ballast performance to limits established by the American National Standards Institute (ANSI). The ballast is designed to operate an HPS lamp throughout its rated life within the trapezoid for any input voltage within the rated input voltage range of the ballast. The maximum wattage line is determined as a value, which will result in reduced life if the lamp is operated above this value for more than 25% of the time. The minimum wattage line is determined by the lowest acceptable lumen output in lamp warm-up requirements. The maximum voltage line defines the lower limit to which the ballast must be able to sustain the lamp as the lamp voltage rises throughout its life. The trapezoid is closed by the minimum lamp voltage line allowed for all operating conditions. The ballast characteristic curve graphically depicts the manner in which the ballast controls lamp wattage as the HPS lamp voltage increase.

HPS lamps increase in lamp voltage throughout life at a rate of one to three volts per 1000 hours of operation and the ballast operating characteristic curve defines the lamp wattage variation as lamp voltage increases during the life of the lamp. Figure 2 is a typical ballast operating characteristic curve for nominal input line voltage. As the input line voltage is increased or decreased, new ballast operating characteristic curves are produced essentially parallel to the curve shown except intersecting at different points depending on the line voltage change.

It is not unusual for commodity type ballasts to have greater watts loss and not provide 400 watts of output. Less than 400 watts of output over life means a ballast factor less than 1.0 and the designed light level is never achieved. This unacceptable lighting level is sometimes accompanied by higher ballast losses. Basically a customer would be paying an energy penalty to have this less than designed lighting level.

Holophane HPS ballasts are designed so the trapezoid curve at nominal input voltage will pass through nominal wattage at nominal lamp voltage. The average wattage over the life of the lamp will also be as close to nominal wattage as possible.

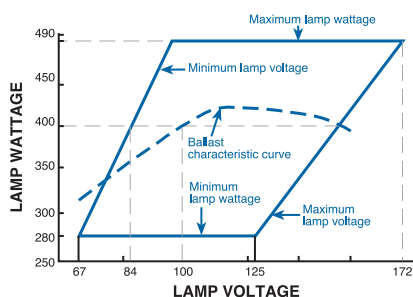


Figure 2: Typical trapezoid of 400W HPS

Ballast Factor

Basic lighting calculations assume that the lamp in a lighting system is generating the lumens specified by the lamp manufacturer. Ballast factor is the lumens delivered by a standard lamp operated from an actual ballast as a fraction of the lumens delivered by the standard lamp operated from a reference ballast. (A reference ballast is an inductor adjusted to specific specifications that allows lamps to be operated under the same control in different labs.) The test is performed with the ballast operating from its nominally rated line voltage. To meet the lamp lumens generated with the reference ballast, the actual ballast must be designed to operate the lamp at nominal wattage given a nominal input voltage. Less lumens per fixture often means that more fixtures are required to achieve the expected results.

All Holophane ballasts are designed to a ballast factor of 1.0. The ballasts are designed to operate a nominal lamp at nominal wattage given nominal input voltage. Manufacturing and part variations can cause the ballast to operate at other than nominal wattage for nominal input voltage. Superior process control techniques limit the manufacturing tolerances of Holophane ballasts to $\pm 3\%$ on the core and coil and $\pm 3\%$ on the capacitor. In addition, on all Energy Saving ballasts the capacitor is matched to the core and coil to further reduce the overall tolerances. All Holophane ballasts are designed to

provide full wattage to the HID lamp and, therefore, have a ballast factor of 1.0. The combination of superior manufacturing process control and a ballast factor of 1.0 ensures that Holophane ballast systems will deliver the rated lumen output from the lamp.

Manufacturing Tolerances

The American National Standards Institute (ANSI) has established allowable production tolerances in the manufacturing of ballasts and lamps. Ballast tolerances permitted in output watts with a nominal lamp are $\pm 7\frac{1}{2}\%$ for high pressure sodium and mercury vapor, $\pm 5\%$ for metal halide.

Lamps manufactured within ANSI standards may vary $\pm 10\%$ to $\pm 15\%$ in arc voltage characteristics which can result in about $\pm 15\%$ variation in operating watts with corresponding changes in lamp lumen output.

Theoretically, variations of $\pm 22\%$ for high pressure sodium and mercury vapor and $\pm 15\%$ for metal halide are possible with the combined tolerances indicated. However, lamps and ballasts are normally manufactured with less variation resulting in representative lamp output values closer to rated.

Starting Current

The CWI (Constant-Wattage Isolated) ballast circuit incorporates a fully isolated secondary windings in series with a capacitor and lamp. The CW (Constant-Wattage) ballast, compared to other ballast types, regulates over the widest primary voltage range and holds lamp wattage to the narrowest regulation range by controlling lamp current. The CW and CWA ballast starting current is always less than the operating current. Lag type (reactor) ballasts have a considerably higher starting current. This starting current may vary by as much as $+30\%$ above nominal operating current, depending on the line voltage variation and ballast circuit characteristics.

Ballast Fusing Option

Ballast faults can cause high primary currents. Single fuses for 120V, 240V, or 277V, and double fuses for 208V, 240V, or 480V may be specified to protect the branch circuit by removing a defective ballast before it opens the line circuit breaker. The fuse is designed to carry the momentary high in-rush current of the ballast which eliminates the potential for nuisance tripping. The choice of the proper fuse (type and rating) to accept the in-rush current and yet protect the branch circuit is an exact science and manufacturer's recommendations should be followed.

Magnetic HID Ballasts

An electromagnetic, or ‘magnetic’ ballast is an inductor consisting of one, two, or three copper or aluminum coils assembled on a core (or “stack”) of electrical-grade steel laminations - commonly referred to as a core-and-coil ballast.

This assembly transforms electrical power into a form appropriate to start and operate HID lamps. Ballasts for high pressure sodium and pulse start metal halide lamps also include an ignitor to start the lamp. The third major component is the capacitor, which improves the power factor, subsequently reducing current draw.

Typically, all three components: the basic core-and-coil, the capacitor, and the ignitor are assembled directly into the lighting fixture. However, some core-and-coil assemblies are encased in a container to meet specific market requirements. A description of the four basic ballast circuits is opposite with a table comparing basic features and functions of each ballast circuit following



Magnetic HID Ballasts

| FEATURE COMPARISON: | | | | |
|-----------------------|------------|------------|-------------|------------|
| Feature | Reactor | HX | CWA | Mag Reg |
| Initial Cost | Lowest | Low | Medium | High |
| Operating Cost | Lowest | Low | Medium | High |
| Input Voltage | Single | Any | Any | Any |
| Losses | Lowest | Low | Medium | High |
| Starting | Marginal | Marginal | Reliable | Reliable |
| Lamp Regulation | ±12% @ ±5% | ±10% @ ±5% | ±10% @ ±10% | ±3% @ ±10% |
| Highest Input Current | Lamp Out | Lamp Out | Lamp Run | Lamp Run |
| Ballasts per Circuit* | 67% | 60% | 100% | 97% |
| Color Uniformity | Fair | Fair | Good | Very Good |
| Transient Tolerance | Good | Good | Good | Very Good |
| Size | Smallest | Small | Medium | Large |

*Percentage comparison based on CWA at 100%

Reactor (R) — A single coil ballast can be used when the input voltage to a fixture meets the starting and operating voltage requirements of an HID lamp. In this situation, the reactor ballast performs only the current-limiting functions since the input voltage to the fixture supplies the necessary voltage to initiate the ignitor pulses, and to start and sustain the lamp.



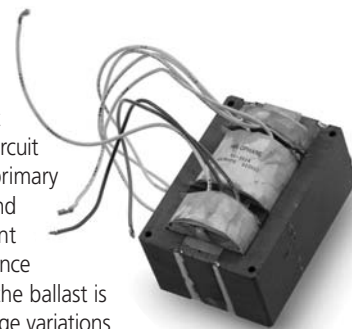
High Reactance Autotransformer (HX) — When the input voltage does not meet the starting and operating voltage requirements of an HID lamp, a high reactance autotransformer ballast can be used. In addition to limiting the current to the lamp, the ballast transforms the input voltage to the lamp's required level. Two coils, called the primary and secondary, are employed within the core. The operating characteristics are similar to the reactor.



Constant Wattage Autotransformer (CWA) — To correct the high current draw associated with reactor and high reactance ballasts, and to provide a greater level of lamp wattage regulation, the 2-coil CWA ballast was developed. It is the most commonly used ballast circuit for medium and high wattage (175 – 2000w) applications and typically represents the best compromise between cost and performance. The CWA ballast provides for greatly improved lamp wattage regulation over reactor and high reactance circuits. CWA ballasts are engineered to tolerate 25-30% drops in line voltage before the lamp extinguishes, thus reducing accidental lamp outages.



Magnetic Regulator (Mag-Reg) — This three-coil ballast circuit consists of a reactor ballast with a two-coil voltage regulator circuit all assembled on one core. The primary coil works with the tertiary coil and its capacitor to regulate the current through the reactor ballast and hence the lamp. The reactor portion of the ballast is essentially isolated from line voltage variations and deviations from nominal. As a result, this circuit provides the best lamp wattage regulation (a ± 10% change in input voltage yields only a ± 3% change in lamp wattage) but carries an increase in ballast size, ballast losses and price.



High Pressure Sodium

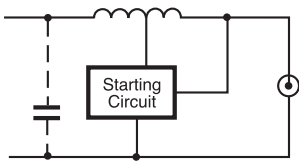
HPS lamps were developed and introduced as energy-efficient sources for exterior, security, and industrial lighting applications, and are particularly prevalent in street lighting applications. Due to their high efficiency and long life, today's HPS lamps are also suitable for many interior applications, particularly where color rendering is not a crucial concern.

High pressure sodium ballasts require both a magnetic circuit to produce the proper open circuit voltage and control current, and a special electronic starting circuit. HPS lamps require a high voltage pulse for ignition. This ballast in conjunction with an electronic starter circuit serves this function.

This circuit applies a high pulse voltage required to initiate the gaseous discharge in the lamp. 2,500 volts minimum is required for 400 watt and below; 3,000 volts minimum for 1000 watt. The pulse repeats each half cycle. The pulsing circuit is de-energized after the lamp arc is established.

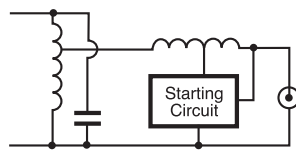


BALLAST TYPES:



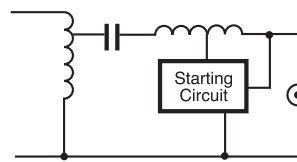
Reactor

This ballast design may be used when the input voltage to the fixture meets the starting voltage requirements of HPS lamp. Reactor ballasts provide the same degree of lamp wattage regulation as the high reactance auto-transformer. They also have normal power factor (50%) which can be corrected with the addition of a capacitor. Input line voltage variation of $\pm 5\%$ will result in $\pm 12\%$ wattage variation.



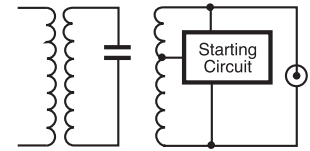
HX - High Reactance

Line starting current is greater than operating current. Power factor is above 90%. A $\pm 5\%$ line voltage variation will result in $\pm 10\%$ variation in wattage.



CWA

The starting current in this circuit is lower than the operating current. A $\pm 10\%$ line voltage variation will result in a $\pm 10\%$ variation in wattage. Power factor is above 90%.



Mag Reg

The starting current in this circuit is lower than the operating current. A $\pm 10\%$ line voltage variation could result in a $\pm 3\%$ change in wattage depending on design factors. Power factor is above 90%. Internal wattage losses are higher than Lead-type regulators.

Protected Starter Boards for HPS Units

Eliminates high voltage stress in luminaire components when lamp fails resulting in longer life of your lighting system.

Luminaires for high pressure sodium lamps differ from luminaires for other discharge lamps in that an electronic starter is used in conjunction with a tapped coil of the ballast to produce a narrow pulse of several thousand volts to start the lamp.

Electronic starter

The starting circuit can be simply described as a fast acting switch. The switch allows a capacitor to discharge through the ballast coil to produce a pulse at the lamp socket at a rate of 120 times a second. The electronic starter works on the principle of sensing whether or not the lamp is operating and if not, the starter will continuously supply high voltage pulses to the lamp socket. These pulses will appear at the lamp socket only if the lamp has not yet started, is removed or has failed. No pulses appear if the lamp is operating. A regular starter will continually supply high voltage pulses to a burned out lamp, broken lamp, or an empty socket. Over a period of time, this high voltage will stress the starter, ballast, socket and fixture wiring. If these lamps are not replaced in a reasonable time period, this high voltage pulse could damage these stressed components necessitating their replacement.

Protected starter

Each time power is applied to the protected starter it also supplies the high voltage pulses. The difference is it electronically senses if a lamp is burned out, broken, or missing. In these cases, it turns the high voltage pulses off and eliminates high voltage stress and possible component damage.

Due to its unique design, the "Protected Starter" can sense the difference between a lamp failure and a lamp drop out (from a momentary power interruption). In the latter case the "Protected Starter" restrikes the lamp the same as the present starter would. For a lamp failure the "Protected Starter" would send starting pulses to the socket for approximately 3 to 10 minutes.

After that time the starter senses a lamp failure and stops the starting cycle. To restart the fixture, replace the lamp at your convenience and re-energize the circuit. No cumulative damages will be added to the electrical components.

"Protected Starter" can be supplied in any high pressure sodium Holophane lighting product, by adding the suffix "PS" to the catalog number. Or it can be ordered as a replacement starter in any existing Holophane high pressure sodium lighting product. "Protected Starter" can only be used with ballasts manufactured by Holophane.



To order

Add suffix "PS" to catalog number

Example

PRSLC10HP12NDE50-PS

To order replacement

"PS-55" for 50W through 150W-55V

"PS-100" for 150W-100V, 250W and 400W

"PS-1000" for 1000W

UL listed

Holophane "Protected Starter" is UL listed as an "Alternate Starter" and may be used in any Holophane high pressure sodium lighting fixture.

"Protected Starters" are ideally suited for those applications where maintenance is not performed on a scheduled basis or where fixture location precludes ease of maintenance or lamp replacement.

When a new lamp is installed into a fixture with a "Protected Starter" circuit, the fixture must be re-activated.

HIGH PRESSURE SODIUM — ELECTRICAL CHARACTERISTICS:

| LAMP | BALLAST TYPE | Single Voltage Ballast | Multi-tap Ballast | Nominal primary voltage (volts) | Maximum input current (amps) ¹ | Primary lamp extinguishing voltage (volts) ¹ | Input wattage (watts) ¹ | Secondary open circuit voltage (volts) ¹ | Power factor | Lamp wattage regulation @ ±5% line voltage variation | Minimum ambient starting temperature |
|--------------|---------------------|------------------------|-------------------|---------------------------------|---|---|------------------------------------|---|--------------|--|--------------------------------------|
| 50W | R- Reactor | X | | 120 | 1.48 | 95 | 60 | 120 | 42% NPF | ± 12% | - 40°F |
| | R- Reactor | X | | 120 | 1.05 | 95 | 60 | 120 | 90% HPF | ± 12% | - 40°F |
| | HX – High Reactance | | X | 120 | 1.15 | 85 | 63 | 136 | 90% HPF | ± 11% | - 40°F |
| | | | X | 208 | 0.66 | 150 | 63 | 136 | 90% HPF | ± 11% | - 40°F |
| | | | X | 240 | 0.58 | 170 | 63 | 136 | 90% HPF | ± 11% | - 40°F |
| | | X | 277 | 0.55 | 200 | 63 | 136 | 90% HPF | ± 11% | - 40°F | |
| | X | | 480 | 0.29 | 350 | 64 | 136 | 90% HPF | ± 11% | - 40°F | |
| 70W | R- Reactor | X | | 120 | 2.0 | 95 | 83 | 120 | 43% NPF | ± 12% | - 40°F |
| | R- Reactor | X | | 120 | 1.30 | 95 | 83 | 120 | 90% HPF | ± 12% | - 40°F |
| | HX – High Reactance | | X | 120 | 1.50 | 90 | 91 | 128 | 90% HPF | ± 12% | - 40°F |
| | | | X | 208 | 0.86 | 156 | 93 | 128 | 90% HPF | ± 12% | - 40°F |
| | | | X | 240 | 0.75 | 180 | 94 | 128 | 90% HPF | ± 12% | - 40°F |
| | | | X | 277 | .66 / .66 | 206 / 206 | 88 / 95 | 130 / 128 | 90% HPF | ± 12% | - 40°F |
| | X | | 480 | .38 | 360 | 90 | 130 | 90% HPF | ± 12% | - 40°F | |
| 100W | R- Reactor | X | | 120 | 2.9 | 95 | 117 | 120 | 46% NPF | ± 12% | - 40°F |
| | R- Reactor | X | | 120 | 1.63 | 95 | 117 | 120 | 90% HPF | ± 12% | - 40°F |
| | HX – High Reactance | X | X | 120 | 2.30 / 2.30 | 90 / 90 | 128 / 128 | 130 / 129 | 90% HPF | ± 12% | - 40°F |
| | | | X | 208 | 1.35 | 175 | 128 | 129 | 90% HPF | ± 12% | - 40°F |
| | | | X | 240 | 1.15 | 205 | 128 | 129 | 90% HPF | ± 12% | - 40°F |
| | | X | X | 277 | .94 / .94 | 206 / 235 | 128 / 128 | 130 / 129 | 90% HPF | ± 12% | - 40°F |
| | | X | 480 | 0.60 | 360 | 130 | 130 | 90% HPF | ± 12% | - 40°F | |
| 150W | R- Reactor | X | | 120 | 4.0 | 95 | 170 | 120 | 43% NPF | ± 12% | - 40°F |
| | R- Reactor | X | | 120 | 2.50 | 95 | 170 | 120 | 90% HPF | ± 12% | - 40°F |
| 55V | HX – High Reactance | | X | 120 | 3.05 | 90 | 188 | 129 | 90% HPF | ± 12% | - 40°F |
| | | | X | 208 | 1.82 | 156 | 188 | 129 | 90% HPF | ± 12% | - 40°F |
| | | | X | 240 | 1.52 | 180 | 188 | 129 | 90% HPF | ± 12% | - 40°F |
| | | X | X | 277 | 1.34 / 1.34 | 208 / 208 | 185 / 188 | 128 / 129 | 90% HPF | ± 12% | - 40°F |
| | | | X | 480 | .90 | 360 | 190 | 128 | 90% HPF | ± 12% | - 40°F |
| 150W 100V | HX – High Reactance | | X | 120 | 3.05 | 95 | 185 | 240 | 90% HPF | ± 12% | - 40°F |
| | | | X | 208 | 1.80 | 170 | 185 | 240 | 90% HPF | ± 12% | - 40°F |
| | | | X | 240 | 1.53 | 185 | 185 | 240 | 90% HPF | ± 12% | - 40°F |
| | | | X | 277 | 1.32 | 225 | 185 | 240 | 90% HPF | ± 12% | - 40°F |
| | | | X | 480 | 0.86 | 360 | 185 | 240 | 90% HPF | ± 12% | - 40°F |

¹ Where 2 values are given e.g.: .55/.57, left hand value is for single input voltage ballast, right hand value is for multi-tap ballast.

Product specifications may change without notice. Please contact your local Holophane factory sales representative for the latest product information.

HIGH PRESSURE SODIUM — ELECTRICAL CHARACTERISTICS:

| LAMP | BALLAST TYPE | Single Voltage Ballast | Multi-tap Ballast | Nominal primary voltage (volts) | Maximum input current (amps) ¹ | Primary lamp extinguishing voltage (volts) ¹ | Input wattage (watts) ¹ | Secondary open circuit voltage (volts) ¹ | Power factor | Lamp wattage regulation @ ±10% line voltage variation | Minimum ambient starting temperature |
|-------------------------|--------------|------------------------|-------------------|---------------------------------|---|---|------------------------------------|---|--------------|---|--------------------------------------|
| 200W | CWA | X | X | 120 | 2.1 / 2.1 | 85 / 85 | 237 / 238 | 210 / 210 | 90% HPF | ± 10% | - 40°F |
| | | | X | 208 | 1.2 | 145 | 237 | 210 | 90% HPF | ± 10% | - 40°F |
| | | | X | 240 | 1.05 | 165 | 240 | 210 | 90% HPF | ± 10% | - 40°F |
| | | X | X | 277 | .90 / .90 | 195 / 195 | 238 / 238 | 210 / 210 | 90% HPF | ± 10% | - 40°F |
| | | X | | 480 | 0.52 | 330 | 241 | 210 | 90% HPF | ± 10% | - 40°F |
| 250W | CWA | X | X | 120 | 2.6 / 2.6 | 75 / 75 | 295 / 305 | 200 / 225 | 90% HPF | ± 12% | - 40°F |
| | | | X | 208 | 1.5 | 130 | 305 | 225 | 90% HPF | ± 12% | - 40°F |
| | | | X | 240 | 1.3 | 150 | 305 | 225 | 90% HPF | ± 12% | - 40°F |
| | | X | X | 277 | 1.13 / 1.1 | 170 / 170 | 305 / 305 | 200 / 225 | 90% HPF | ± 12% | - 40°F |
| | | X | X | 480 | 0.65 | 305 | 308 | 200 | 90% HPF | ± 12% | - 40°F |
| 250W (Energy Saving) | CWA | X | X | 120 | 2.5 / 2.5 | 85 / 85 | 286 / 289 | 205 / 207 | 90% HPF | ± 12% | - 40°F |
| | | | X | 208 | 1.45 | 148 | 290 | 207 | 90% HPF | ± 12% | - 40°F |
| | | | X | 240 | 1.2 | 170 | 290 | 207 | 90% HPF | ± 12% | - 40°F |
| | | X | X | 277 | 1.1 / 1.1 | 195 / 195 | 291 / 291 | 205 / 207 | 90% HPF | ± 12% | - 40°F |
| | | X | | 480 | 0.63 | 340 | 295 | 205 | 90% HPF | ± 12% | - 40°F |
| 250W | Mag Reg | X | | 120 | 2.56 | 70 | 305 | 220 | 90% HPF | ± 6% | - 40°F |
| | | X | | 208 | 1.48 | 120 | 305 | 220 | 90% HPF | ± 6% | - 40°F |
| | | X | | 240 | 1.28 | 140 | 305 | 220 | 90% HPF | ± 6% | - 40°F |
| | | X | | 277 | 1.11 | 160 | 305 | 220 | 90% HPF | ± 6% | - 40°F |
| | | X | | 480 | 0.64 | 280 | 305 | 220 | 90% HPF | ± 6% | - 40°F |
| 400W | CWA | X | X | 120 | 3.9 / 3.8 | 75 / 85 | 452 / 455 | 190 / 220 | 90% HPF | ± 12% | - 40°F |
| | | | X | 208 | 2.3 | 150 | 460 | 220 | 90% HPF | ± 12% | - 40°F |
| | | | X | 240 | 1.95 | 173 | 465 | 220 | 90% HPF | ± 12% | - 40°F |
| | | X | X | 277 | 1.70 / 1.70 | 170 / 200 | 460 / 465 | 190 / 220 | 90% HPF | ± 12% | - 40°F |
| | | X | | 480 | 1.0 | 300 | 468 | 190 | 90% HPF | ± 12% | - 40°F |
| 400W (Energy Saving) | CWA | X | X | 120 | 3.88 / 3.9 | 91 / 92 | 441 / 444 | 190 / 190 | 90% HPF | ± 13% | - 40°F |
| | | | X | 208 | 2.28 | 160 | 445 | 190 | 90% HPF | ± 13% | - 40°F |
| | | | X | 240 | 1.95 | 185 | 445 | 190 | 90% HPF | ± 13% | - 40°F |
| | | X | X | 277 | 1.68 / 1.68 | 211 / 210 | 446 / 446 | 190 / 190 | 90% HPF | ± 13% | - 40°F |
| | | X | | 480 | 0.98 | 368 | 452 | 190 | 90% HPF | ± 13% | - 40°F |
| 400W | Mag Reg | X | | 120 | 4.0 | 50 | 470 | 230 | 90% HPF | ± 3% | - 40°F |
| | | X | | 208 | 2.3 | 85 | 470 | 230 | 90% HPF | ± 3% | - 40°F |
| | | X | | 240 | 2.0 | 100 | 470 | 230 | 90% HPF | ± 3% | - 40°F |
| | | X | | 277 | 1.73 | 110 | 470 | 230 | 90% HPF | ± 3% | - 40°F |
| | | X | | 480 | 1.0 | 190 | 470 | 230 | 90% HPF | ± 3% | - 40°F |
| 1000W | CWA | X | X | 120 | 9.1 / 9.1 | 9.1 / 100 | 1080 / 1080 | 406 / 406 | 90% HPF | ± 13% | - 40°F |
| | | | X | 208 | 5.2 | 170 | 1075 | 406 | 90% HPF | ± 13% | - 40°F |
| | | | X | 240 | 4.55 | 190 | 1075 | 406 | 90% HPF | ± 13% | - 40°F |
| | | X | X | 277 | 3.9 / 3.95 | 220 / 220 | 1075 / 1075 | 406 / 406 | 90% HPF | ± 13% | - 40°F |
| | | X | | 480 | 2.30 | 415 | 1085 | 406 | 90% HPF | ± 13% | - 40°F |

¹ Where 2 values are given e.g.: .55/.57, left hand value is for single input voltage ballast, right hand value is for multi-tap ballast.

Metal Halide

In many cases, metal halide lighting is the only practical lighting option due to its high efficiency and 'white' light. Metal halide lamps remain the ideal technology for many commercial and industrial applications for sports lighting, factories, athletic areas, retail stores and warehousing. These lamps combine good to excellent color rendering with high efficiency and long life.



Metal Halide (Probe Start)

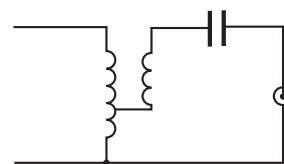
Traditional metal halide lamps (175-1000W) include an internal starting electrode, or 'probe' within the arc tube (which generates a slight flicker when the lamp is first turned on). When the lamp is 'turned on', a small arc is established between the starting electrode and the near-by operating electrode. This arc, in turn, initiates the main arc between the two operating electrodes. As the lamp warms up, the starting arc extinguishes. The warm-up period typically takes 5-7 minutes. With probe start metal halide lamps, a bi-metallic switch within the lamp switches the starting electrode out of the circuit. The ballast starts the lamp as well as regulates the current flowing through it.

A cold metal halide lamp cannot immediately begin producing its full light capacity because the temperature and pressure in the inner arc chamber require time to reach full operating levels. Starting the initial argon arc sometimes takes a few seconds, and the warm up period can be as long as seven minutes (depending upon lamp type). During this time the lamp exhibits different colors as the various metal halides vaporize in the arc chamber.

If power is interrupted, even briefly, the lamp's arc will extinguish, and the high pressure that exists in the hot arc tube will prevent re-striking the arc; a cool-down period of 5-10 minutes will be required before the lamp can be re-started. This is a major concern in some lighting applications where prolonged lighting interruption could create manufacturing shut-down or a safety issue. A few metal halide lamps are made with "instant restrike" capabilities that use a ballast with very high operating voltages (30,000 volts) to restart a hot lamp.



BALLAST TYPES:



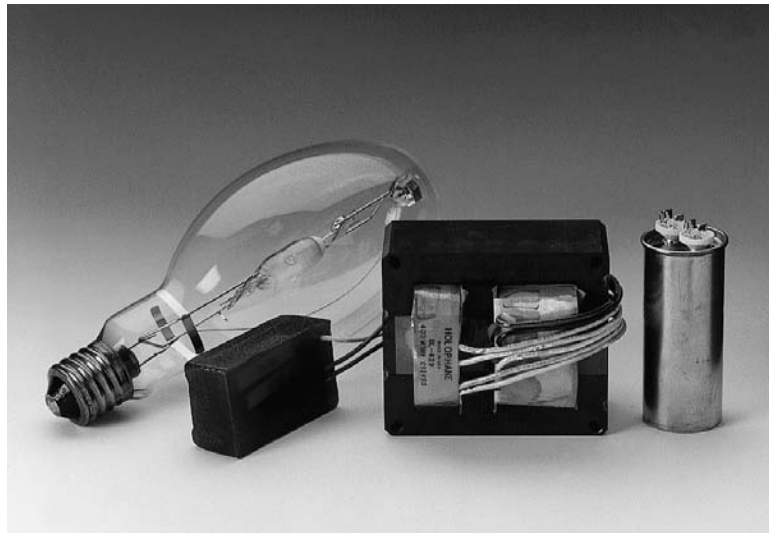
CWA

This peak lead autotransformer ballast is used for standard metal halide lamp operation. This series produces good line voltage regulation with high power factor and a wide range of input voltages. Maximum line current is drawn under lamp operation. A $\pm 10\%$ line voltage variation will result in a $\pm 10\%$ variation in lamp wattage. Power factor is typically above 90%.

Metal Halide (Pulse Start)

Pulse Start metal halide lamps are quickly becoming the standard lamp choice in the marketplace. Longer life, quicker re-strike times, lower minimum starting temperatures and greater initial and maintained lumens are a few of the lamp's benefits when compared to standard metal halide lamps.

These lamps coupled with Holophane's standard 1.0 ballast factor ballast, provide the highest lumen output in the industry. This means that either less fixtures are needed to light a specific area, or lower wattages can be utilized. Either way, the result is a well-lit area consuming little energy.



Pulse start lamps

Standard metal halide lamps have arc tubes manufactured from tubular cross sections with flattened ends. Some pulse start lamps have arc tubes with molded shapes. These shapes are designed to provide more uniform surface temperatures causing longer lamp life. Pulse start arc tubes have a higher arc tube fill pressures which provide more consistent color. Lamp manufacturers have removed the starting (3rd) electrode from the construction of these lamps. Lamp output, life and lumen maintenance vary by lamp manufacturer.

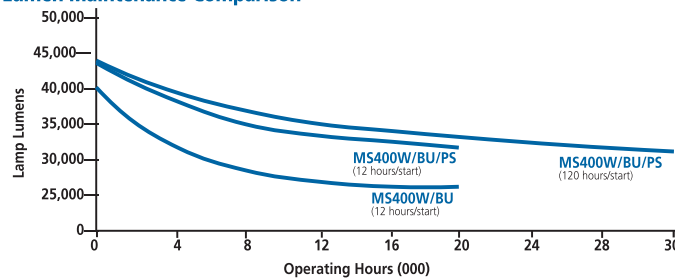
Lamp life

The 400 watt pulse start lamp manufactured by most lamp manufacturers has a mean rated life of 20,000 hours when operated on a 10 hour per start cycle. Some manufacturers also show 30,000 hours mean life when the system is operated on a 120 hour per start cycle.

Pulse start ignitors

Low wattage metal halide lamps and HPS lamps have utilized the higher voltage starting pulse provided by an external lamp ignitor for many years. Pulse start lamps are designed to operate only with an ignitor. Faster cold starts and greatly improved hot restrike times are a result of this ignitor when compared to conventional metal halide lamps without ignitor.

Lumen Maintenance Comparison



Data courtesy of Venture Lighting

Pulse start benefits:

- 42,000 to 44,000 initial lumen output for 400W lamp¹
- Improved lumen maintenance on 10 hours per start¹
- 50% longer lamp life for selected 400 watt lamps. 30,000 hour life warranted by the lamp manufacturer provided lamp operates at 120 hours per start¹
- 85% lumen maintenance for 120 hours per lamp start¹
- Lamp warm up time reduced by 50% to 2 minutes
- 80% faster restrike. Pulse start lamps will restrike in open luminaires within 4 minutes, furnishing quicker and more reliable starts²
- Lower cold temperature starts. Lamp starts down to -40°C / F compared to -30°C / -20°F for standard metal halide

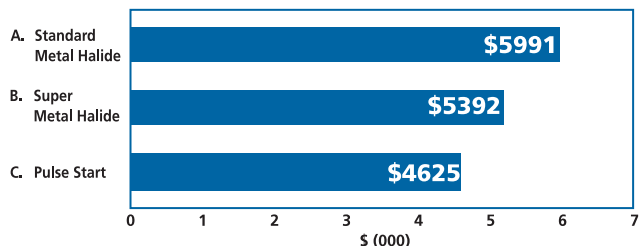
¹ Consult lamp manufactures specifications

² Open fixture only. Enclosed fixture will take longer but greatly improved over standard metal halide lamps

Saving Analysis

Higher light levels, fewer light fixtures, and less operating costs

Comparison of annual operating costs:



Operating cost comparison: (Prismalume® luminaire)

- A Standard CWA ballast and 400W metal halide lamp
- B Standard CWA ballast and 400W super metal halide lamp
- C Low Loss CWA ballast and 400W pulse start metal halide lamp

Size of facility: 100' x 100'
Mounting height: 20'
Lighting level: 50 FC maintained
Hours of operation: 8,760 per year
Energy cost: \$0.05/KwH

PULSE START BALLAST/LAMP AVAILABILITY

| Lamp Wattage | Ballast | Catalog Number | Input Wattage (for 120V) |
|--------------|------------|----------------|--------------------------|
| 175W MH | | 175PM | 211 |
| 250W MH | (standard) | 250PM | 285 |
| 250W MH | (low loss) | 25LPM | 280 |
| 320W MH | | 320PM | 362 |
| 350W MH | (low loss) | 35LPM | 383 |
| 350W MH | (standard) | 350PM | 395 |
| 400W MH | (standard) | 400PM | 453 |
| 400W MH | (low loss) | 40LPM | 438 |
| 750W MH | | 750PM | 810 |

Not all lamp wattages are available in all luminaires.
 Check with your Holophane sales representative for availability.



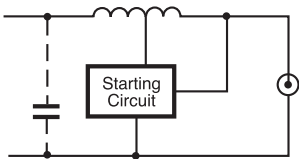
HOLOPHANE®

Pulse Start Metal Halide:

Pulse start ballasts are for metal halide lamps that require a high voltage pulse for starting. Peak lead, reactor, lag and magnetic regulator ballasts are all available in pulse start configurations. Starters are required, however the pulse requirements may vary with lamp wattage. Starters for HPS ballasts are not interchangeable with those for pulse start metal halide.

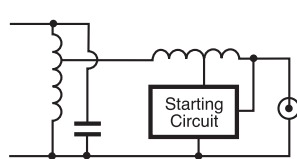


BALLAST TYPES:



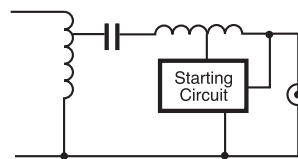
Reactor

A reactor may be used when the input voltage to the luminaire meets the operational voltage requirements of a metal halide lamp. A $\pm 5\%$ line voltage variation will result in a $\pm 12\%$ in lamp wattage. Power factor is typically above 90% when the capacitor is included. The maximum line current is drawn when the lamp is not operating.



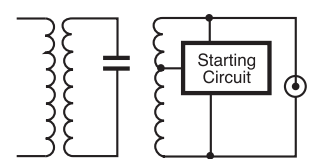
HX - High Reactance

Line starting current is greater than operating current. Power factor is above 90%. A $\pm 5\%$ line voltage variation will result in $\pm 10\%$ variation in wattage.



CWA

The starting current in this circuit is lower than the operating current. A $\pm 10\%$ line voltage variation will result in a $\pm 10\%$ variation in wattage. Power factor is above 90%.



Mag Reg

The starting current in this circuit is lower than the operating current. A $\pm 10\%$ line voltage variation could result in a $\pm 3\%$ change in wattage depending on design factors. Power factor is above 90%. Internal wattage losses are higher than Lead-type regulators.

METAL HALIDE — ELECTRICAL CHARACTERISTICS:

| LAMP | BALLAST TYPE | Single Voltage Ballast | Multi-tap Ballast | Nominal primary voltage (volts) | Maximum input current (amps) ¹ | Primary lamp extinguishing voltage (volts) ¹ | Input wattage (watts) ¹ | Secondary open circuit voltage (volts) ¹ | Power factor | Lamp wattage regulation @ ±5% line voltage variation | Minimum ambient starting temperature |
|---|---------------------|------------------------|-------------------|---------------------------------|---|---|------------------------------------|---|--------------|--|--------------------------------------|
| 50W (M110 lamp) | HX – High Reactance | | X | 120 | 1.16 | 90 | 67 | 250 | 90% HPF | ± 12% | -20°F |
| | | | X | 208 | .67 | 150 | 67 | 250 | 90% HPF | ± 12% | -20°F |
| | | | X | 240 | .57 | 175 | 67 | 250 | 90% HPF | ± 12% | -20°F |
| | | | X | 277 | .50 | 208 | 67 | 250 | 90% HPF | ± 12% | -20°F |
| 70W (M98, M101 lamp) | HX – High Reactance | | X | 120 | 1.80 | 90 | 95 | 278 | 90% HPF | ± 12% | -20°F |
| | | | X | 208 | 1.04 | 150 | 95 | 278 | 90% HPF | ± 12% | -20°F |
| | | | X | 240 | .87 | 175 | 95 | 278 | 90% HPF | ± 12% | -20°F |
| | | X | X | 277 | .78 / .78 | 208 / 208 | 95 / 95 | 278 | 90% HPF | ± 12% | -20°F |
| 100W (M90, M92 lamp) | HX – High Reactance | | X | 120 | 2.60 | 75 | 130 | 278 | 90% HPF | ± 12% | -20°F |
| | | | X | 208 | 1.50 | 130 | 130 | 278 | 90% HPF | ± 12% | -20°F |
| | | | X | 240 | 1.30 | 150 | 130 | 278 | 90% HPF | ± 12% | -20°F |
| | | X | X | 277 | 1.15 / 1.15 | 165 / 165 | 130 / 130 | 278 | 90% HPF | ± 12% | -20°F |
| 150W (M102 lamp) | HX – High Reactance | | X | 120 | 3.65 | 75 | 185 | 275 | 90% HPF | ± 12% | -20°F |
| | | | X | 208 | 2.10 | 125 | 185 | 275 | 90% HPF | ± 12% | -20°F |
| | | | X | 240 | 1.80 | 150 | 185 | 275 | 90% HPF | ± 12% | -20°F |
| | | | X | 277 | 1.58 | 160 | 185 | 275 | 90% HPF | ± 12% | -20°F |
| 175W | CWA | X | X | 120 | 1.8 / 1.8 | 55 / 55 | 211 / 211 | 312 / 312 | 90% HPF | ± 8.5% | -20°F |
| | | | X | 208 | 1.1 | 87 | 215 | 312 | 90% HPF | ± 8.5% | -20°F |
| | | | X | 240 | 0.92 | 109 | 213 | 312 | 90% HPF | ± 8.5% | -20°F |
| | | X | X | 277 | .80 / .80 | 118/123 | 212 / 213 | 312 / 312 | 90% HPF | ± 8.5% | -20°F |
| | | | X | 480 | .46 | 191 | 220 | 320 | 90% HPF | ± 8.5% | -20°F |
| 250W & 250W² Pulse Start | CWA | X | X | 120 | 2.62 / 2.62 | 58/60 | 285 / 288 | 310 / 310 | 90% HPF | ± 8% | -20°F |
| | | | X | 208 | 1.51 | 110 | 290 | 310 | 90% HPF | ± 8% | -20°F |
| | | | X | 240 | 1.31 | 117 | 290 | 310 | 90% HPF | ± 8% | -20°F |
| | | X | X | 277 | 1.14 / 1.14 | 140/140 | 293 / 295 | 310 / 310 | 90% HPF | ± 8% | -20°F |
| 250W (Energy Saving) | CWA | X | X | 120 | 2.55 / 2.6 | 50/50 | 280 / 283 | 317 / 317 | 90% HPF | ± 8% | -20°F |
| | | | X | 208 | 1.5 | 85 | 284 | 317 | 90% HPF | ± 8% | -20°F |
| | | | X | 240 | 1.30 | 105 | 284 | 317 | 90% HPF | ± 8% | -20°F |
| | | X | X | 277 | 1.10 / 1.12 | 110/110 | 283 / 285 | 317 / 317 | 90% HPF | ± 8% | -20°F |
| | | | X | 480 | 0.64 | 190 | 285 | 317 | 90% HPF | ± 8% | -20°F |

¹ Where 2 values are given e.g.: .55/.57, left hand value is for single input voltage ballast, right hand value is for multi-tap ballast.

² Maximum distance from ballast to lamp is 10 feet

Product specifications may change without notice.
Please contact your local Holophane factory sales representative for the latest product information.

METAL HALIDE — ELECTRICAL CHARACTERISTICS:

| LAMP | BALLAST TYPE | Single Voltage Ballast | Multi-tap Ballast | Nominal primary voltage (volts) | Maximum input current (amps) ¹ | Primary lamp extinguishing voltage (volts) ¹ | Input wattage (watts) ¹ | Secondary open circuit voltage (volts) ¹ | Power factor | Lamp wattage regulation @ ±10% line voltage variation | Minimum ambient starting temperature |
|---|--------------------------------|------------------------|-------------------|---------------------------------|---|---|------------------------------------|---|--------------|---|--------------------------------------|
| 320W ² Pulse Start | CWA | | X | 120 | 3.18 | 65 | 360 | 294 | 90% HPF | ± 8% | - 20°F |
| | | | X | 208 | 1.86 | 110 | 360 | 294 | 90% HPF | ± 8% | - 20°F |
| | | | X | 240 | 1.60 | 125 | 360 | 294 | 90% HPF | ± 8% | - 20°F |
| | | X | X | 277 | 1.40 / 1.40 | 145 / 145 | 360 / 360 | 294 / 294 | 90% HPF | ± 8% | - 20°F |
| | | X | | 480 | .81 | 220 | 366 | 300 | 90% HPF | ± 8% | - 20°F |
| 350W ² Pulse Start | R- Reactor ³ | X | | 277 | 2.10 | 200 | 375 | 277 | 90% HPF | ± 8% | - 20°F |
| 350W2 Pulse Start (Energy Saving) | CWA | | X | 120 | 3.39 | 65 | 382 | 273 | 90% HPF | ± 8% | - 20°F |
| | | | X | 208 | 1.94 | 115 | 382 | 273 | 90% HPF | ± 8% | - 20°F |
| | | | X | 240 | 1.67 | 125 | 382 | 273 | 90% HPF | ± 8% | - 20°F |
| | | X | X | 277 | 1.47 / 1.47 | 150/150 | 382 / 382 | 273 / 273 | 90% HPF | ± 8% | - 20°F |
| | | X | | 480 | 0.85 | 245 | 387 | 280 | 90% HPF | ± 8% | - 20°F |
| 400W Pulse Start ² | R- Reactor ³ | | X | 277 | 2.53 | 185 | 430 | 277 | 90% HPF | ± 8% | - 20°F |
| 400W & 400W ² Pulse Start | CWA | X | X | 120 | 4.0 / 4.0 | 75 / 75 | 453 / 455 | 290 / 290 | 90% HPF | ± 10% | - 20°F |
| | | | X | 208 | 2.3 | 125 | 456 | 290 | 90% HPF | ± 10% | - 20°F |
| | | | X | 240 | 2.0 | 145 | 458 | 290 | 90% HPF | ± 10% | - 20°F |
| | | X | X | 277 | 1.74 / 1.74 | 165 / 165 | 456 / 459 | 290 / 290 | 90% HPF | ± 10% | - 20°F |
| | | X | | 480 | 1.0 | 290 | 460 | 290 | 90% HPF | ± 10% | - 20°F |
| 400W ² | Mag Reg | X | | 120 | 4.0 | 40 | 470 | 315 | 90% HPF | ± 1% | - 20°F |
| | | X | | 208 | 2.3 | 68 | 470 | 315 | 90% HPF | ± 1% | - 20°F |
| | | X | | 240 | 2.0 | 80 | 470 | 315 | 90% HPF | ± 1% | - 20°F |
| | | X | | 277 | 1.75 | 95 | 470 | 315 | 90% HPF | ± 1% | - 20°F |
| | | X | | 480 | 1.0 | 160 | 470 | 315 | 90% HPF | ± 1% | - 20°F |
| 400W (Energy Saving) & 400W ² Pulse Start (Energy Saving) | CWA | X | X | 120 | 3.85 / 3.9 | 60 / 60 | 438 / 445 | 297 / 297 | 90% HPF | ± 8% | - 20°F |
| | | | X | 208 | 2.25 | 90 | 440 | 297 | 90% HPF | ± 8% | - 20°F |
| | | | X | 240 | 1.95 | 105 | 442 | 297 | 90% HPF | ± 8% | - 20°F |
| | | X | X | 277 | 1.65 / 1.7 | 139 / 130 | 440 / 444 | 297 / 297 | 90% HPF | ± 8% | - 20°F |
| | | X | | 480 | 0.98 | 253 | 446 | 297 | 90% HPF | ± 8% | - 20°F |
| 1000W (Energy Saving) | CWA | X | X | 120 | 9.0 / 9.0 | 70/70 | 1060 / 1065 | 428 / 428 | 90% HPF | ± 10% | - 20°F |
| | | | X | 208 | 5.1 | 125 | 1065 | 428 | 90% HPF | ± 10% | - 20°F |
| | | | X | 240 | 4.5 | 150 | 1065 | 428 | 90% HPF | ± 10% | - 20°F |
| | | X | X | 277 | 3.85 / 3.85 | 165 / 160 | 1065 / 1065 | 428 / 428 | 90% HPF | ± 10% | - 20°F |
| | | X | | 480 | 2.3 | 305 | 1065 | 428 | 90% HPF | ± 10% | - 20°F |
| 1500W | CWA | X | | 120 | 14.5 | 75 | 1610 | 415 | 90% HPF | ± 10% | - 20°F |
| | | X | | 208 | 8.4 | 130 | 1610 | 415 | 90% HPF | ± 10% | - 20°F |
| | | X | | 240 | 7.2 | 150 | 1610 | 415 | 90% HPF | ± 10% | - 20°F |
| | | X | | 277 | 6.3 | 173 | 1610 | 415 | 90% HPF | ± 10% | - 20°F |
| | | X | | 480 | 3.6 | 200 | 1610 | 415 | 90% HPF | ± 10% | - 20°F |

All Holophane ballasts are made to conform to ANSI C-82.4 and UL 1029 specifications.

¹ Where 2 values are given e.g. .55/.57, left hand value is for single input voltage ballast, right hand value is for multi-tap ballast.

² Maximum distance from ballast to lamp is 10 feet.

³ Lamp wattage regulation @ ±5% line voltage variation

Product specifications may change without notice. Please contact your local Holophane factory sales representative for the latest product information.

347V (CANADA) — HIGH PRESSURE SODIUM AND METAL HALIDE — ELECTRICAL CHARACTERISTICS:

| | | Nominal primary voltage (volts) | Maximum input current (amps) | Primary lamp extinguishing voltage (volts) | Input wattage (watts) | Secondary open circuit voltage (volts) | Power factor | Lamp wattage regulation @ $\pm 5\%$ or $\pm 10\%$ line voltage variation | Minimum ambient starting temperature |
|---|--------------------|---------------------------------|------------------------------|--|-----------------------|--|--------------|--|--------------------------------------|
| Metal Halide | | | | | | | | | |
| Lamp | Ballast type | | | | | | | | |
| $\pm 10\%$ line voltage variation | | | | | | | | | |
| 175W | CWA | 347 | 0.64 | 160 | 212 | 315 | 90% HPF | $\pm 9\%$ | -20°F |
| 250W | CWA | 347 | 0.89 | 170 | 294 | 320 | 90% HPF | $\pm 8\%$ | -20°F |
| 250ES | CWA | 347 | 0.89 | 140 | 284 | 317 | 90% HPF | $\pm 8\%$ | -20°F |
| 320W | CWA | 347 | 1.10 | 175 | 362 | 295 | 90% HPF | $\pm 8\%$ | -20°F |
| 350W ES | CWA | 347 | 1.15 | 180 | 384 | 273 | 90% HPF | $\pm 8\%$ | -20°F |
| 400W | CWA | 347 | 1.38 | 210 | 456 | 290 | 90% HPF | $\pm 10\%$ | -20°F |
| 400ES | CWA | 347 | 1.35 | 180 | 442 | 300 | 90% HPF | $\pm 8\%$ | -20°F |
| 1000W | CWA | 347 | 3.1 | 220 | 1065 | 433 | 90% HPF | $\pm 10\%$ | -20°F |
| 1500W | CWA | 347 | 4.7 | 220 | 1580 | 425 | 90% HPF | $\pm 10\%$ | -20°F |
| $\pm 5\%$ line voltage variation | | | | | | | | | |
| 50W | HX- High Reactance | 347 | 0.43 | 260 | 67 | 250 | 90% HPF | $\pm 12\%$ | -20°F |
| 70W | HX- High Reactance | 347 | 0.60 | 260 | 95 | 255 | 90% HPF | $\pm 12\%$ | -20°F |
| 100W | HX- High Reactance | 347 | 1.00 | 260 | 129 | 280 | 90% HPF | $\pm 12\%$ | -20°F |
| 150W | HX- High Reactance | 347 | 1.25 | 260 | 185 | 265 | 90% HPF | $\pm 12\%$ | -20°F |
| High Pressure Sodium | | | | | | | | | |
| $\pm 5\%$ line voltage variation | | | | | | | | | |
| 70W | HX- High Reactance | 347 | 0.52 | 260 | 92 | 125 | 90% HPF | $\pm 10\%$ | -40°F |
| 100W | HX- High Reactance | 347 | 0.82 | 260 | 130 | 126 | 90% HPF | $\pm 12\%$ | -40°F |
| 150W 55V | HX- High Reactance | 347 | 1.22 | 260 | 188 | 135 | 90% HPF | $\pm 12\%$ | -40°F |
| 150W 100V | HX- High Reactance | 347 | 1.10 | 260 | 189 | 245 | 90% HPF | $\pm 12\%$ | -40°F |
| $\pm 10\%$ line voltage variation | | | | | | | | | |
| 250W | CWA | 347 | 0.91 | 230 | 310 | 205 | 90% HPF | $\pm 12\%$ | -40°F |
| 250W ES | CWA | 347 | 0.87 | 260 | 294 | 205 | 90% HPF | $\pm 12\%$ | -40°F |
| 400W | CWA | 347 | 1.35 | 230 | 460 | 186 | 90% HPF | $\pm 13\%$ | -40°F |
| 400W ES | CWA | 347 | 1.35 | 260 | 446 | 188 | 90% HPF | $\pm 13\%$ | -40°F |
| 1000W | CWA | 347 | 3.18 | 280 | 1082 | 410 | 90% HPF | $\pm 13\%$ | -40°F |
| 250W | Mag Reg | 347 | 0.89 | 200 | 305 | 225 | 90% HPF | $\pm 6\%$ | -40°F |
| 400W | Mag Reg | 347 | 1.38 | 135 | 470 | 230 | 90% HPF | $\pm 3\%$ | -40°F |



All Holophane ballasts are UL recognized components.

Note: Ungrounded power distribution systems may carry high transient line voltage under fault conditions. Because high transients can cause premature ballast failure, possible with ballasts of any manufacturer's design, it is not recommended that luminaires be operated on any ungrounded systems.

Caution: Replacement of any fixture system components; i.e., lamp holders, ballasts, fixture components, mounting or connections with other than the originally approved components may void the UL listing for the fixture.

The physical properties of Holophane integral ballasts represent typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check with your local Holophane sales representative to assure current information.

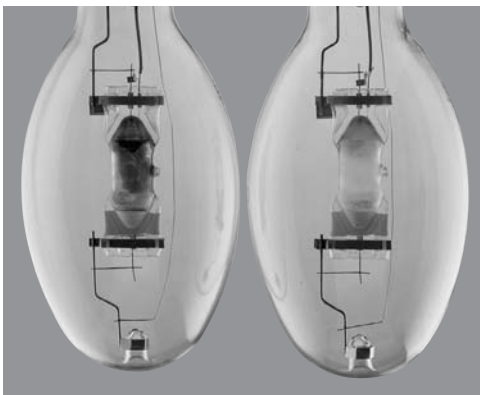
Electronic Metal Halide

Electronic HID Ballasts

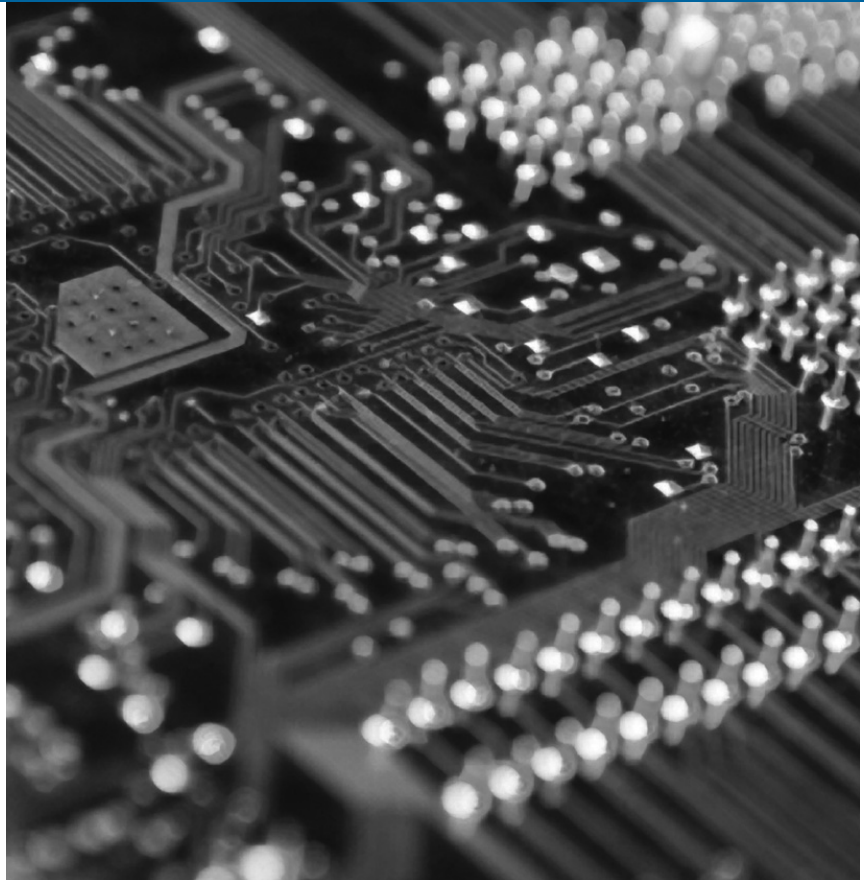
Electronic ballasts, commonly used in fluorescent lighting systems and low wattage HID systems, will now gain acceptance in medium wattage metal halide packages.

Just as electronic ballast technology improved fluorescent lighting systems, electronic HID ballasts bring significant performance gains to metal halide lighting systems. While magnetic ballasts operate and deliver power to the lamps at the input voltage frequency of 60Hz/50Hz, electronic ballasts convert the low frequency input to operate the lamps at much higher frequencies. This results in significant improvements in the lighting system.

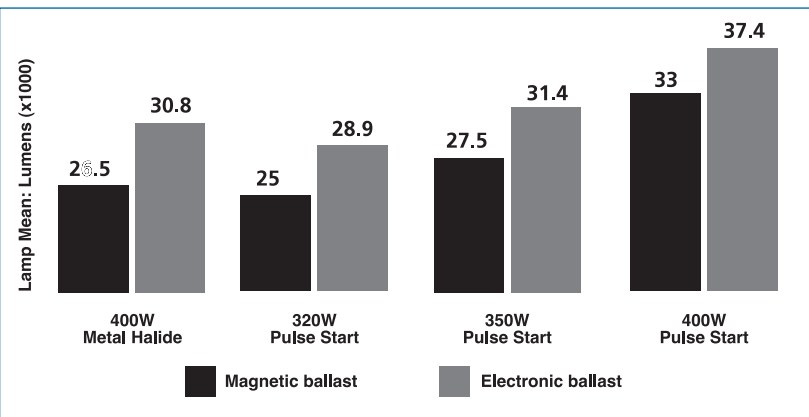
Improved lumen maintenance, or the ability to minimize light output depreciation, is the most fundamental benefit of electronic HID ballasts. With increased light output, either fewer fixtures or lower wattages can be utilized resulting in reduced installation costs, lower maintenance costs and more importantly lower energy costs. Additional benefits that electronic HID ballasts provide are higher lamp efficacy and ballast efficiency. Consistent lamp wattage over lamp life reduces energy costs. Enhanced color control yielding fewer or lower wattage fixtures, less color shift and lower operating costs with respect to energy and lamp replacement.



Unaltered photo of two 400W typical lamps, taken at mean lamp life (8,000 hours). Note the difference in arc tube condition. The lamp on the left shows the arc tube blackening effect caused by the use of magnetic ballasts. The lamp at the right shows the minimal arc tube discoloration that is characteristic of lamps operated on an electronic ballast from Holophane. The lamp on the right is capable of generating at least 15% more mean lumens than the magnetically ballasted lamp at the left.



Electronic Ballasts Improve Lamp Lumen Output



More Lumens

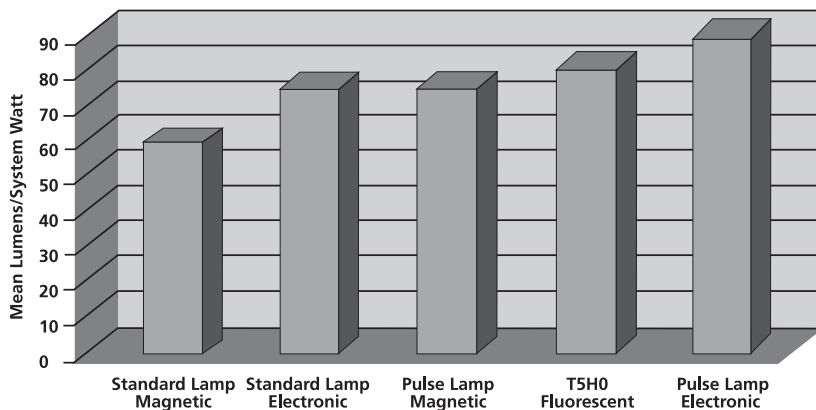
Electronic ballast technology improves lamp lumen depreciation in pulse start and standard metal halide lamps. Mean lumen output is increased by 15% on standard metal halide lamps and by 13% on pulse start lamps.

Electronic Metal Halide:

Compared to alternative metal halide systems electronic ballasts can provide equivalent light levels while significantly reducing system watts. The information in the example compares a lighting system of (100) 400W pulse start lamps operated on an electronic ballast to other metal halide lamp/magnetic ballast systems. An electronic ballast operating a pulse start lamp can reduce total fixture count by 30% and reduce the lighting system wattage consumed by over 50% while maintaining equivalent light levels.



Electronic Ballast Improves Lighting System Efficacy



| | 5 | 4 | 3 | 2 | 1 |
|-------------------------|----------------|----------------|-------------------|----------------|-------------------|
| Ballast type | Magnetic | Electronic | Magnetic | Fluorescent | Electronic |
| Lamp/type | 400 MH | 400 MH | 400 PM | T5HO | 400 PM |
| Lamp count | 141 | 123 | 113 | 788 | 100 |
| Lamp | MVR400/VBU/XHO | MVR400/VBU/XHO | MVR400/VBU/XHO/PA | F54W/T5/830/HO | MVR400/VBU/XHO/PA |
| Initial Lumens | 41,000 | 41,000 | 44,000 | 5,000 | 44,000 |
| Mean lumens | 26,500 | 30,475 | 33,000 | 4700 | 37,400 |
| Total mean lumens | 3,736,500 | 3,748,425 | 3,729,000 | 3,703,600 | 3,740,000 |
| System watts/lamp | 460 | 426 | 460 | 59 | 426 |
| Total watts | 64,860 | 52,398 | 51,980 | 46,492 | 42,600 |
| System mean lumens/watt | 58 | 72 | 72 | 80 | 88 |
| Improvement | | 24% | 24% | 38% | 52% |



Holophane Elite Series Electronic Ballasts - Electrical Characteristics 50/60Hz (Typical) @ 25°C

| Ballast Input | | | | | | | | Ballast Output | | | |
|---------------|--------------------------------|------------------------------|----------------------------------|---------------------------------|---------------------------|----------------------|-------------------|--|-------------------|------------------------|------------------------------------|
| Lamp Wattage | Ballast Nominal Voltage (Vrms) | Ballast Voltage Range (Vrms) | Maximum Operating Current (Arms) | Maximum Peak Inrush Current (A) | Power Factor @ 100% Power | THD @ 100% Power (%) | Maximum Power (W) | Lamp Wattage Regulation over Input Voltage Range (%) | Ballast Factor BF | Ballast Efficiency (%) | Dimming Range (%) of Maximum Power |
| 320W | 208 | 187-305 | 1.7 | 100 | 0.99 | 10 | 343 | ±0.5 | 1.0 | 94 | 100 - 50 |
| | 240 | | 1.5 | | 0.98 | 12 | 343 | | 1.0 | 94 | 100 - 50 |
| | 277 | | 1.3 | | 0.97 | 13 | 343 | | 1.0 | 94 | 100 - 50 |
| 350W | 208 | 187-305 | 1.9 | 100 | 0.99 | 9 | 388 | ±0.5 | 1.0 | 93 | 100 - 50 |
| | 240 | | 1.6 | | 0.99 | 11 | 387 | | 1.0 | 94 | 100 - 50 |
| | 277 | | 1.4 | | 0.98 | 12 | 386 | | 1.0 | 95 | 100 - 50 |
| 400W | 208 | 187-305 | 2.0 | 100 | 1.00 | 9 | 420 | ±0.5 | 1.0 | 94 | 100 - 50 |
| | 240 | | 1.8 | | 0.99 | 10 | 420 | | 1.0 | 94 | 100 - 50 |
| | 277 | | 1.5 | | 0.98 | 12 | 420 | | 1.0 | 94 | 100 - 50 |

Product specifications may change without notice. Please contact your local Holophane factory sales representative for the latest product information.

Ballast Product Offering



Enhancing the ease with which distributors and end users can support their replacement and retrofit needs, Holophane's variety of replacement ballast kits assemble the required ballast and components in one convenient package and eliminate the need for distributors or end users to stock loose components. Holophane replacement ballast kits for existing fixtures are fine-tuned for a variety of High Pressure Sodium, Metal Halide and Pulse Start Metal Halide lamp wattages and voltages and can result in significant energy savings when compared to ballasts from other manufacturers. Detailed wiring instructions are included with each kit.

Product Offering



Ballast Replacement Kits.....310-313



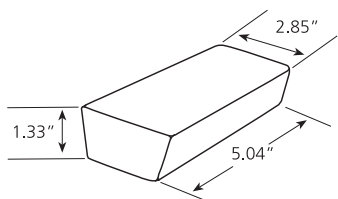
RR — Remote and Recessed Ballast.....314

Replacement Ballast Kits

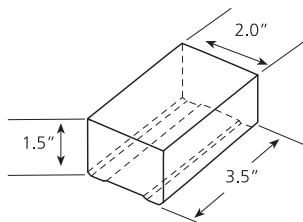
Standard components for replacement of most existing *Holophane HID* ballasts

Benefits

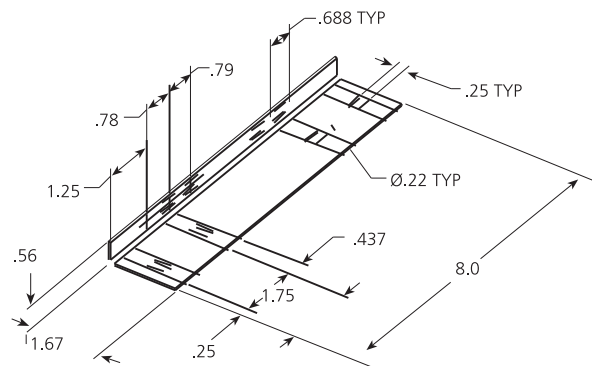
- 3 year warranty
- Easy installation
- Energy saving
- Long life
- High temperature rating
- High power factor
- UL recognized components
- Multi-voltage
- Shipped from stock
- Brackets, hardware and instructions included



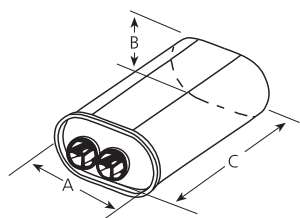
Potted Protected Starter (1000W HPS)



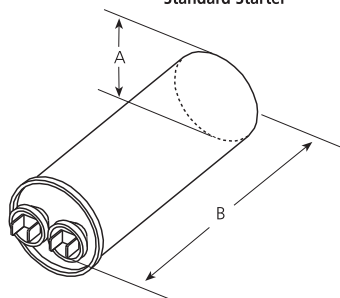
Potted PS and Standard Starter



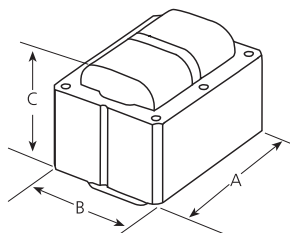
Mounting Bracket



Oval Capacitor
(See dimensions on page 315)



Round Capacitor
(See dimensions on page 314)



Ballast
(See dimensions on page 314 and 315)

**Replacement Ballast Kits for
Oval Capacitor — Ballast Kit A**

Crestwood® Series
 GranVille® (before April, 2001)
 High Mast Enclosed Cutoff
 High Mast System
 Jefferson
 Module 600®
 Petrolux® Series
 Predator® (Large)
 Prismbeam® II
 Somerset®
 Substation®
 Tear Drop
 Vector
 Visualite®

**Replacement Ballast Kits for
Round Capacitor — Ballast Kit B**

02454, 24I - Integrally mounted
 02454, 24S - Surface mounted
 Acrylic Historical Series
 Bantam 2000® Series (except 050MH)
 Compact PrismGlo® - PAC
 Dorchester Series
 Enclosed Primalume® (400W and lower)
 Enclosed Prismpack® (400W and lower)
 Enduralume® V
 GlasWerks® II Series
 GranVille® (after April, 2001)
 Harp Series
 Illuminaire®
 Indoor Refractopack®
 Lobay® V
 Low Profile Series
 Messenger®
 Mongoose®
 Panel-Vue (100W and 250W)
 Parkpak®
 Pedestrian Tear Drop
 PGRL, PGI
 PoleStar® II
 Predator® (Small)
 Primalume® (except large housing)
 PrismGlo® (except BL2D)
 Prismpack® V (except large housing)
 Refractopack®
 RSL-200
 Sign-Vue® II
 Syracuse
 Twin Series
 Utility Series
 Vantage® ALT
 Vantage® VA and VH (250W only)
 Wallpack® Series
 Washington PostLite®

**Replacement Ballast Kits for
Round Capacitor — Ballast Kit C (100°C)**

CentaGlo® (400W for 65°C)
 Enclosed Primalume® (750 and 1000W)
 Enclosed Prismpack® (750 and 1000W)
 Panel-Vue® (150 and 400W HPS)
 Primalume® (400W for 65°C, 750 and 1000W)
 PrismGlo® - BL2D
 Prismpack® V (400W for 65°C, 750 and 1000W)
 Sign-Vue® II (150 and 400W HPS)
 Vantage® VK
 Vantage® VA and VH (400W)

**Holophane Products Which Cannot Use
Replacement ballast kits**

02454, 24N - Non-ballasted
 *02454, 24R - Remote mounted
 Compact PrismGlo - PAB
 CrystalGlo®
 *Primalume® Enclosed - Remote
 *Prismpack® Enclosed - Remote
 Mirrolume®
 Petrolume®
 PGRL, PGN - Non-ballasted
 *PGRL, PGR - Remote mounted
 *PrismGlo® Remote Ballast
 RE Luminaire

*Use RR ballast for replacement

HOLOPHANE®

| ROUND CAPACITOR | | | | | | |
|--------------------|--------------------------------|--------------------|---------------------|---------------------------------|---------------------------------|------------------|
| Lamp | Catalog Number | Input Voltage | Ballast A x B x C | Round Capacitor A x B | Ballast Type | Net Wt. kg (lbs) |
| 35W HPS | RBK035HP12B | 120 | 2.50 x 3.00 x 2.30 | 1.75 x 3.57 | R- Reactor | 2 (4) |
| 50W HPS | RBK050HP12B | 120 | 2.50 x 3.00 x 2.31 | 1.75 x 3.57 | R- Reactor | 2 (5) |
| | RBK050HP48B | 480 | 4.00 x 2.87 x 3.00 | 1.75 x 3.57 | HX - High Reactance | 2 (5) |
| | RBK050HPMTB | 120/208/240/277 | 4.00 x 2.87 x 2.69 | 1.75 x 3.57 | HX - High Reactance - Multi-Tap | 2 (5) |
| 70W HPS | RBK070HP12B | 120 | 2.50 x 3.00 x 2.36 | 1.75 x 3.94 | R- Reactor | 3 (6) |
| | RBK070HP48B | 480 | 4.00 x 2.87 x 3.00 | 1.75 x 2.94 | HX - High Reactance | 3 (6) |
| | RBK070HPMTB | 120/208/240/277 | 4.00 x 2.87 x 2.68 | 1.75 x 2.94 | HPF Auto Multi-Tap | 3 (6) |
| 100W HPS | RBK100HP12B | 120 | 2.50 x 3.00 x 2.59 | 1.75 x 3.94 | R- Reactor | 4 (8) |
| | RBK100HP48B | 480 | 4.00 x 2.87 x 3.81 | 1.75 x 2.94 | HX - High Reactance | 4 (8) |
| | RBK100HPMTB | 120/208/240/277 | 4.00 x 2.87 x 3.25 | 1.75 x 2.94 | HPF Auto Multi-Tap | 4 (8) |
| 150W HPS 55V | RBK15AHP12B | 120 | 2.50 x 3.00 x 3.30 | 1.75 x 4.81 | R- Reactor | 5 (10) |
| | RBK15AHP48B | 480 | 4.00 x 2.87 x 4.10 | 1.75 x 2.94 | HX - High Reactance | 5 (10) |
| | RBK15AHPMTB | 120/208/240/277 | 4.00 x 2.87 x 3.75 | 1.75 x 2.94 | HPF Auto Multi-Tap | 5 (10) |
| 150W HPS 100V | RBK15BHP48B | 480 | 4.00 x 2.87 x 3.81 | 1.75 x 2.94 | HX - High Reactance | 4 (9) |
| | RBK15BHPMTB | 120/208/240/277 | 4.00 x 2.87 x 3.38 | 1.75 x 2.94 | HPF Auto Multi-Tap | 4 (9) |
| 200W HPS | RBK200HP48B | 480 | 4.87 x 4.25 x 3.13 | 1.75 x 4.81 | CWA | 5 (12) |
| | RBK200HPMTB | 120/208/240/277 | 4.87 x 4.25 x 3.13 | 1.75 x 4.81 | CWA - Multi-Tap | 5 (12) |
| 250W HPS | RBK250HP48B | 480 | 4.87 x 4.25 x 3.31 | 1.75 x 3.88 | CWA | 5 (12) |
| | RBK250HPMTB | 120/208/240/277 | 4.87 x 4.25 x 3.31 | 1.75 x 3.88 | CWA - Multi-Tap | 5 (12) |
| | RBK25LHP48B | 480 | 4.87 x 4.25 x 3.31 | 1.75 x 3.88 | CWA (Energy Saving) | 5 (12) |
| | RBK25LHPMTB | 120/208/240/277 | 4.87 x 4.25 x 3.31 | 1.75 x 3.88 | CWA - Multi-Tap (Energy Saving) | 5 (12) |
| | RBK25RHXXB¹ | See note 1 | 4.87 x 4.25 x 4.63 | 1.75 x 3.94 | Mag-Reg | 7 (16) |
| 400W HPS | RBK400HP48B | 480 | 4.87 x 4.25 x 4.31 | 1.75 x 4.81 | CWA | 8 (17) |
| | RBK400HPMTB | 120/208/240/277 | 4.87 x 4.25 x 4.31 | 1.75 x 4.81 | CWA - Multi-Tap | 8 (17) |
| | RBK40LHP48B | 480 | 4.87 x 4.25 x 4.31 | 1.75 x 4.81 | CWA (Energy Saving) | 8 (18) |
| | RBK40LHPMTB | 120/208/240/277 | 4.87 x 4.25 x 4.31 | 1.75 x 4.81 | CWA - Multi-Tap (Energy Saving) | 8 (18) |
| | RBK40RHXXB¹ | See note 1 | 6.12 x 4.25 x 4.69 | 2.50 x 3.37 | Mag-Reg | 10 (22) |
| | RBK400HP48C | 480 | 4.87 x 4.25 x 4.31 | 2.50 x 3.37 | CWA | 8 (17) |
| 1000W HPS | RBK400HPMTC | 120/208/240/277 | 4.87 x 4.25 x 4.31 | 2.50 x 3.37 | CWA - Multi-Tap | 8 (17) |
| | RBK10HP48B | 480 | 6.12 x 4.25 x 5.94 | 2.50 x 3.87 | CWA | 13 (28) |
| | RBK10HPMTB | 120/208/240/277 | 6.12 x 4.25 x 5.94 | 2.50 x 3.87 | CWA - Multi-Tap | 13 (28) |
| 50W MH | RBK050MHMTB | 120/208/240/277 | 3.94 x 2.81 x 2.91 | 1.75 x 2.94 | CWA - Multi-Tap | 3 (6) |
| 70W MH | RBK070MHMTB | 120/208/240/277 | 3.94 x 2.81 x 2.80 | 1.75 x 2.94 | CWA - Multi-Tap | 3 (7) |
| 100W MH | RBK100MHMTB | 120/208/240/277 | 3.94 x 2.81 x 2.90 | 1.75 x 2.94 | CWA - Multi-Tap | 4 (9) |
| 150W MH | RBK150MHMTB | 120/208/240/277 | 3.94 x 2.81 x 3.91 | 1.75 x 2.94 | CWA - Multi-Tap | 5 (10) |
| 175W MH | RBK175MH48B | 480 | 4.00 x 2.87 x 3.82 | 1.75 x 2.94 | CWA | 5 (10) |
| | RBK175MHMTB | 120/208/240/277 | 4.00 x 2.87 x 3.68 | 1.75 x 2.94 | CWA - Multi-Tap | 5 (10) |
| | RBK175PM48B | 480 | 4.00 x 2.87 x 3.82 | 1.75 x 2.94 | CWA | 5 (10) |
| | RBK175PMMTB | 120/208/240/277 | 4.00 x 2.87 x 3.68 | 1.75 x 2.94 | CWA - Multi-Tap | 5 (10) |
| 250W MH | RBK250MH48B | 480 | 4.87 x 4.25 x 3.50 | 1.75 x 3.94 | CWA | 5 (11) |
| | RBK250MHMTB | 120/208/240/277 | 4.87 x 4.25 x 3.25 | 1.75 x 3.94 | CWA - Multi-Tap | 5 (11) |
| | RBK25LMH48B | 480 | 4.87 x 4.25 x 3.50 | 1.75 x 3.94 | CWA (Energy Saving) | 7 (15) |
| | RBK25LMHMTB | 120/208/240/277 | 4.87 x 4.25 x 3.25 | 1.75 x 3.94 | CWA - Multi-Tap (Energy Saving) | 7 (15) |
| | RBK250PM48B | 480 | 4.87 x 4.25 x 3.50 | 1.75 x 3.94 | CWA | 5 (11) |
| | RBK250PMMTB | 120/208/240/277 | 4.87 x 4.25 x 3.25 | 1.75 x 3.94 | CWA - Multi-Tap | 5 (11) |
| | RBK25LPM48B | 480 | 4.87 x 4.25 x 3.50 | 1.75 x 3.94 | CWA (Energy Saving) | 7 (15) |
| RBK25LPMMTB | 120/208/240/277 | 4.87 x 4.25 x 3.25 | 1.75 x 3.94 | CWA - Multi-Tap (Energy Saving) | 7 (15) | |
| 320W MH | RBK320PM48B | 480 | 4.87 x 4.25 x 4.25 | 1.75 x 3.94 | CWA | 6 (14) |
| | RBK320PMMTB | 120/208/240/277 | 4.87 x 4.25 x 4.13 | 1.75 x 3.94 | CWA - Multi-Tap | 6 (14) |
| 350W MH | RBK350PM48B | 480 | 4.87 x 4.25 x 4.00 | 1.75 x 4.25 | R- Reactor | 6 (14) |
| | RBK350PMMTB | 120/208/240/277 | 4.87 x 4.25 x 3.66 | 1.75 x 4.25 | R- Reactor - Multi-Tap | 6 (14) |
| | RBK35LPM48B | 480 | 4.87 x 4.25 x 4.00 | 1.75 x 4.25 | CWA | 6 (14) |
| | RBK35LPMMTB | 120/208/240/277 | 4.87 x 4.25 x 3.66 | 1.75 x 4.25 | CWA - Multi-Tap | 6 (14) |
| 400W MH | RBK400MH48B | 480 | 4.87 x 4.25 x 4.25 | 1.75 x 4.81 | CWA | 7 (15) |
| | RBK400MHMTB | 120/208/240/277 | 4.87 x 4.25 x 4.25 | 1.75 x 4.81 | CWA - Multi-Tap | 7 (15) |
| | RBK40LMH48B | 480 | 4.87 x 4.25 x 4.18 | 1.75 x 4.81 | CWA (Energy Saving) | 7 (15) |
| | RBK40LMHMTB | 120/208/240/277 | 4.87 x 4.25 x 3.88 | 1.75 x 4.81 | CWA - Multi-Tap (Energy Saving) | 7 (15) |
| | RBK40RMHXXB¹ | See note 1 | 6.12 x 4.25 x 5.88 | 2.50 x 3.37 | Mag Reg | 11 (24) |
| | RBK400PM48B | 480 | 4.87 x 4.25 x 4.25 | 1.75 x 4.81 | CWA | 7 (15) |
| | RBK400PMMTB | 120/208/240/277 | 4.87 x 4.25 x 4.25 | 1.75 x 4.81 | CWA - Multi-Tap | 7 (15) |
| | RBK40LPM48B | 480 | 4.87 x 4.25 x 4.18 | 1.75 x 4.81 | CWA (Energy Saving) | 7 (15) |
| | RBK40LPMMTB | 120/208/240/277 | 4.87 x 4.25 x 3.88 | 1.75 x 4.81 | CWA - Multi-Tap (Energy Saving) | 7 (15) |
| | RBK400MH48C | 480 | 4.87 x 4.25 x 4.25 | 2.50 x 3.37 | CWA | 7 (15) |
| RBK400MHMTC | 120/208/240/277 | 4.87 x 4.25 x 4.25 | 2.50 x 3.37 | CWA - Multi-Tap | 7 (15) | |
| 750W MH | RBK750PM48C | 480 | 6.125 x 4.25 x 5.12 | 2.50 x 3.37 | CWA | 11 (24) |
| | RBK750PMMTC | 120/208/240/277 | 6.125 x 4.25 x 5.12 | 2.50 x 3.37 | CWA - Multi-Tap | 11 (24) |
| 1000W | RBK10MH48B | 480 | 6.12 x 4.25 x 5.12 | 2.50 x 3.37 | CWA | 11 (24) |
| | RBK10MH48C | 480 | 6.12 x 4.25 x 5.12 | 2.50 x 3.37 | CWA | 11 (24) |
| | RBK10MHMTC | 120/208/240/277 | 6.12 x 4.25 x 5.12 | 2.50 x 3.37 | CWA - Multi-Tap | 11 (24) |
| 1500W MH | RBK15MHXXB¹ | See note 1 | 6.12 x 4.25 x 4.50 | 2.50 x 4.44 | CWA | 15 (32) |

NOTES: 1 Insert voltage 12-120V; 20-208V; 24-240V; 27-277V; or 48-480V for "XX" in catalog number
These voltages available at the same price

| OVAL CAPACITOR | | | | | | |
|------------------|--------------------------|-----------------|--------------------|--------------------------|---------------------------------|------------------|
| Lamp | Catalog Number* | Input Voltage | Ballast A x B x C | Oval Capacitor A x B x C | Ballast Type | Net Wt. kg (lbs) |
| 35W HPS | RBK35NHP12 | 120 | 2.50 x 3.00 x 2.30 | NONE | R- Reactor | 2 (4) |
| | RBK035HP12A | 120 | 2.50 x 3.00 x 2.30 | 2.69 x 1.56 x 3.63 | R- Reactor | 2 (4) |
| 50W HPS | RBK05NHP12 | 120 | 2.50 x 3.00 x 2.31 | NONE | R- Reactor | 2 (5) |
| | RBK050HP12A | 120 | 2.50 x 3.00 x 2.31 | 2.69 x 1.56 x 3.63 | R- Reactor | 2 (5) |
| | RBK050HP48A | 480 | 4.00 x 2.87 x 3.00 | 2.69 x 1.56 x 3.26 | HX - High Reactance | 2 (5) |
| | RBK050HPMTA | 120/208/240/277 | 4.00 x 2.87 x 2.69 | 2.69 x 1.56 x 3.26 | HX - High Reactance - Multi-Tap | 2 (5) |
| 70W HPS | RBK07NHP12 | 120 | 2.50 x 3.00 x 2.36 | NONE | R- Reactor | 3 (6) |
| | RBK070HP12A | 120 | 2.50 x 3.00 x 2.36 | 2.69 x 1.56 x 3.63 | R- Reactor | 3 (6) |
| | RBK070HP48A | 480 | 4.00 x 2.87 x 3.00 | 2.69 x 1.56 x 3.00 | HX - High Reactance | 3 (6) |
| | RBK070HPMTA | 120/208/240/277 | 4.00 x 2.87 x 2.68 | 2.69 x 1.56 x 3.00 | HX - High Reactance - Multi-Tap | 3 (6) |
| 100W HPS | RBK10NHP12 | 120 | 2.50 x 3.00 x 2.59 | NONE | Reactor | 4 (8) |
| | RBK100HP12A | 120 | 2.50 x 3.00 x 2.59 | 2.91 x 1.91 x 3.64 | Reactor | 4 (8) |
| | RBK100HP48A | 480 | 4.00 x 2.87 x 3.81 | 2.69 x 1.56 x 3.25 | HX - High Reactance | 4 (8) |
| | RBK100HPMTA | 120/208/240/277 | 4.00 x 2.87 x 3.25 | 2.69 x 1.56 x 3.25 | HX - High Reactance - Multi-Tap | 4 (8) |
| 150W HPS 55V | RBK15NHP12 | 120 | 2.50 x 3.00 x 3.30 | NONE | R- Reactor | 5 (10) |
| | RBK15AHP12A | 120 | 2.50 x 3.00 x 3.30 | 2.91 x 1.91 x 4.50 | R- Reactor | 5 (10) |
| | RBK15AHP48A | 480 | 4.00 x 2.87 x 4.10 | 2.69 x 1.56 x 3.63 | HX - High Reactance | 5 (10) |
| | RBK15AHPMTA | 120/208/240/277 | 4.00 x 2.87 x 3.75 | 2.69 x 1.56 x 3.63 | HX - High Reactance - Multi-Tap | 5 (10) |
| 150W HPS 100V | RBK15BHP48A | 480 | 4.00 x 2.87 x 3.81 | 2.69 x 1.56 x 3.63 | HX - High Reactance | 4 (9) |
| | RBK15BHPMTA | 120/208/240/277 | 4.00 x 2.87 x 3.38 | 2.69 x 1.56 x 3.63 | HX - High Reactance - Multi-Tap | 4 (9) |
| 200W HPS | RBK200HP48A | 480 | 4.87 x 4.25 x 3.13 | 2.91 x 1.91 x 4.50 | CWA | 5 (12) |
| | RBK200HPMTA | 120/208/240/277 | 4.87 x 4.25 x 3.13 | 2.91 x 1.91 x 4.50 | CWA - Multi-Tap | 5 (12) |
| 250W HPS | RBK250HP48A | 480 | 4.87 x 4.25 x 3.31 | 2.91 x 1.91 x 3.50 | CWA | 5 (12) |
| | RBK250HPMTA | 120/208/240/277 | 4.87 x 4.25 x 3.31 | 2.91 x 1.91 x 3.50 | CWA - Multi-Tap | 5 (12) |
| | RBK25LHP48A | 480 | 4.87 x 4.25 x 3.31 | 2.91 x 1.91 x 3.50 | CWA (Energy Saving) | 5 (12) |
| | RBK25LHPMTA | 120/208/240/277 | 4.87 x 4.25 x 3.31 | 2.91 x 1.91 x 3.50 | CWA - Multi-Tap (Energy Saving) | 5 (12) |
| | RBK25RHPXXA ¹ | See note 1 | 4.87 x 4.25 x 4.63 | 2.91 x 1.91 x 4.50 | Mag-Reg | 7 (16) |
| 400W HPS | RBK400HP48A | 480 | 4.87 x 4.25 x 4.31 | 2.91 x 1.91 x 4.50 | CWA | 7 (16) |
| | RBK400HPMTA | 120/208/240/277 | 4.87 x 4.25 x 4.31 | 2.91 x 1.91 x 4.50 | CWA - Multi-Tap | 7 (16) |
| | RBK40LHP48A | 480 | 4.87 x 4.25 x 4.31 | 2.91 x 1.91 x 4.50 | CWA (Energy Saving) | 7 (16) |
| | RBK40LHPMTA | 120/208/240/277 | 4.87 x 4.25 x 4.31 | 2.91 x 1.91 x 4.50 | CWA - Multi-Tap (Energy Saving) | 7 (16) |
| | RBK40RHPXXA ¹ | See note 1 | 6.12 x 4.25 x 4.69 | 2.91 x 1.91 x 4.50 | Mag-Reg | 11 (24) |
| 1000W HPS | RBK10HP48A | 480 | 6.12 x 4.25 x 5.94 | 2.91 x 1.91 x 4.88 | CWA | 12 (26) |
| | RBK10HPMTA | 120/208/240/277 | 6.12 x 4.25 x 5.94 | 2.91 x 1.91 x 4.88 | CWA - Multi-Tap | 12 (26) |
| 50W MH | RBK050MHMTA | 120/208/240/277 | 3.94 x 2.81 x 2.91 | 2.69 x 1.56 x 3.28 | CWA - Multi-Tap | 3 (6) |
| 70W MH | RBK070MHMTA | 120/208/240/277 | 3.94 x 2.81 x 2.80 | 2.69 x 1.56 x 3.50 | CWA - Multi-Tap | 3 (7) |
| 100W MH | RBK100MHMTA | 120/208/240/277 | 3.94 x 2.81 x 2.90 | 2.69 x 1.56 x 3.50 | CWA - Multi-Tap | 4 (9) |
| 150W MH | RBK150MHMTA | 120/208/240/277 | 3.94 x 2.81 x 3.91 | 2.91 x 1.91 x 4.50 | CWA - Multi-Tap | 5 (10) |
| 175W MH | RBK175MH48A | 480 | 4.00 x 2.87 x 3.82 | 2.69 x 1.56 x 3.50 | CWA | 5 (10) |
| | RBK175MHMTA | 120/208/240/277 | 4.00 x 2.87 x 3.68 | 2.69 x 1.56 x 3.50 | CWA - Multi-Tap | 5 (10) |
| 250W MH | RBK250MH48A | 480 | 4.87 x 4.25 x 3.50 | 2.91 x 1.91 x 3.50 | CWA | 5 (11) |
| | RBK250MHMTA | 120/208/240/277 | 4.87 x 4.25 x 3.25 | 2.91 x 1.91 x 3.50 | CWA - Multi-Tap | 5 (11) |
| | RBK25LMH48A | 480 | 4.87 x 4.25 x 3.50 | 2.91 x 1.91 x 3.50 | CWA (Energy Saving) | 7 (15) |
| | RBK25LMHMTA | 120/208/240/277 | 4.87 x 4.25 x 3.25 | 2.91 x 1.91 x 3.50 | CWA - Multi-Tap (Energy Saving) | 7 (15) |
| 400W MH | RBK400MH48A | 480 | 4.87 x 4.25 x 4.25 | 2.91 x 1.91 x 4.50 | CWA | 7 (15) |
| | RBK400MHMTA | 120/208/240/277 | 4.87 x 4.25 x 4.25 | 2.91 x 1.91 x 4.50 | CWA - Multi-Tap | 7 (15) |
| | RBK40LMH48A | 480 | 4.87 x 4.25 x 4.18 | 2.91 x 1.91 x 4.50 | CWA (Energy Saving) | 7 (15) |
| | RBK40LMHMTA | 120/208/240/277 | 4.87 x 4.25 x 3.88 | 2.91 x 1.91 x 4.50 | CWA - Multi-Tap (Energy Saving) | 7 (15) |
| 1000W MH | RBK10MH48A | 480 | 6.12 x 4.25 x 5.12 | 2.91 x 1.91 x 5.13 | CWA | 11 (24) |
| | RBK10MHMTA | 120/208/240/277 | 6.12 x 4.25 x 5.12 | 2.91 x 1.91 x 5.13 | CWA - Multi-Tap | 11 (24) |
| 1500W MH | RBK15MHXXA ¹ | See note 1 | 6.12 x 4.25 x 4.50 | 2.91 x 1.91 x 6.63 | CWA | 15 (32) |

NOTES: 1 Insert voltages 12-120V, 20-208V, 24-240V, 27-277V, or 48-480V for "XX" in catalog number
These voltage available at the same price

Remote and Recessed Ballasts



Indoor remote ballasts are intended specifically for areas protected from the weather. The design allows for operation in ambient temperatures of 40°C or less. The ballasts must be mounted in areas where the air will circulate freely around the enclosure. They can be mounted vertically or horizontally.

- Long life, maximum energy savings and quiet operation
- Simple, uncluttered, attractive appearance
- Heavy duty steel housing, with white polyester paint, knockouts, and integral mounting feet.
- Low noise, potted, copper wound core and coil HID assembly, capacitor, starter board, and standby relay designed for remote mounting from 4.21m (14') to 6m (20') for pulse metal halide, 3.66m (12') for CFL and 24.38m (80') to 141.7m (465') for standard MH distance from the luminaire.



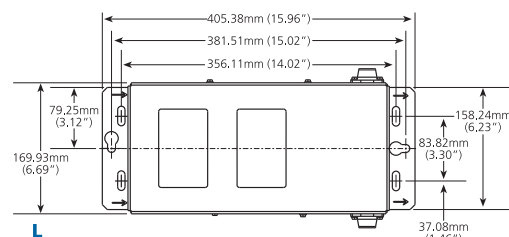
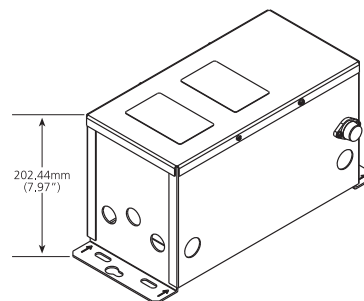
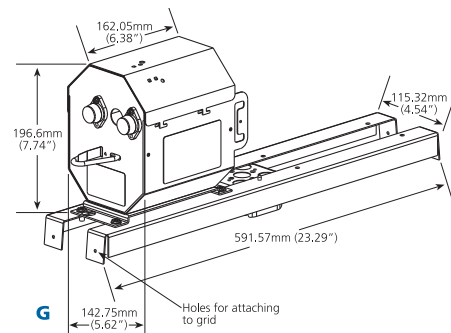


How to Construct a Catalog Number

Example:

| | | | | |
|----------------|---|--|------------------|---------------------------|
| RR | 400MH | 12 | H | F1 |
| 1 | 2 | 3 | 4 | 5 |
| BALLAST | WATTAGE | VOLTAGE | MOUNTING | OPTIONS |
| RR | 070MH 100MH 10DHP 150MH 15DHP 175MH 175PM 226CF 250HP 250MH 250PM 25LHP 25LMH 25LPM 26CFL 320PM 32EPM 350PM 35EPM 35LPM 400HP 400MH 400PM 40LHP 40LMH 40LPM 42CFL 70DHP C10MH | 12 20 24 27 34 48 MA MB MC MD MT VT | B G H L | EM F1 F2 H PS |

Mounting Options



Catalog Number Information

STEP 1: LUMINAIRE

RR Remote Indoor Ballast

Maximum Weight:
1000W Ballast 18.6 kg (41 lbs.)
All others 11.4 Kg (25 lbs.)

STEP 2: SOURCE (CONTINUED)

Energy Saving

| | |
|--------------|---------|
| 25LMH | 250W MH |
| 40LMH | 400W MH |

PULSE START METAL HALIDE

| | |
|--------------|---------|
| 175MH | 175W MH |
| 250MH | 250W MH |
| 320MH | 320W MH |
| 350MH | 350W MH |
| 400MH | 400W MH |

Energy Saving

| | |
|--------------|-------------------------|
| 25LPM | 250W MH |
| 32EPM | 320W MH, linear reactor |
| 35EPM | 350W MH, linear reactor |
| 35LPM | 350W MH |
| 40LPM | 400W MH |

COMPACT FLUORESCENT

| | |
|---------------|-----------|
| 26CFL | 26W CFL |
| 42CFL | 42W CFL |
| 226CFL | 2-26W CFL |

STEP 3: VOLTAGE

| | |
|-----------|------|
| 12 | 120V |
| 20 | 208V |
| 24 | 240V |
| 27 | 277V |
| 34 | 347V |
| 48 | 480V |

Multi-voltage

| | |
|-----------|------------------------------------|
| MA | Prewired for 120V |
| MB | Prewired for 208V |
| MC | Prewired for 240V |
| MD | Prewired for 277V |
| MT | Multi-voltage, 120, 208, 240, 277V |
| VT | Vari-tap, 120, 277, 347V |

1 Available with 120, 277 and 347 V only

STEP 2: SOURCE AND WATTAGE

HIGH PRESSURE SODIUM

| | |
|--------------|-----------------------|
| 70DHP | 70W HPS, medium base |
| 10DHP | 100W HPS, medium base |
| 15DHP | 150W HPS, medium base |
| 250HP | 250W HPS |
| 400HP | 400W HPS |

Energy Saving

| | |
|--------------|----------|
| 25LHP | 250W HPS |
| 40LHP | 400W HPS |

METAL HALIDE

| | |
|--------------|---------|
| 070MH | 70W MH |
| 100MH | 100W MH |
| 150MH | 150W MH |
| 175MH | 175W MH |
| 250MH | 250W MH |
| 400MH | 400W MH |

STEP 4: MOUNTING

See drawing s right

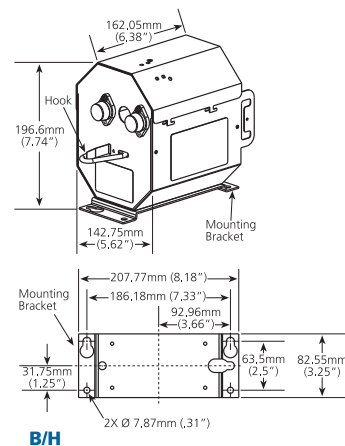
| | |
|----------|----------------------------------|
| B | Hook and bracket (recessed) |
| G | Grid mount (recessed) |
| H | Hook and bracket (non-recessed) |
| L | Bracket for C10MH (non-recessed) |

1 Available with "C10MH" only

STEP 5: OPTIONS

| | |
|-----------|--|
| EM | Standby lighting fixture |
| F1 | Single fuse assembly |
| F2 | Double fuse assembly |
| PS | HPS Protected Starter (HPS units only) |
| H | HALT® Automatic lamp time out |

1 Not available with "MT".
2 Available with CD, CDP, Fusing, PHCB, Holoflex, or UPH through TSG
3 Not available with EM, MA, MB, MC, MD, MT or VT



Replacement Parts

| Catalog Number | Description | Page |
|------------------------------|--|-------|
| 02454 – 24I Series | | |
| Ballast Assemblies | | |
| MB5H26CFLXXLU ^{1,2} | Large 26W CFL, unpainted | 18-19 |
| MB5H42CFLXXLU ^{1,2} | Large 42W CFL, unpainted | 18-19 |
| MB5H70DMHXXLU ^{1,2} | Large 70W MH, medium base, unpainted | 18-19 |
| MB5H10DMHXXLU ^{1,2} | Large 100W MH, medium base, unpainted | 18-19 |
| MB5H15DMHXXLU ^{1,2} | Large 150W MH, medium base, unpainted | 18-19 |
| MB5H175MHXXLU ^{1,2} | Large 175W MH, mogul base, unpainted | 18-19 |
| MB5H17DMHXXLU ^{1,2} | Large 175W MH, medium base, unpainted | 18-19 |
| MB5H250MHXXLU ^{1,2} | Large 250W MH, mogul base, unpainted | 18-19 |
| MB5H320PMXXLU ^{1,2} | Large 320W Pulse MH, mogul base, unpainted | 18-19 |
| MB5H35LPMXXLU ^{1,2} | Large 320W Pulse MH, mogul base, unpainted | 18-19 |
| MB5H400MHXXLU ^{1,2} | Large 250W MH, mogul base, unpainted | 18-19 |
| MB5H400PMXXLU ^{1,2} | Large 400W Pulse MH, mogul base, unpainted | 18-19 |
| PAF26CFLXXCU ² | Small 26W CFL, unpainted | 18-19 |
| PAF42CFLXXCU ² | Small 42W CFL, unpainted | 18-19 |
| PAF70DMHXXCU ² | Small 70W MH, medium base, unpainted | 18-19 |
| PAF10DMHXXCU ² | Small 100W MH, medium base, unpainted | 18-19 |
| PAF15DMHXXCU ² | Small 150 MH, medium base, unpainted | 18-19 |

¹ Substitute "D- Delphic" for "L-Large 02454" in catalog number
² Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number

Optics

| | | |
|-------------|-------------|-------|
| 24I26CFLCU1 | Small 02454 | 18-19 |
| 24I26CFLDU1 | Delphic | 18-19 |
| 24I26CFLU1 | Large 02454 | 18-19 |
| 24I42CFLCU1 | Small 02454 | 18-19 |
| 24I42CFLDU1 | Delphic | 18-19 |
| 24I42CFLU1 | Large 02454 | 18-19 |
| 24I70DMHCU1 | Small 02454 | 18-19 |
| 24I70DMHCU1 | Delphic | 18-19 |
| 24I70DMHCU1 | Large 02454 | 18-19 |
| 24I10DMHCU1 | Small 02454 | 18-19 |
| 24I10DMHCU1 | Delphic | 18-19 |
| 24I10DMHCU1 | Large 02454 | 18-19 |
| 24I15DMHCU1 | Small 02454 | 18-19 |
| 24I15DMHCU1 | Delphic | 18-19 |
| 24I15DMHCU1 | Large 02454 | 18-19 |
| 24I175MHCU1 | Delphic | 18-19 |
| 24I175MHCU1 | Large 02454 | 18-19 |
| 24I175MHCU1 | Delphic | 18-19 |
| 24I175MHCU1 | Large 02454 | 18-19 |
| 24I17DMHCU1 | Delphic | 18-19 |
| 24I17DMHCU1 | Large 02454 | 18-19 |
| 24I250MHCU1 | Delphic | 18-19 |
| 24I250MHCU1 | Large 02454 | 18-19 |
| 24I320PMDU1 | Delphic | 18-19 |
| 24I320PMDU1 | Large 02454 | 18-19 |
| 24I35LPMCU1 | Delphic | 18-19 |
| 24I35LPMCU1 | Large 02454 | 18-19 |
| 24I400MHCU1 | Delphic | 18-19 |
| 24I400MHCU1 | Large 02454 | 18-19 |
| 24I400PMDU1 | Delphic | 18-19 |
| 24I400PMDU1 | Large 02454 | 18-19 |

02454 – 24N Series

Optics

| | | |
|-------------|-------------|-------|
| 24N20DINCU1 | Small 2454 | 18-19 |
| 24N30DINDU1 | Delphic | 18-19 |
| 24N30DINLU1 | Large 02454 | 18-19 |
| 24N500INDU1 | Delphic | 18-19 |
| 24N500INLU1 | Large 02454 | 18-19 |

02454 – 24R Series

Ballast Assemblies

| | | |
|-------------------------|---------------------|-------|
| RRB26QFLXX ¹ | 26W QFL | 18-19 |
| RRB42QFLXX ¹ | 42W QFL | 18-19 |
| FCB070MHXX ¹ | 70W MH, mogul base | 18-19 |
| FCB070MHXX ¹ | 70W MH, mogul base | 18-19 |
| FCB100MHXX ¹ | 100W MH, mogul base | 18-19 |
| FCB150MHXX ¹ | 150W MH, mogul base | 18-19 |
| RBI175MHXX ¹ | 175W MH, mogul base | 18-19 |

Replacement Parts

| Catalog Number | Description | Page |
|---------------------------------------|----------------------|-------|
| 02454 – 24R Series (continued) | | |
| Ballast Assemblies | | |
| RBI17DMHXX ¹ | 175W MH, medium base | 18-19 |
| RBI250MHXX ¹ | 250W MH, mogul base | 18-19 |
| RBI400MHXX ¹ | 400W MH, mogul base | 18-19 |

¹ Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number.

Optics

| | | |
|-------------|-------------|-------|
| 24R10DMHCU1 | Small 02454 | 18-19 |
| 24R10DMHDU1 | Delphic | 18-19 |
| 24R10DMHLU1 | Large 02454 | 18-19 |
| 24R15DMHCU1 | Small 02454 | 18-19 |
| 24R15DMHDU1 | Delphic | 18-19 |
| 24R26CFLCU1 | Small 02454 | 18-19 |
| 24R26CFLLU1 | Large 02454 | 18-19 |
| 24R26CFLDU1 | Delphic | 18-19 |
| 24R42CFLCU1 | Small 02454 | 18-19 |
| 24R42CFLDU1 | Delphic | 18-19 |
| 24R42CFLLU1 | Large 02454 | 18-19 |
| 24R70DMHCU1 | Small 02454 | 18-19 |
| 24R70DMHDU1 | Delphic | 18-19 |
| 24R70DMHLU1 | Large 02454 | 18-19 |
| 24R15DMHLU1 | Large 02454 | 18-19 |
| 24R175MHCU1 | Delphic | 18-19 |
| 24R175MHLU1 | Large 02454 | 18-19 |
| 24R17DMHCU1 | Delphic | 18-19 |
| 24R17DMHLU1 | Large 02454 | 18-19 |
| 24R250MHCU1 | Delphic | 18-19 |
| 24R250MHLU1 | Large 02454 | 18-19 |
| 24R400MHCU1 | Delphic | 18-19 |
| 24R400MHLU1 | Large 02454 | 18-19 |

02454 – 24S Series

Ballast Assemblies

| | | |
|------------------------------|--|-------|
| MB5J26CFLXXLU ^{1,2} | Large 02454, 26W CFL | 18-19 |
| MB5J42CFLXXLU ^{1,2} | Large 02454, 42W CFL | 18-19 |
| MB5J70DMHXXLU ^{1,2} | Large 02454, 70W MH, medium base | 18-19 |
| MB5J10DMHXXLU ^{1,2} | Large 02454, 100W MH, medium base | 18-19 |
| MB5J15DMHXXLU ^{1,2} | Large 02454, 150W MH, medium base | 18-19 |
| MB5J175MHXXLU ^{1,2} | Large 02454, 175W MH, mogul base | 18-19 |
| MB5J17DMHXXLU ^{1,2} | Large 02454, 175W MH, medium base | 18-19 |
| MB5J250MHXXLU ^{1,2} | Large 02454, 250W MH, mogul base | 18-19 |
| MB5J320PMXXLU ^{1,2} | Large 02454, 320W pulse MH, mogul base | 18-19 |
| MB5J35LPMXXLU ^{1,2} | Large 02454, 350W pulse MH, mogul base | 18-19 |
| MB5J400MHXXLU ^{1,2} | Large 02454, 400W MH, mogul base | 18-19 |
| MB5J400PMXXLU ^{1,2} | Large 02454, 400W pulse MH, mogul base | 18-19 |
| PAG10DMHXXCU ² | Small 02454, 100W MH, medium base | 18-19 |
| PAG15DMHXXCU ² | Small 02454, 150W MH, medium base | 18-19 |
| PAG26CFLXXCU ² | Small 02454, 26W CFL | 18-19 |
| PAG42CFLXXCU ² | 42W CFL | 18-19 |
| PAG70DMHXXCU ² | 70W MH, medium base | 18-19 |

¹ Substitute "D-Delphic" for "L-Large 02454" in catalog number.

² Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number

Optics

| | | |
|-------------|-------------|-------|
| 24S10DMHCU1 | Small 02454 | 18-19 |
| 24S10DMHDU1 | Delphic | 18-19 |
| 24S10DMHLU1 | Large 02454 | 18-19 |
| 24S15DMHCU1 | Small 02454 | 18-19 |
| 24S15DMHDU1 | Delphic | 18-19 |
| 24S15DMHLU1 | Large 02454 | 18-19 |
| 24S175MHCU1 | Delphic | 18-19 |
| 24S175MHLU1 | Large 02454 | 18-19 |
| 24S17DMHCU1 | Delphic | 18-19 |
| 24S17DMHLU1 | Large 02454 | 18-19 |

Replacement Parts

| Catalog Number | Description | Page |
|---------------------------------------|-------------|-------|
| 02454 – 24S Series (continued) | | |
| Optics | | |
| 24S250MHDU1 | Delphic | 18-19 |
| 24S250MHLU1 | Large 02454 | 18-19 |
| 24S26CFLCU1 | Small 02454 | 18-19 |
| 24S26CFLDU1 | Delphic | 18-19 |
| 24S26CFLU1 | Large 02454 | 18-19 |
| 24S320MHLU1 | Large 02454 | 18-19 |
| 24S320PMDU1 | Delphic | 18-19 |
| 24S35LPMDU1 | Delphic | 18-19 |
| 24S35LPMLU1 | Large 02454 | 18-19 |
| 24S400MHDU1 | Delphic | 18-19 |
| 24S400MHLU1 | Large 02454 | 18-19 |
| 24S400PMDU1 | Delphic | 18-19 |
| 24S400PMLU1 | Large 02454 | 18-19 |
| 24S42CFLCU1 | Small 02454 | 18-19 |
| 24S42CFLDU1 | Delphic | 18-19 |
| 24S42CFLU1 | Large 02454 | 18-19 |
| 24S70DMHCU1 | Small 02454 | 18-19 |
| 24S70DMHCU1 | Delphic | 18-19 |
| 24S70DMHLU1 | Large 02454 | 18-19 |
| Stem | | |
| STM75018JX ¹ | 18" stem | 18-19 |
| STM75048JX ¹ | 48" stem | 18-19 |
| STM75096JX ¹ | 96" stem | 18-19 |

¹ Insert "C-copper", "K-black", "U-unpainted" or "W-white" for "X" in catalog number

Bantam®

Optics

| | | |
|------------|---|-------|
| BANT25C | Prismpack, enclosed. 10" reflector | 86-87 |
| BANT45C | Prismatite, large refractor assembly, symmetric | 86-87 |
| BANT521 | Prismatite, large refractor assembly, long and narrow | 86-87 |
| BANT524 | Prismatite, large refractor assembly, four-way | 86-87 |
| BANT526 | Prismatite, large refractor assembly, asymmetric | 86-87 |
| BANT584 | Prismpack, open bottom. 10" reflector | 86-87 |
| BANT625 | Prismpack, open bottom. 14" reflector | 86-87 |
| BANT682 | Prismatite, small refractor assembly, asymmetric | 86-87 |
| BANT685 | Prismatite, small refractor assembly, symmetric | 86-87 |
| BANT84C | Prismpack, enclosed. 10" reflector | 86-87 |
| ENDR418-NS | Enduralume reflector/refractor assembly | 86-87 |
| PRSL585 | Prismalume, open bottom reflector | 86-87 |

Socket

| | | |
|--------|--------|-------|
| SO-220 | Socket | 86-87 |
|--------|--------|-------|

Bantam 2000®

Optics

| | | |
|--------|---|-------|
| BARPLA | Enduralume, glass bottom | 86-87 |
| BARPLB | Prismatite, long and narrow | 86-87 |
| BARPLC | Enduralume, plastic bottom | 86-87 |
| BARPLG | Prismatite, symmetric | 86-87 |
| BARPLH | Prismalume, open, wide distribution | 86-87 |
| BARPLJ | Prismalume, open, medium distribution | 86-87 |
| BARPLK | Prismalume, enclosed, wide distribution | 86-87 |
| BARPLL | Prismalume, enclosed, medium distribution | 86-87 |
| BARPLM | Prismpack, open, wide distribution | 86-87 |
| BARPLN | Prismpack, open, medium distribution | 86-87 |
| BARPLU | Prismpack, enclosed, wide distribution | 86-87 |
| BARPLZ | Prismpack, open, medium distribution | 86-87 |
| BARPMA | Enduralume, mogul base, glass bottom | 86-87 |
| BARPMC | Enduralume plastic bottom, mogul base | 86-87 |

Socket

| | | |
|--------|--------|-------|
| SO-328 | Socket | 86-87 |
|--------|--------|-------|

Replacement Parts

| Catalog Number | Description | Page |
|------------------------------|---|-------|
| CentaGlo® | | |
| Ballast Assembly | | |
| MB5G15AHPXXPDH ¹ | 150W/55V HPS ballast assembly | 74-75 |
| MB5G15AHPXXPDM ¹ | 150W/55V HPS ballast assembly | 74-75 |
| MB5G15AHPXXPDN ¹ | 150W/55V HPS ballast assembly | 74-75 |
| MB5G175MPXXPDH ¹ | 175W MH ballast assembly | 74-75 |
| MB5G175MPXXPDM ¹ | 175W MH ballast assembly | 74-75 |
| MB5G175MPXXPDN ¹ | 175W MH ballast assembly | 74-75 |
| MB5G175PPXXPDH ¹ | 175W MH ballast assembly, pulse start for open fixture | 74-75 |
| MB5G175PPXXPDM ¹ | 175W MH ballast assembly, pulse start for open fixture | 74-75 |
| MB5G175PPXXPDN ¹ | 175W MH ballast assembly, pulse start for open fixture | 74-75 |
| MB5G200HPXXPDE ¹ | 200W HPS ballast assembly | 74-75 |
| MB5G250HPXXPDC ¹ | 250W HPS ballast assembly | 74-75 |
| MB5G250HPXXPDE ¹ | 250W HPS ballast assembly | 74-75 |
| MB5G250HPXXPDM ¹ | 250W HPS ballast assembly | 74-75 |
| MB5G250MPXXPDH ¹ | 250W MH ballast assembly for open fixture | 74-75 |
| MB5G250MPXXPDM ¹ | 250W MH ballast assembly for open fixture | 74-75 |
| MB5G250MPXXPDN ¹ | 250W MH ballast assembly for open fixture | 74-75 |
| MB5G250PPXXPDH ¹ | 250W MH ballast assembly, pulse start for open fixture | 74-75 |
| MB5G250PPXXPDM ¹ | 250W MH ballast assembly, pulse start for open fixture | 74-75 |
| MB5G250PPXXPDN ¹ | 250W MH ballast assembly, pulse start for open fixture | 74-75 |
| MB5G250LHPXXPDE ¹ | 250W HPS ballast assembly | 74-75 |
| MB5G250LHPXXPDM ¹ | 250W HPS ballast assembly | 74-75 |
| MB5G250LMPXXPDH ¹ | 250W MH ballast assembly for open fixture | 74-75 |
| MB5G250LMPXXPDM ¹ | 250W MH ballast assembly for open fixture | 74-75 |
| MB5G250LPPXXPDH ¹ | 1250W MH ballast assembly, pulse start for open fixture | 74-75 |
| MB5G250LPPXXPDM ¹ | 250W MH ballast assembly, pulse start for open fixture | 74-75 |
| MB5G250LPPXXPDN ¹ | 350W MH ballast assembly, pulse start for open fixture | 74-75 |
| MB5G35LPMXXPDA ¹ | 350W MH ballast assembly, pulse start | 74-75 |
| MB5G35LPMXXPDB ¹ | 350W MH ballast assembly, pulse start | 74-75 |
| MB5G35LPMXXPDD ¹ | 350W MH ballast assembly, pulse start" | 74-75 |
| MB5G400HPXXPDC ¹ | 400W HPS ballast assembly | 74-75 |
| MB5G400HPXXPDE ¹ | 400W HPS ballast assembly | 74-75 |
| MB5G400HPXXPDM ¹ | 400W HPS ballast assembly | 74-75 |
| MB5G400MHXXPDA ¹ | 400W MH ballast assembly | 74-75 |
| MB5G400MHXXPDB ¹ | 400W MH ballast assembly | 74-75 |
| MB5G400MHXXPDD ¹ | 400W MH ballast assembly | 74-75 |
| MB5G400PMXXPDA ¹ | 400W MH ballast assembly, pulse start | 74-75 |
| MB5G400PMXXPDB ¹ | 400W MH ballast assembly, pulse start | 74-75 |
| MB5G400PMXXPDD ¹ | 400W MH ballast assembly, pulse start | 74-75 |
| MB5G40LHPXXPDC ¹ | 400W HPS ballast assembly | 74-75 |
| MB5G40LHPXXPDE ¹ | 400W HPS ballast assembly | 74-75 |
| MB5G40LHPXXPDM ¹ | 400W HPS ballast assembly | 74-75 |
| MB5G40LMHXXPDA ¹ | 400W MH ballast assembly | 74-75 |
| MB5G40LMHXXPDB ¹ | 400W MH ballast assembly | 74-75 |
| MB5G40LMHXXPDD ¹ | 400W MH ballast assembly | 74-75 |
| MB5G40LPMXXPDA ¹ | 400W MH ballast assembly, pulse start | 74-75 |
| MB5G40LPMXXPDB ¹ | 400W MH ballast assembly, pulse start | 74-75 |
| MB5G40LPMXXPDD ¹ | 400W MH ballast assembly, pulse start | 74-75 |

¹ Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number

Optics

| | | |
|-----|-------------------|-------|
| CG1 | Asymmetric optics | 74-75 |
| CG2 | Symmetric optics | 74-75 |

Controlescent® Fluorescent

Ballast Assemblies

| | | |
|---------|---|-------------------|
| EB117-1 | Electronic energy saving ballast for HB117, 120V | Contact Sales Rep |
| EB117-2 | Electronic energy saving ballast for HB117, 277V | Contact Sales Rep |
| EB117-3 | Electronic energy saving ballast for HB117, 347V | Contact Sales Rep |
| EB217-1 | Electronic energy saving ballast for HB217, 120V | Contact Sales Rep |
| EB217-2 | Electronic energy saving ballast for HB217, 277V | Contact Sales Rep |
| EB217-3 | Electronic energy saving ballast for HB217, 3 47V | Contact Sales Rep |

Replacement Parts

| Catalog Number | Description | Page |
|---|--|-------------------|
| Controlescent® Fluorescent (continued) | | |
| Ballast Assemblies | | |
| EB232-1 | Electronic energy saving ballast for HB232, 120V | Contact Sales Rep |
| EB232-2 | Electronic energy saving ballast for HB232, 277V | Contact Sales Rep |
| EB232-3 | Electronic energy saving ballast for HB232, 347V | Contact Sales Rep |
| Bracket | | |
| BRK232 | Mounting bracket for HB232 only | Contact Sales Rep |
| Diffuser | | |
| DIF217 | Diffuser for HB117 and HB217 | Contact Sales Rep |
| DIF232 | Diffuser for HB232 | Contact Sales Rep |
| Latches | | |
| LAT232 | Latches | Contact Sales Rep |
| Socket | | |
| SOC232 | Lamp holder socket | Contact Sales Rep |

CrystalGlo®

Optics

| | | | |
|------------------|---|--------------------------|-------|
| SETTGT22XSM40DEL | 1 | Spread Delphic reflector | 32-33 |
| SETTGT22XSM40ELE | 1 | Spread Electra reflector | 32-33 |
| ETTGT22XTM40DEL | 1 | Task Delphic reflector | 32-33 |
| SETTGT22XTM40ELE | 1 | Task Electra reflector | 32-33 |

Optics

| | | | |
|--------------|---|---------------------|-------|
| DOORTGT22DEL | 1 | Delphic optics door | 32-33 |
| DOORTGT22ELE | 1 | Electra optics door | 32-33 |

Optics

| | | | |
|--------|--|--------|-------|
| SO-220 | | Socket | 32-33 |
|--------|--|--------|-------|

Enduralume® V

Ballast Assemblies

| | | | |
|---------------------------|--|---|-------|
| EN5D35LPMXXP ¹ | | 350W MH ballast assembly, pulse start | 90-91 |
| EN5D400MHXXP ¹ | | 400W MH ballast assembly for use with EN917 | 90-91 |
| EN5D400PMXXP ¹ | | 400W MH ballast assembly, pulse start | 90-91 |
| EN5D40LHPXXP ¹ | | 400W HPS ballast assembly | 90-91 |
| EN5D40LMHXXP ¹ | | 400W MH ballast assembly | 90-91 |
| EN5D40LPMXXP ¹ | | 400W MH ballast assembly, pulse start | 90-91 |
| EN5E400HPXXP ¹ | | 400W HPS ballast assembly | 90-91 |
| EN5E400MHXXP ¹ | | 400W MH ballast assembly for use with EN428 | 90-91 |
| EN5E40RHPXXP ¹ | | 400W mag reg HPS ballast assembly | 90-91 |
| EN5E40RMHXXP ¹ | | 400W mag reg MH ballast assembly | 90-91 |
| MB5D175MHXXP ¹ | | 175W MH ballast assembly | 90-91 |
| MB5D250HPXXP ¹ | | 250W HPS ballast assembly | 90-91 |
| MB5D250MHXXP ¹ | | 250W MH ballast assembly | 90-91 |
| MB5D25LHPXXP ¹ | | 250W HPS ballast assembly | 90-91 |
| MB5D25LMHXXP ¹ | | 250W MH and MV ballast assembly | 90-91 |
| MB5D320PMXXP ¹ | | 320W MH ballast assembly, pulse start | 90-91 |

¹ Insert 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number

Optics

| | | | |
|-------|--|-------------------------------------|-------|
| EN428 | | Refractor assembly, prismatic glass | 90-91 |
| EN917 | | Refractor assembly, acrylic plastic | 90-91 |

Socket

| | | | |
|--------|--|--------|-------|
| SO-217 | | Socket | 90-91 |
|--------|--|--------|-------|

Indoor Refractopack® V

Ballast Assemblies

| | | | |
|---------------------------|--|---------------------------------|-------|
| MB5F250HPXXP ¹ | | HPS ballast assembly | 76-77 |
| MB5F250MHXXP ¹ | | 250W MH and MV ballast assembly | 76-77 |
| MB5F25LMHXXP ¹ | | 250W MH ballast assembly | 76-77 |
| MB5F400HPXXP ¹ | | 400W HPS ballast assembly | 76-77 |
| MB5F400MHXXP ¹ | | 400W MH and MV ballast assembly | 76-77 |
| MB5F400PMXXP ¹ | | 400W MH ballast assembly | 76-77 |

Replacement Parts

| Catalog Number | Description | Page |
|--|---|-------|
| Indoor Refractopack® V (continued) | | |
| Ballast Assemblies | | |
| MB5F40LHPXXP1 | 400W HPS ballast assembly | 76-77 |
| MB5F40LMHXXP1 | 400W MH ballast assembly | 76-77 |
| MB5F40LPMXXP1 | 400W MH ballast assembly | 76-77 |
| MB5F40RMHXXP1 | 400W MH and MV mag reg ballast assembly | 76-77 |
| 1 Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number | | |
| Optics | | |
| IDRPAS | Asymmetric optical assembly | 76-77 |
| IDRPLN | Long and narrow optical assembly | 76-77 |
| IDRPSQ | Square distribution optical assembly | 76-77 |
| Sockets | | |
| O-217 | Socket for 200-400W HPS, 250W MH and MV | 76-77 |
| SO-220 | Socket for 400W MH and MV | 76-77 |

Industralux™

| | | |
|---------------------------|---------------------------|-------------------|
| Ballast Assemblies | | |
| IX15AHPXXPNXX1 | 150W HPS ballast assembly | Contact Sales Rep |
| IX175MPXXPNXX1 | MH ballast assembly | Contact Sales Rep |
| IX250HPXXPNXX1 | 250W HPS ballast assembly | Contact Sales Rep |
| IX250MPXXPNXX1 | 250W MH ballast assembly | Contact Sales Rep |
| IX250PPXXPNXX1 | 250W MH ballast assembly | Contact Sales Rep |
| IX25LHPXXPNXX1 | 250W HPS ballast assembly | Contact Sales Rep |
| IX25LMPXXPNXX1 | 250W MH ballast assembly | Contact Sales Rep |
| IX25LPPXXPNXX1 | 250W MH ballast assembly | Contact Sales Rep |
| IX320PPXXPNXX1 | 320W MH ballast assembly | Contact Sales Rep |
| IX35LPPXXPNXX1 | 320W MH ballast assembly | Contact Sales Rep |
| IX400HPXXPNXX1 | 400W HPS ballast assembly | Contact Sales Rep |
| IX400MHXXPNXX1, 2 | 400W MH ballast assembly | Contact Sales Rep |
| IX400PMXXPNXX1, 2 | 400W MH ballast assembly | Contact Sales Rep |
| IX40LHPXXPNXX1, 2 | 400W HPS ballast assembly | Contact Sales Rep |
| IX40LMHXXPNXX1, 2 | 400W MH ballast assembly | Contact Sales Rep |
| IX40LPMXXPNXX1, 2 | 400W MH ballast assembly | Contact Sales Rep |

1 Insert voltage for 1st group of "XX" in catalog number

2 Insert optics for 2nd group of "XX" in catalog number

Optics

| | | |
|------|---|-------------------|
| IXC1 | Optics- Prismatic glass reflector with aluminum cover | Contact Sales Rep |
| IXC4 | Optics- Prismatic glass reflector with aluminum cover | Contact Sales Rep |
| IXC5 | Optics- Prismatic glass reflector with aluminum cover | Contact Sales Rep |
| IXC9 | Optics- Prismatic glass reflector with aluminum cover | Contact Sales Rep |
| IXU1 | Optics- Prismatic glass reflector | Contact Sales Rep |
| IXU4 | Optics- Prismatic glass reflector | Contact Sales Rep |
| IXU5 | Optics- Prismatic glass reflector | Contact Sales Rep |
| IXU9 | Optics- Prismatic glass reflector | Contact Sales Rep |

Lobay® V

| | | |
|---------------------------|----------------------------------|-------|
| Ballast Assemblies | | |
| MB5C250HPXXP1 | 250W HPS ballast assembly | 88-89 |
| MB5C250MHXXP1 | 250W MH and MV ballast assembly | 88-89 |
| MB5C25LHPXXP1 | 250W HPS ballast assembly | 88-89 |
| MB5C25LMHXXP1 | 250W MH ballast assembly | 88-89 |
| MB5C400HPXXP1 | 400W HPS ballast assembly | 88-89 |
| MB5C400MHXXP1 | 400W MH and MV ballast assembly | 88-89 |
| MB5C400PMXXP1 | 400W MH ballast assembly | 88-89 |
| MB5C40LHPXXP1 | 400W HPS ballast assembly | 88-89 |
| MB5C40LMHXXP1 | 400W MH ballast assembly | 88-89 |
| MB5C40LPMXXP1 | 400W MH ballast assembly | 88-89 |
| MB5C40RMHXXP1 | 400W MH mag reg ballast assembly | 88-89 |

Replacement Parts

| Catalog Number | Description | Page |
|-----------------------------|---|-------|
| Lobay® V (continued) | | |
| Optics | | |
| LBAY10 | SQ10 and grid reflector | 88-89 |
| LBAYGD | Refractive Grid lens door assembly | 88-89 |
| LBAYSQ | Quadrature lens door assembly | 88-89 |
| Sockets | | |
| SO-217 | Socket for 200-400W HPS, 250W MH and MV | 88-89 |
| SO-220 | Socket for 400W MH and MV | 88-89 |

¹ Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number

PGRB

Ballast Assemblies

| | | |
|------------|--|-------|
| PGRB400HPH | 400W HPS socket assembly, 6631-A-AL, PRSL31 reflector | 72-73 |
| PGRB400HPJ | 400W HPS socket assembly, 6639-AL, PRSL39 reflector | 72-73 |
| PGRB400HPM | 400W HPS socket assembly, 6637-AL, 6635-A-AL, PRSL35A, PRSL37 reflector | 72-73 |
| PGRB400HPN | 400W HPS socket assembly, 6631-A-AL, PRSL31 reflector | 72-73 |
| PGRB400HPS | 400W HPS socket assembly, 6640-AL, PRSL40 reflector | 72-73 |
| PGRB400MHB | 400W MH and MV socket assembly, 6635-A-AL, 6637-AL, PRSL35A, PRSL37A reflector | 72-73 |
| PGRB400MHE | 400W MH socket assembly 6631-A-AL, PRSL31, PRSL39 reflector | 72-73 |
| PGRB400MHG | 400W MH socket assembly 6640-AL, PRSL40 reflector | 72-73 |
| PGRB500INA | 500W INC socket assembly, 6635-A-AL reflector | 72-73 |
| PGRBC10MH | 1000W MH and MV socket assembly, 6639-AL, PRSL39 reflector | 72-73 |

Optics

| | | |
|-----------|--|-------|
| 6631-A-AL | Prismatic glass reflector with aluminum cover | 72-73 |
| 6635-A-AL | Prismatic glass reflector with aluminum cover | 72-73 |
| 6637-AL | Prismatic glass reflector with aluminum cover | 72-73 |
| 6639-AL | Prismatic glass reflector with aluminum cover | 72-73 |
| 6640-AL | Prismatic glass reflector with aluminum cover | 72-73 |
| PRSL31 | Prismatic glass reflector without aluminum cover | 72-73 |
| PRSL35A | Prismatic glass reflector without aluminum cover | 72-73 |
| PRSL37 | Prismatic glass reflector without aluminum cover | 72-73 |
| PRSL39 | Prismatic glass reflector without aluminum cover | 72-73 |
| PRSL40 | Prismatic glass reflector without aluminum cover | 72-73 |

PGR – PGI Series

Large Ballast Assemblies

| | | |
|-----------------------------|------------------------------------|-------|
| MB5H26CFLXX40U ¹ | 26W CFL | 20-21 |
| MB5H42CFLXX40U ¹ | 42W CFL | 20-21 |
| MB5H70DMPXX40U ¹ | 70W MH, medium base | 20-21 |
| MB5H10DMPXX40U ¹ | 100W MH, medium base | 20-21 |
| MB5H15DMPXX40U ¹ | 150W MH, medium base | 20-21 |
| MB5H175MPXX40U ¹ | 175W MH, mogul base | 20-21 |
| MB5H17DMPXX40U ¹ | 175W MH, medium base | 20-21 |
| MB5H250MPXX40U ¹ | 250W MH, mogul base | 20-21 |
| MB5H320MPXX40U ¹ | 320W MH, energy saving, mogul base | 20-21 |
| MB5H35LPPXX40U ¹ | 350W pulse MH, mogul base | 20-21 |
| MB5H400MHXX40U ¹ | 400W MH, mogul base | 20-21 |

Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number. Available at the same price

Optics

| | | |
|--------------|-----------------------------------|-------|
| PGI26CFL40U1 | 26W CFL, 6640 reflector, 18" stem | 20-21 |
| PGI26CFL82U1 | 26W CFL, 6582 reflector, 18" stem | 20-21 |
| PGI42CFL40U1 | 42W CFL, 6640 reflector, 18" stem | 20-21 |
| PGI42CFL82U1 | 42W CFL, 6582 reflector, 18" stem | 20-21 |
| PGI70DMP40U1 | 70W MH, 6640 reflector, 18" stem | 20-21 |
| PGI70DMP82U1 | 70W MH, 6582 reflector, 18" stem | 20-21 |
| PGI70DMP40U1 | 70W MH, 6640 reflector, 18" stem | 20-21 |
| PGI70DMP82U1 | 70W MH, 6582 reflector, 18" stem | 20-21 |
| PGI10DMP40U1 | 100W MH, 6640 reflector, 18" stem | 20-21 |
| PGI10DMP82U1 | 100W MH, 6582 reflector, 18" stem | 20-21 |
| PGI15DMP40U1 | 150W MH, 6640 reflector, 18" stem | 20-21 |
| PGI15DMP82U1 | 150W MH, 6582 reflector, 18" stem | 20-21 |
| PGI175MP40U1 | 175W MH, 6640 reflector, 18" stem | 20-21 |
| PGI17DMP40U1 | 175W MH, 6640 reflector, 18" stem | 20-21 |
| PGI250MP40U1 | 250W MH, 6640 reflector, 18" stem | 20-21 |
| PGI320PP40U1 | 320W MH, 6640 reflector, 18" stem | 20-21 |
| PGI35LPP40U1 | 350W MH, 6640 reflector, 18" stem | 20-21 |
| PGI400MH40U1 | 400W MH, 6640 reflector, 18" stem | 20-21 |

Replacement Parts

| Catalog Number | Description | Page |
|--|--------------------------------------|-------|
| PGRL – PGI Series | | |
| Small Ballast Assemblies | | |
| PAF26CFLXX82U ¹ | 26W CFL, 6582 reflector | 20-21 |
| PAF26CFLXX85U ¹ | 26W CFL, 6585 reflector | 20-21 |
| PAF26CFLXX86U ¹ | 26W CFL, 6586 reflector | 20-21 |
| PAF42CFLXX82U ¹ | 42W CFL, 6582 reflector | 20-21 |
| PAF42CFLXX85U ¹ | 42W CFL, 6585 reflector | 20-21 |
| PAF42CFLXX86U ¹ | 42W CFL, 6586 reflector | 20-21 |
| PAF70DMPXX82U ¹ | 70W MH, medium base, 6582 reflector | 20-21 |
| PAF70DMPXX85U ¹ | 70W MH, medium base, 6585 reflector | 20-21 |
| PAF70DMPXX86U ¹ | 70W MH, medium base, 6586 reflector | 20-21 |
| PAF10DMPXX82U ¹ | 100W MH, medium base, 6582 reflector | 20-21 |
| PAF10DMPXX85U ¹ | 100W MH, medium base, 6585 reflector | 20-21 |
| PAF10DMPXX86U ¹ | 100W MH, medium base, 6586 reflector | 20-21 |
| PAF15DMPXX82U ¹ | 150W MH, medium base, 6582 reflector | 20-21 |
| PAF15DMPXX85U ¹ | 150W MH, medium base, 6585 reflector | 20-21 |
| PAF15DMPXX86U ¹ | 150W MH, medium base, 6586 reflector | 20-21 |
| 1 Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number | | |
| PGRL – PGN Series | | |
| Optics | | |
| PGN30DIN40U1 | 300W INC, 6640 reflector, 18" stem | 20-21 |
| PGN30DIN82U1 | 300W INC, 6582 reflector, 18" stem | 20-21 |
| PGN30DIN84U1 | 300W INC, 6584 reflector, 18" stem | 20-21 |
| PGN30DIN85U1 | 300W INC, 6585 reflector, 18" stem | 20-21 |
| PGN30DIN86U1 | 300W INC, 6586 reflector, 18" stem | 20-21 |
| PGN30DIN92U1 | 300W INC, 6692 reflector, 18" stem | 20-21 |
| PGN500IN40U1 | 500W INC, 6640 reflector, 18" stem | 20-21 |
| PGN500IN82U1 | 500W INC, 6582 reflector, 18" stem | 20-21 |
| PGN500IN85U1 | 500W INC, 6585 reflector, 18" stem | 20-21 |
| PGN500IN86U1 | 500W INC, 6586 reflector, 18" stem | 20-21 |
| PGN500IN92U1 | 500W INC, 6692 reflector, 18" stem | 20-21 |
| PGRL – PGR Series | | |
| Optics | | |
| PGR10DMP40U1 | 100W MH, 6640 reflector, 18" stem | 20-21 |
| PGR10DMP82U1 | 100W MH, 6582 reflector, 18" stem | 20-21 |
| PGR15DMP40U1 | 150W MH, 6640 reflector, 18" stem | 20-21 |
| PGR15DMP82U1 | 150W MH, 6582 reflector, 18" stem | 20-21 |
| PGR175MP40U1 | 175W MH, 6640 reflector, 18" stem | 20-21 |
| PGR17DMP40U1 | 175W MH, 6640 reflector, 18" stem | 20-21 |
| PGR250MP40U1 | 250W MH, 6640 reflector, 18" stem | 20-21 |
| PGR26CFL40U1 | 26W CFL, 6640 reflector, 18" stem | 20-21 |
| PGR26CFL40U1 | 26W CFL, 6640 reflector, 18" stem | 20-21 |
| PGR26CFL82U1 | 26W CFL, 6582 reflector, 18" stem | 20-21 |
| PGR400MH40U1 | 400W MH, 6640 reflector, 18" stem | 20-21 |
| PGR42CFL82U1 | 42W CFL, 6582 reflector, 18" stem | 20-21 |
| PGR70DMP40U1 | 70W MH, 6640 reflector, 18" stem | 20-21 |
| PGR70DMP82U1 | 70W MH, 6582 reflector, 18" stem | 20-21 |
| PGRL – PGS Series | | |
| Large Ballast Assemblies | | |
| MB5J26CFLXX40U ¹ | 26W CFL, 6640 reflector | 20-21 |
| MB5J42CFLXX40U ¹ | 42W CFL, 6640 reflector | 20-21 |
| MB5J70DMPXX40U ¹ | 70W MH, medium base, 6640 reflector | 20-21 |
| MB5J10DMPXX40U ¹ | 100W MH, medium base, 6640 reflector | 20-21 |

Replacement Parts

| Catalog Number | Description | Page |
|--------------------------------------|--|-------|
| PGRL – PGS Series (continued) | | |
| Large Ballast Assemblies | | |
| MB5J15DMPXX40U ¹ | 150W MH, medium base, 6640 reflector | 20-21 |
| MB5J175MPXX40U ¹ | 175W MH, mogul base, 6640 reflector | 20-21 |
| MB5J17DMPXX40U ¹ | 175W MH, medium base, 6640 reflector | 20-21 |
| MB5J250MPXX40U ¹ | 250W MH, energy saving, mogul base, 6640 reflector | 20-21 |
| MB5J320PPXX40U ¹ | 320W pulse MH, mogul base, 6640 reflector | 20-21 |
| MB5J35LPPXX40U ¹ | 350W pulse MH, mogul base, 6640 reflector | 20-21 |
| MB5J400MHXX40U ¹ | 400W MH, mogul base, 6640 reflector | 20-21 |
| MB5J42CFLXX40U ¹ | 42W CFL, 6640 reflector | 20-21 |

¹ Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number

Optics

| | | |
|--------------|-----------------------------------|-------|
| PGS10DMP40U1 | 100W MH, 6640 reflector, 18" stem | 20-21 |
| PGS10DMP82U1 | 100W MH, 6582 reflector, 18" stem | 20-21 |
| PGS15DMP40U1 | 150W MH, 6640 reflector, 18" stem | 20-21 |
| PGS15DMP82U1 | 150W MH, 6582 reflector, 18" stem | 20-21 |
| PGS175MP40U1 | 175W MH, 6640 reflector, 18" stem | 20-21 |
| PGS17DMP40U1 | 175W MH, 6640 reflector, 18" stem | 20-21 |
| PGS250MP40U1 | 250W MH, 6640 reflector, 18" stem | 20-21 |
| PGS26CFL40U1 | 26W CFL, 6640 reflector, 18" stem | 20-21 |
| PGS26CFL82U1 | 26W CFL, 6582 reflector, 18" stem | 20-21 |
| PGS320PP40U1 | 320W MH, 6640 reflector, 18" stem | 20-21 |
| PGS35LPP40U1 | 350W MH, 6640 reflector, 18" stem | 20-21 |
| PGS400MH40U1 | 400W MH, 6640 reflector, 18" stem | 20-21 |
| PGS42CFL40U1 | 42W CFL, 6640 reflector, 18" stem | 20-21 |
| PGS42CFL82U1 | 42W CFL, 6582 reflector, 18" stem | 20-21 |
| PGS70DMP40U1 | 70W MH, 6640 reflector, 18" stem | 20-21 |
| PGS70DMP82U1 | 70W MH, 6582 reflector, 18" stem | 20-21 |

Small Ballast Assemblies

| | | |
|----------------------------|--------------------------------------|-------|
| PAG26CFLXX82U ¹ | 26W CFL, 6582 reflector | 20-21 |
| PAG26CFLXX85U ¹ | 26W CFL, 6585 reflector | 20-21 |
| PAG26CFLXX86U ¹ | 26W CFL, 6586 reflector | 20-21 |
| PAG42CFLXX82U ¹ | 42W CFL, 6582 reflector | 20-21 |
| PAG42CFLXX85U ¹ | 42W CFL, 6585 reflector | 20-21 |
| PAG42CFLXX86U ¹ | 42W CFL, 6586 reflector | 20-21 |
| PAG70DMPXX82U ¹ | 70W MH, medium base, 6582 reflector | 20-21 |
| PAG70DMPXX85U ¹ | 70W MH, medium base, 6585 reflector | 20-21 |
| PAG70DMPXX86U ¹ | 70W MH, medium base, 6586 reflector | 20-21 |
| PAG10DMPXX82U ¹ | 100W MH, medium base, 6582 reflector | 20-21 |
| PAG10DMPXX85U ¹ | 100W MH, medium base, 6585 reflector | 20-21 |
| PAG10DMPXX86U ¹ | 100W MH, medium base, 6586 reflector | 20-21 |
| PAG15DMPXX82U ¹ | 150W MH, medium base, 6582 reflector | 20-21 |
| PAG15DMPXX85U ¹ | 150W MH, medium base, 6585 reflector | 20-21 |
| PAG15DMPXX86U ¹ | 150W MH, medium base, 6586 reflector | 20-21 |

¹ Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number

PGRL

Sockets

| | | |
|---------|-----------------------------|-------|
| SO-315 | Socket for HPS, MH, and MV | 20-21 |
| SO-50-H | Socket for PGRL300IN84 only | 20-21 |

Stems

| | | |
|------------|----------------|-------|
| STM50018AU | 18", unpainted | 20-21 |
| STM50018BU | 18", unpainted | 20-21 |
| STM50018CU | 18", unpainted | 20-21 |
| STM50018LU | 18", unpainted | 20-21 |
| STM75018JU | 18", unpainted | 20-21 |
| STM75018KU | 18", unpainted | 20-21 |

PrismAire®

Ballast Assemblies

| | | |
|---------------------------|--|-------------------|
| RA250MHXXHRB ¹ | 250W MH with prewired Holoflex L cord drop and hook. For RA31B reflectors | Contact Sales Rep |
| RA250MHXXHRC ¹ | 250W MH with prewired Holoflex L cord drop and hook. For RA35B reflector | Contact Sales Rep |
| RA250MHXXHRD ¹ | 250W MH with prewired Holoflex L cord drop and hook. For RA39B, RA40B reflectors | Contact Sales Rep |
| RA250MPXXHRA ¹ | 250W MH with prewired hook, 3' cord and NEMA twist lock plug | Contact Sales Rep |
| RA400MHXXHRA ¹ | 400W MH with prewired hook, 3' cord and NEMA twist lock plug | Contact Sales Rep |

Replacement Parts

| Catalog Number | Description | Page |
|---|--|-------------------|
| PrismAire® (continued) | | |
| Ballast Assemblies | | |
| RA400MHXXHRE ¹ | 400W MH with prewired Holoflex L cord drop and hook. For RA31B, RA40B reflectors | Contact Sales Rep |
| RA400MHXXHRF ¹ | 400W MH with prewired Holoflex L cord drop and hook. For RA35B reflectors | Contact Sales Rep |
| RA400MHXXHRG ¹ | 400W MH with prewired Holoflex L cord drop and hook. For RA39B reflectors | Contact Sales Rep |
| ¹ Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number | | |
| Optics | | |
| RA31B | Enclosed Prismatic glass reflector | Contact Sales Rep |
| RA31H | Open Prismatic glass reflector | Contact Sales Rep |
| RA35B | Enclosed Prismatic glass reflector | Contact Sales Rep |
| RA35H | Open Prismatic glass reflector | Contact Sales Rep |
| RA39B | Enclosed Prismatic glass reflector | Contact Sales Rep |
| RA39H | Open Prismatic glass reflector | Contact Sales Rep |
| RA40B | Enclosed Prismatic glass reflector | Contact Sales Rep |
| RA40H | Open Prismatic glass reflector | Contact Sales Rep |
| Sockets | | |
| SO-220 | Socket for 250W enclosed; and all 400W ballast assembly | Contact Sales Rep |
| SO-373 | Socket for 250W open ballast assembly only | Contact Sales Rep |

Prismalume®

Ballast Assemblies

| | | |
|-----------------------------|---|-------|
| LA40RMHXXPJ ¹ | 400W MH ballast assembly, PRSL39 reflector | 44-55 |
| LA40RMHXXPL ¹ | 400W MH ballast assembly, PRSL50 reflector | 44-55 |
| LA40RMHXXPM ¹ | 400W MH ballast assembly, PRSL40 reflector | 44-55 |
| LA40RMHXXPP ¹ | 400W MH ballast assembly, PRSL31 reflector | 44-55 |
| LA40RMHXXPPY ¹ | 400W MH ballast assembly, PRSL39 reflector | 44-55 |
| LA40RMHXXPPZ ¹ | 400W MH ballast assembly, PRSL35A, PRSL37 reflector | 44-55 |
| LA40RMHXXPQ ¹ | 400W MH ballast assembly, PRSL39 reflector | 44-55 |
| LA750HPXXPQ ¹ | 750W HPS ballast assembly, PRSL40, PRSL50 reflector | 44-55 |
| LA750HPXXPS ¹ | 750W HPS ballast assembly, PRSL39 reflector | 44-55 |
| LAC10HPXXPB ¹ | 1000W HPS ballast assembly, PRSL39 reflector | 44-55 |
| LAC10HPXXPL ¹ | 1000W HPS ballast assembly, PRSL39 reflector | 44-55 |
| LAC10HPXXPU ¹ | 1000W HPS ballast assembly, PRSL39 reflector | 44-55 |
| LAC10HPXXPV ¹ | 1000W HPS ballast assembly, PRSL50 reflector | 44-55 |
| LAC10HPXXPW ¹ | 1000W HPS ballast assembly, PRSL39 reflector | 44-55 |
| LAC10HPXXPZ ¹ | 1000W HPS ballast assembly, PRSL39, PRSL40 reflector | 44-55 |
| LAC10MHXXPB ¹ | 1000W MH ballast assembly, PRSL39, PRSL40, PRSL50 reflector | 44-55 |
| LAC10MHXXPY ¹ | 1000W MH ballast assembly, PRSL50 reflector | 44-55 |
| LAC10MHXXPC ¹ | 1000W HPS ballast assembly, PRSL35A reflector | 44-55 |
| LAC10MHXXPG ¹ | 1000W HPS ballast assembly, PRSL35A reflector | 44-55 |
| LAC10MHXXPH ¹ | 1000W HPS ballast assembly, PRSL39, PRSL40 reflector | 44-55 |
| LAC10MHXXPJ ¹ | 1000W HPS ballast assembly, PRSL39 reflector | 44-55 |
| LAC10MHXXPL ¹ | 1000W HPS ballast assembly, PRSL50 reflector | 44-55 |
| LAC10MHXXPM ¹ | 1000W HPS ballast assembly, PRSL35A reflector | 44-55 |
| LAC10MHXXPN ¹ | 1000W HPS ballast assembly, PRSL31 reflector | 44-55 |
| MB5A15AHPXXPDH ¹ | 150W HPS ballast assembly, PRSL31 reflector | 44-55 |
| MB5A15AHPXXPDM ¹ | 150W HPS ballast assembly, PRSL35A reflector | 44-55 |
| MB5A175MPXXPDJ ¹ | 175W MH and MV ballast assembly, PRSL31 reflector | 44-55 |
| MB5A175MPXXPDM ¹ | 175W MH and MV ballast assembly, PRSL35A and PRSL37 reflector | 44-55 |
| MB5A175PPXXPDJ ¹ | 175W MH ballast assembly, PRSL31 reflector | 44-55 |
| MB5A175PPXXPDM ¹ | 175W MH ballast assembly, PRSL35A and PRSL37 reflector | 44-55 |
| MB5A250HPXXPDJ ¹ | 250W HPS ballast assembly, PRSL31 reflector | 44-55 |
| MB5A250HPXXPDM ¹ | 250W HPS ballast assembly, PRSL35A and PRSL37 reflector | 44-55 |
| MB5A250HPXXPDL ¹ | 250W HPS ballast assembly, PRSL39 reflector | 44-55 |
| MB5A250HPXXPDS ¹ | 250W HPS ballast assembly, PRSL40 reflector | 44-55 |
| MB5A250HPXXPDZ ¹ | 250W HPS ballast assembly, PRSL31 reflector | 44-55 |
| MB5A250MPXXPDJ ¹ | 250W MH and MV ballast assembly, PRSL31 reflector | 44-55 |
| MB5A250MPXXPDL ¹ | 250W MH and MV ballast assembly, PRSL39 and PRSL40 reflector | 44-55 |
| MB5A250MPXXPDM ¹ | 250W MH and MV ballast assembly, PRSL35A and PRSL37 reflector | 44-55 |
| MB5A250PPXXPDJ ¹ | 250W MH ballast assembly, PRSL31 reflector | 44-55 |

Replacement Parts

| Catalog Number | Description | Page |
|--------------------------------|---|-------|
| Prismalume® (continued) | | |
| Ballast Assemblies | | |
| MB5A250PPXXPDL ¹ | 250W MH ballast assembly, PRSL39 and PRSL40 reflector | 44-55 |
| MB5A250PPXXPDM ¹ | 250W MH ballast assembly, PRSL35A and PRSL37 reflector | 44-55 |
| MB5A320PPXXPDJ ¹ | 320W MH ballast assembly, PRSL31 reflector | 44-55 |
| MB5A320PPXXPDL ¹ | 320W MH ballast assembly, PRSL39 and PRSL40 reflector | 44-55 |
| MB5A320PPXXPDM ¹ | 320W MH ballast assembly, PRSL35A and PRSL37 reflector | 44-55 |
| MB5A35LPPXXPDB ¹ | 350W MH ballast assembly, PRSL35A and PRSL37 reflector | 44-55 |
| MB5A35LPPXXPDE ¹ | 350W MH ballast assembly, PRSL31 and PRSL40 reflector | 44-55 |
| MB5A35LPPXXPDH ¹ | 350W MH ballast assembly, PRSL50 reflector | 44-55 |
| MB5A35LPPXXPDN ¹ | 350W MH ballast assembly, PRSL39 reflector | 44-55 |
| MB5A400HPXXPDH ¹ | 400W HPS ballast assembly, PRSL31 reflector | 44-55 |
| MB5A400HPXXPDM ¹ | 400W HPS ballast assembly, PRSL35A, PRSL37 and PRSL39 reflector | 44-55 |
| MB5A400HPXXPDN ¹ | 400W HPS ballast assembly, PRSL31 reflector | 44-55 |
| MB5A400HPXXPDS ¹ | 400W HPS ballast assembly, PRSL40 reflector | 44-55 |
| MB5A400HPXXPDT ¹ | 400W HPS ballast assembly, PRSL50 reflector | 44-55 |
| MB5A400MHXXPDB ¹ | 400W MH and MV ballast assembly, PRSL35A and PRSL37 reflector | 44-55 |
| MB5A400MHXXPDB ¹ | 400W MH and MV ballast assembly, PRSL35A and PRSL37 reflector | 44-55 |
| MB5A400MHXXPDE ¹ | 400W MH and MV ballast assembly, PRSL31 and PRSL40 reflector | 44-55 |
| MB5A400MHXXPDE ¹ | 400W MH and MV ballast assembly, PRSL40 reflector | 44-55 |
| MB5A400MHXXPDG ¹ | 400W MH ballast assembly, PRSL39 reflector | 44-55 |
| MB5A400MHXXPDG ¹ | 400W MH and MV ballast assembly, PRSL39 reflector | 44-55 |
| MB5A400MHXXPDH ¹ | 400W MH and MV ballast assembly, PRSL50 reflector | 44-55 |
| MB5A400MHXXPDH ¹ | 400W MH and MV ballast assembly, PRSL31 and PRSL50 reflector | 44-55 |
| MB5A400MHXXPDM ¹ | 400W MH and MV ballast assembly, PRSL39 reflector | 44-55 |
| MB5A400MHXXPDN ¹ | 400W MH and MV ballast assembly, PRSL39 reflector | 44-55 |
| MB5A400MHXXPDN ¹ | 400W MH and MV ballast assembly, PRSL39 reflector | 44-55 |
| MB5A400PMXXPDB ¹ | 400W MH ballast assembly, PRSL35A and PRSL37 reflector | 44-55 |
| MB5A400PMXXPDE ¹ | 400W MH ballast assembly, PRSL31 and PRSL40 reflector | 44-55 |
| MB5A400PMXXPDH ¹ | 400W MH ballast assembly, PRSL50 reflector | 44-55 |
| MB5A400PMXXPDN ¹ | 400W MH ballast assembly, PRSL39 reflector | 44-55 |
| Optics | | |
| PRSL31 | Prismatic glass reflector | 44-55 |
| PRSL35A | Prismatic glass reflector | 44-55 |
| PRSL37 | Prismatic glass reflector | 44-55 |
| PRSL39 | Prismatic glass reflector | 44-55 |
| PRSL40 | Prismatic glass reflector | 44-55 |
| PRSL50 | Prismatic glass reflector | 44-55 |
| Sockets | | |
| SO-373 | Socket for 250W open ballast assembly only | 44-55 |
| SO-217 | Socket for 150-400W HPS, 400W MH and MV | 44-55 |
| SO-218 | Socket for 1000W MH and MV | 44-55 |
| SO-325 | Socket insulator | 44-55 |
| SO-333 | Socket for 1000W HPS (replaces SO-264) | 44-55 |

¹ Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number.

Prismalume Enclosed® PE

Ballast Assemblies

| | | |
|---------------------------|---|-------|
| PE15AHPXXPNC ¹ | 150W HPS ballast assembly | 44-55 |
| PE15AHPXXPNG ¹ | 150W HPS ballast assembly | 44-55 |
| PE15AHPXXPNJ ¹ | 150W HPS ballast assembly | 44-55 |
| PE15AHPXXPNM ¹ | 150W HPS ballast assembly | 44-55 |
| PE15AHPXXPNS ¹ | 150W HPS ballast assembly | 44-55 |
| PE175MHXXPNH ¹ | 175W MH ballast assembly | 44-55 |
| PE175MHXXPNM ¹ | 175W MH ballast assembly | 44-55 |
| PE175MHXXPNN ¹ | 175W MH ballast assembly | 44-55 |
| PE250HPXXPNC ¹ | 250W HPS ballast assembly | 44-55 |
| PE250HPXXPND ¹ | 250W HPS ballast assembly | 44-55 |
| PE250HPXXPNM ¹ | 250W HPS ballast assembly | 44-55 |
| PE250HPXXPNP ¹ | 250W HPS ballast assembly | 44-55 |
| PE250HPXXPNU ¹ | 250W HPS ballast assembly | 44-55 |
| PE250MHXXPNH ¹ | 250W MH ballast assembly | 44-55 |
| PE250MHXXPNM ¹ | 250W MH ballast assembly | 44-55 |
| PE250MHXXPNN ¹ | 250W MH ballast assembly | 44-55 |
| PE250MHXXPNP ¹ | 250W MH ballast assembly | 44-55 |
| PE250MHXXPNT ¹ | 250W MH ballast assembly | 44-55 |
| PE250PMXXPNX ¹ | 250W MH ballast assembly. Not available with PE40, PE50 | 44-55 |

Replacement Parts

| Catalog Number | Description | Page |
|---|--|-------------------|
| Prismalume Enclosed® PE (continued) | | |
| Ballast Assemblies | | |
| PE25LHPXXPNX ¹ | 250W HPS ballast assembly. Not available with PE50 | 44-55 |
| PE25LMHXXPNX ¹ | 250W MH and MV ballast assembly. Not available with PE40, PE50 | 44-55 |
| PE25LPMXXPNX ¹ | 250W MH ballast assembly. Not available with PE40, PE50 | 44-55 |
| PE320PMXXPNB ¹ | 320W MH ballast assembly | 44-55 |
| PE320PMXXPNM ¹ | 320W MH ballast assembly | 44-55 |
| PE320PMXXPNP ¹ | 320W MH ballast assembly | 44-55 |
| PE320PMXXPNP ¹ | 320W MH ballast assembly | 44-55 |
| PE320PMXXPNP ¹ | 320W MH ballast assembly | 44-55 |
| PE320PMXXPNT ¹ | 320W MH ballast assembly | 44-55 |
| PE35LPMXXPNA ¹ | 350W MH ballast assembly | 44-55 |
| PE35LPMXXPNB ¹ | 350W MH ballast assembly | 44-55 |
| PE35LPMXXPND ¹ | 350W MH ballast assembly | 44-55 |
| PE35LPMXXPNE ¹ | 350W MH ballast assembly | 44-55 |
| PE35LPMXXPNJ ¹ | 350W MH ballast assembly | 44-55 |
| PE400HPXXPNC ¹ | 400W HPS ballast assembly | 44-55 |
| PE400HPXXPND ¹ | 400W HPS ballast assembly | 44-55 |
| PE400HPXXPNM ¹ | 400W HPS ballast assembly | 44-55 |
| PE400HPXXPNP ¹ | 400W HPS ballast assembly | 44-55 |
| PE400HPXXPNU ¹ | 400W HPS ballast assembly | 44-55 |
| PE400MHXXPNA ¹ | 400W MH ballast assembly | 44-55 |
| PE400MHXXPNB ¹ | 400W MH ballast assembly | 44-55 |
| PE400MHXXPND ¹ | 400W MH ballast assembly | 44-55 |
| PE400MHXXPNE ¹ | 400W MH ballast assembly | 44-55 |
| PE400MHXXPNJ ¹ | 400W MH ballast assembly | 44-55 |
| PE400MHXXPNX ¹ | 400W MH & MV ballast assembly. Not available with PE40, PE50 | 44-55 |
| PE400PMXXPNX ¹ | 400W MH ballast assembly. Not available with PE40, PE50 | 44-55 |
| PE40LMHXXPNX ¹ | 400W MH and MV ballast assembly. Not available with PE40, PE50 | 44-55 |
| PE40LPMXXPNX ¹ | 400W MH ballast assembly. Not available with PE40, PE50 | 44-55 |
| ¹ Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number | | |
| Optics | | |
| PE18 | Prismatic Glass Reflector | 44-55 |
| PE31 | Prismatic Glass Reflector | 44-55 |
| PE35 | Prismatic Glass Reflector | 44-55 |
| PE39 | Prismatic Glass Reflector | 44-55 |
| PE40 | Prismatic Glass Reflector | 44-55 |
| PE50 | Prismatic Glass Reflector | 44-55 |
| PE58 | Prismatic Glass Reflector | 44-55 |
| Optical Mounting Box | | |
| EGQ-WH | Optical mounting box | 44-55 |
| 7200 Prismaticite® | | |
| Lens Assembly | | |
| 7101-C | Lens assembly for 7200-2, 2' fixtures | Contact Sales Rep |
| 7101-D | Lens assembly for 7200-8, 2 required for 8' fixture | Contact Sales Rep |
| 7101-DR-C | Impact resistant lens assembly for 4' fixture | Contact Sales Rep |
| 7101-H | Lens assembly for 7200 (2' x 2' fixture) | Contact Sales Rep |
| 7101-J | Lens assembly for 7200-2, 2' fixtures | Contact Sales Rep |
| PrismGlo® Compact | | |
| Ballast Assemblies | | |
| PAB18QFL12 | R18W QFL, 120V recessed/remote ballast assembly and stem | 24-25 |
| PAB23EFL12 | 23W Earth Light, 120V, recessed/remote ballast assembly and stem | 24-25 |
| PAB26CFL12 | 26W CFL, 120V, recessed/remote ballast assembly and stem | 24-25 |
| PAB50DMHXX ¹ | 50W MH, recessed/remote ballast assembly and stem | 24-25 |
| PAB50DWS12 | 50W HPS (White Son), 120V, recessed/remote ballast assembly and stem | 24-25 |
| PAB70DHPXX ¹ | 70W HPS, recessed/remote ballast assembly and stem | 24-25 |
| PAB70DMHXX ¹ | 70W MH, recessed/remote ballast assembly and stem | 24-25 |
| PAB10DHPXX ¹ | 100W HPS, recessed/remote ballast assembly and stem | 24-25 |

Replacement Parts

| Catalog Number | Description | Page |
|--------------------------------------|--|-------|
| PrismGlo® Compact (continued) | | |
| Ballast Assemblies | | |
| PAB10DMHXX ¹ | 100W MH, recessed/remote ballast assembly and stem | 24-25 |
| PAB10DWS12 | 100W HPS (White Son), 120V recessed/remote ballast assembly and stem | 24-25 |
| PAB15DHPXX ¹ | 150W HPS, recessed/remote ballast assembly and stem | 24-25 |
| PAB15DIN12 | 150W INC, 120V, recessed/remote ballast assembly and stem | 24-25 |
| PAB15DMHXX ¹ | 150W MH recessed/remote ballast assembly and stem | 24-25 |
| PAB17DMHXX ¹ | 175W MH, recessed/remote ballast assembly and stem | 24-25 |
| PAC50DMHXX ¹ | 50W MH, integral ballast assembly and stem | 24-25 |
| PAC70DHPXX ¹ | 70W HPS, integral ballast assembly and stem | 24-25 |
| PAC70DMHXX ¹ | 70W MH, integral ballast assembly and stem | 24-25 |
| PAC10DHPXX ¹ | 100W HPS, integral ballast assembly and stem | 24-25 |
| PAC10DMHXX ¹ | 100W MH, integral ballast assembly and stem | 24-25 |
| PAC15DHPXX ¹ | 150W HPS, integral ballast assembly and stem | 24-25 |
| PAC15DMHXX ¹ | 150W MH, integral ballast assembly and stem | 24-25 |
| PAC17DMHXX ¹ | 175W MH, integral ballast assembly and stem | 24-25 |

¹ Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number. Available at the same price

Optics

| | | |
|----------------|-----|-------|
| Aurora optics | PAD | 24-25 |
| Delphic optics | PAE | 24-25 |
| Electra optics | PAJ | 24-25 |
| Athena optics | PAM | 24-25 |
| Mentor optics | | |

Sockets

| | | |
|--------|-----------------------------|-------|
| SO-353 | Socket for quad fluorescent | 24-25 |
| SO-354 | Socket for HPS and MH | 24-25 |

PrismGlo®

Optics

| | | |
|------------|--|-------|
| BL2X175MHR | 175W MH optical assembly, Athena style, 60% up | 22-23 |
| BL2X200HPR | 200W HPS optical assembly, Athena style, 60% up | 22-23 |
| BL2X250HPR | 250W HPS optical assembly, Athena style, 60% up | 22-23 |
| BL2X250MHR | 250W MH optical assembly, Athena style, 60% up | 22-23 |
| BL2X400HPR | 400W HPS optical assembly, Athena style, 60% up | 22-23 |
| BL2X400MHR | 400W MH optical assembly, Athena style, 60% up | 22-23 |
| BL2X400PMR | 400W MH pulse start optical assembly, Athena style, 60% up | 22-23 |
| BL2X500INR | 500W INC optical assembly, Athena style, 60% up | 22-23 |

Sockets

| | | |
|--------|------------------|-------|
| SO-220 | Socket | 22-23 |
| SO-325 | Socket insulator | 22-23 |

PrismGlo® – Integral/Pendant

Ballast Assemblies

| | | |
|--------------------------|--|-------|
| BL2C175MHXX ¹ | 175W MH and MV ballast assembly | 22-23 |
| BL2C200HPXX ¹ | 200W HPS ballast assembly | 22-23 |
| BL2C250HPXX ¹ | 250W HPS ballast assembly | 22-23 |
| BL2C250MHXX ¹ | 250W MH and MV ballast assembly | 22-23 |
| BL2C400HPXX ¹ | 400W HPS ballast assembly | 22-23 |
| BL2C400MHXX ¹ | 400W MH and MV ballast assembly | 22-23 |
| BL2C400PMXX ¹ | 400W MH and MV pulse start, ballast assembly | 22-23 |

¹ Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number

Quick Disconnect Hanger

| | | |
|--------|---|-------|
| QDH-WH | Quick disconnect hanger assembly for recessed and integral ballast only | 22-23 |
|--------|---|-------|

PrismGlo® – Integral/Pendant 65°C

Ballast Assemblies

| | | |
|--------------------------|--------------------------------------|-------|
| BL2D175MHXX ¹ | 175W MH and MV ballast assembly | 22-23 |
| BL2D200HPXX ¹ | 200W HPS ballast assembly | 22-23 |
| BL2D250HPXX ¹ | 250W HPS ballast assembly | 22-23 |
| BL2D250MHXX ¹ | 250W MH and MV ballast assembly | 22-23 |
| BL2D400HPXX ¹ | 400W HPS ballast assembly | 22-23 |
| BL2D400MHXX ¹ | 400W MH and MV ballast assembly | 22-23 |
| BL2D400PMXX ¹ | 400W MH pulse start ballast assembly | 22-23 |

¹ Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number

Replacement Parts

| Catalog Number | Description | Page |
|---|--|-------|
| PrismGlo® – Recessed | | |
| Ballast Assemblies | | |
| BL2B175MHXX ¹ | 175W MH and MV ballast assembly | 22-23 |
| BL2B200HPXX ¹ | 200W HPS ballast assembly | 22-23 |
| BL2B250HPXX ¹ | 250W HPS ballast assembly | 22-23 |
| BL2B250MHXX ¹ | 250W MH and MV ballast assembly | 22-23 |
| BL2B400HPXX ¹ | 400W HPS ballast assembly | 22-23 |
| BL2B400MHXX ¹ | 400W MH and MV ballast assembly | 22-23 |
| ¹ Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number | | |
| Stems | | |
| STM75009B | 9" stem assembly with side rails and canopy | 22-23 |
| STM75015B | 15" stem assembly with side rails and canopy | 22-23 |
| STM75020B | 20" stem assembly with side rails and canopy | 22-23 |
| STM75026B | 26" stem assembly with side rails and canopy | 22-23 |
| PrismGlo® – Remote | | |
| Ballast Assemblies | | |
| RB1175MHXX ¹ | 175W MH and MV ballast assembly | 22-23 |
| RB1200HPXX ¹ | 200W HPS ballast assembly | 22-23 |
| RB1250HPXX ¹ | 250W HPS ballast assembly | 22-23 |
| RB1250MHXX ¹ | 250W MH and MV ballast assembly | 22-23 |
| RB1400HPXX ¹ | 400W HPS ballast assembly | 22-23 |
| RB1400MHXX ¹ | 400W MH and MV ballast assembly | 22-23 |
| ¹ Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number | | |
| Stems | | |
| STM75009E | 9" stem assembly with canopy | 22-23 |
| STM75015E | 15" stem assembly with canopy | 22-23 |
| STM75020E | 20" stem assembly with canopy | 22-23 |
| STM75026E | 26" stem assembly with canopy | 22-23 |
| PrismGlo® – Surface | | |
| Stems | | |
| STM75009A | 9" stem assembly | 22-23 |
| STM75015A | 15" stem assembly | 22-23 |
| STM75020A | 20" stem assembly | 22-23 |
| STM75026A | 26" stem assembly | 22-23 |
| PrismGlo® – Surface Mount | | |
| Ballast Assemblies | | |
| BL2A175MHXX ¹ | 175W MH and MV ballast assembly | 22-23 |
| BL2A200HPXX ¹ | 200W HPS ballast assembly | 22-23 |
| BL2A250HPXX ¹ | 250W HPS ballast assembly | 22-23 |
| BL2A250MHXX ¹ | 250W MH and MV ballast assembly | 22-23 |
| BL2A250MPXX ¹ | 250W MH and MV ballast assembly for open optics only | 22-23 |
| BL2A400HPXX ¹ | 400W HPS ballast assembly | 22-23 |
| BL2A400MHXX ¹ | 400W MH and MV ballast assembly | 22-23 |
| BL2A400PMXX ¹ | 400W MH pulse start ballast assembly | 22-23 |
| ¹ Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number | | |
| PrismPack® Enclosed-KE | | |
| Ballast Assemblies | | |
| KE15AHPXXPNG ¹ | 150W HPS ballast assembly | 64-71 |
| KE15AHPXXPNM ¹ | 150W HPS ballast assembly | 64-71 |
| KE15AHPXXPNS ¹ | 150W HPS ballast assembly | 64-71 |
| KE175MHXXPNH ¹ | 175W MH ballast assembly | 64-71 |
| KE175MHXXPNM ¹ | 175W MH ballast assembly | 64-71 |
| KE175MHXXPNS ¹ | 175W MH ballast assembly | 64-71 |
| KE250HPXXPNC ¹ | 250W HPS ballast assembly | 64-71 |

Replacement Parts

| Catalog Number | Description | Page |
|--|--|-------|
| Prismpack® Enclosed-KE | | |
| Ballast Assemblies | | |
| KE250HPXXPN ¹ | 250W HPS ballast assembly | 60-71 |
| KE250HPXXPNM ¹ | 250W HPS ballast assembly | 60-71 |
| KE250HPXXPNP ¹ | 250W HPS ballast assembly | 60-71 |
| KE250HPXXPNU ¹ | 250W HPS ballast assembly | 60-71 |
| KE250MHXXPNH ¹ | 250W MH ballast assembly | 60-71 |
| KE250MHXXPNM ¹ | 250W MH ballast assembly | 60-71 |
| KE250MHXXPNP ¹ | 250W MH ballast assembly | 60-71 |
| KE250MHXXPNT ¹ | 250W MH ballast assembly | 60-71 |
| KE320PMXXPNH ¹ | 320W MH ballast assembly | 60-71 |
| KE320PMXXPNM ¹ | 320W MH ballast assembly | 60-71 |
| KE320PMXXPNP ¹ | 320W MH ballast assembly | 60-71 |
| KE320PMXXPNT ¹ | 320W MH ballast assembly | 60-71 |
| KE35LPMXXPMB ¹ | 320W MH ballast assembly | 60-71 |
| KE35LPMXXPNA ¹ | 320W MH ballast assembly | 60-71 |
| KE35LPMXXPND ¹ | 320W MH ballast assembly | 60-71 |
| KE35LPMXXPNE ¹ | 320W MH ballast assembly | 60-71 |
| KE35LPMXXPNJ ¹ | 320W MH ballast assembly | 60-71 |
| KE400HPXXPNC ¹ | 400W HPS ballast assembly | 60-71 |
| KE400HPXXPND ¹ | 400W HPS ballast assembly | 60-71 |
| KE400HPXXPNM ¹ | 400W HPS ballast assembly | 60-71 |
| KE400HPXXPNP ¹ | 400W HPS ballast assembly | 60-71 |
| KE400HPXXPNU ¹ | 400W HPS ballast assembly | 60-71 |
| KE400MHXXPNA ¹ | 400W MH ballast assembly | 60-71 |
| KE400MHXXPNB ¹ | 400W MH ballast assembly | 60-71 |
| KE400MHXXPND ¹ | 400W MH ballast assembly | 60-71 |
| KE400MHXXPNE ¹ | 400W MH ballast assembly | 60-71 |
| KE400MHXXPNJ ¹ | 400W MH ballast assembly | 60-71 |
| 1 Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number | | |
| Optics | | |
| KE31 | Optics-Prismatic glass reflector with aluminum cover | 60-71 |
| KE35 | Optics-Prismatic glass reflector with aluminum cover | 60-71 |
| KE39 | Optics-Prismatic glass reflector with aluminum cover | 60-71 |
| KE40 | Optics-Prismatic glass reflector with aluminum cover | 60-71 |
| KE50 | Optics-Prismatic glass reflector with aluminum cover | 60-71 |

Prismpack® V

| | | |
|-----------------------------|--|-------|
| Ballast Assemblies | | |
| LA40RMHXXPM ¹ | 400W MH mag reg ballast assembly, 6631-A-AL, 6639-AL reflector | 60-71 |
| LA40RMHXXPS ¹ | 400W MH mag reg ballast assembly, 6650-AL reflector | 60-71 |
| LA40RMHXXPY ¹ | 400W MH mag reg ballast assembly, 6635-A-AL, 6637-AL reflector | 60-71 |
| LA40RMHXXPZ ¹ | 400W MH mag reg ballast assembly, 6640-AL reflector | 60-71 |
| LA750HPXXPH ¹ | 750W HPS ballast assembly, 6639-AL reflector | 60-71 |
| LA750HPXXPQ ¹ | 750W HPS ballast assembly, 6640-AL reflector | 60-71 |
| LA750HPXXPV ¹ | 750W HPS ballast assembly, 6650-AL reflector | 60-71 |
| LAC10HPXXPG ¹ | 1000W HPS ballast assembly, 6640-AL reflector | 60-71 |
| LAC10HPXXPH ¹ | 1000W HPS ballast assembly, 6639-AL reflector | 60-71 |
| LAC10HPXXPJ ¹ | 1000W HPS ballast assembly, 6639-AL reflector | 60-71 |
| LAC10HPXXPP ¹ | 1000W HPS ballast assembly, 6639-AL reflector | 60-71 |
| LAC10HPXXPV ¹ | 1000W HPS ballast assembly, 6650-AL reflector | 60-71 |
| LAC10MHXXPB ¹ | 1000W MH ballast assembly, 6639-AL, 6640-AL reflector | 60-71 |
| LAC10MHXXPG ¹ | 1000W MH ballast assembly, 6650-AL reflector | 60-71 |
| LACP1HPXXPG ¹ | 1000W HPS ballast assembly, 6635-A-AL reflector | 60-71 |
| LACP1HPXXPH ¹ | 1000W HPS ballast assembly, 6640-AL reflector | 60-71 |
| LACP1HPXXPL ¹ | 1000W HPS ballast assembly, 6650-AL reflector | 60-71 |
| LACP1HPXXPN ¹ | 1000W HPS ballast assembly, 6631-A-AL, 6639-AL reflector | 60-71 |
| LACP1HPXXPU ¹ | 1000W HPS ballast assembly, 6650-AL reflector | 60-71 |
| ACP1HPXXPZ ¹ | 1000W HPS ballast assembly, 6639-AL reflector | 60-71 |
| MB5A15AHPXXPDH ¹ | 150W/55V HPS ballast assembly, 6631-A-AL reflector | 60-71 |
| MB5A15AHPXXPDM ¹ | 150W/55V HPS ballast assembly, 6635-A-AL, 6637-AL reflector | 60-71 |
| MB5A175MPXXPDJ ¹ | 175W MH ballast assembly, 6631-A-AL reflector | 60-71 |
| MB5A175MPXXPDM ¹ | 175W MH ballast assembly, 6635-A-AL and 6637-A-AL reflector | 60-71 |
| MB5A175PPXXPDJ ¹ | 175W MH ballast assembly, 6631-A-AL reflector | 60-71 |
| MB5A175PPXXPDM ¹ | 175W MH ballast assembly, 6635-A-AL and 6637-A-AL reflector | 60-71 |
| MB5A250HPXXPDC ¹ | 250W HPS ballast assembly, 6635-A-AL reflector | 60-71 |
| MB5A250HPXXPDJ ¹ | 250W HPS ballast assembly, 6631-A-AL and 6639-AL reflector | 60-71 |
| MB5A250HPXXPDM ¹ | 250W HPS ballast assembly, 6637-AL reflector | 60-71 |
| MB5A250HPXXPDS ¹ | 250W HPS ballast assembly, 6640-AL reflector | 60-71 |
| MB5A250HPXXPDZ ¹ | 250W HPS ballast assembly, 6631-A-AL reflector | 60-71 |

Replacement Parts

| Catalog Number | Description | Page |
|--|--|-------|
| Prismpack® V (continued) | | |
| Ballast Assemblies | | |
| MB5A250MPXXPDJ ¹ | 250W MH ballast assembly, 6631-A-AL reflector" | 64-71 |
| MB5A250MPXXPDL ¹ | 250W MH ballast assembly, 6639-A-AL and 6640-A-AL reflector | 64-71 |
| MB5A250MPXXPDM ¹ | 250W MH ballast assembly, 6635-A-AL and 6637-A-AL reflector | 64-71 |
| MB5A250PPXXPDJ ¹ | 250W MH ballast assembly, 6631-A-AL reflector | 64-71 |
| MB5A250PPXXPDL ¹ | 250W MH ballast assembly, 6639-A-AL and 6640-A-AL reflector | 64-71 |
| MB5A250PPXXPDM ¹ | 250W MH ballast assembly, 6635-A-AL and 6637-A-AL reflector | 64-71 |
| MB5A320PPXXPDJ ¹ | 320W MH ballast assembly, 6631-A-AL reflector | 64-71 |
| MB5A320PPXXPDL ¹ | 320W MH ballast assembly, 6639-A-AL and 6640-A-AL reflector | 64-71 |
| MB5A320PPXXPDM ¹ | 320W MH ballast assembly, 6635-A-AL and 6637-A-AL reflector | 64-71 |
| MB5A35LPMXXPDB ¹ | 350W MH ballast assembly, 6635-A-AL and 6637-A-AL reflector | 64-71 |
| MB5A35LPMXXPDE ¹ | 320W MH ballast assembly, 6631-A-AL and 6639-A-AL reflector | 64-71 |
| MB5A35LPMXXPDG ¹ | 350W MH ballast assembly, 6640-A-AL reflector | 64-71 |
| MB5A35LPMXXPDJ ¹ | 350W MH ballast assembly, 6650-A-AL reflector | 64-71 |
| MB5A400HPXXPDH ¹ | 400W HPS ballast assembly, 6631-A-AL reflector | 64-71 |
| MB5A400HPXXPDJ ¹ | 400W HPS ballast assembly, 6639-A-AL reflector | 64-71 |
| MB5A400HPXXPDM ¹ | 400W HPS ballast assembly, 6635-A-AL and 6637-A-AL reflector | 64-71 |
| MB5A400HPXXPDN ¹ | 400W HPS ballast assembly, 6631-A-AL reflector | 64-71 |
| MB5A400HPXXPDS ¹ | 400W HPS ballast assembly, 6640-A-AL reflector | 64-71 |
| MB5A400HPXXPDV ¹ | 400W HPS ballast assembly, 6650-A-AL reflector | 64-71 |
| MB5A400MHXXPDB ¹ | 400W MH and MV ballast assembly, 6635-A-AL and 6637-A-AL reflector | 64-71 |
| MB5A400MHXXPDE ¹ | 400W MH and MV ballast assembly, 6631-A-AL and 6639-A-AL reflector | 64-71 |
| MB5A400MHXXPDG ¹ | 400W MH and MV ballast assembly, 6640-A-AL reflector | 64-71 |
| MB5A400MHXXPDJ ¹ | 400W MH and MV ballast assembly, 6650-A-AL reflector | 64-71 |
| MB5A400PMXXPDB ¹ | 400W MH ballast assembly, 6635-A-AL and 6637-A-AL reflector | 64-71 |
| MB5A400PMXXPDE ¹ | 400W MH ballast assembly, 6631-A-AL and 6639-A-AL reflector | 64-71 |
| MB5A400PMXXPDG ¹ | 400W MH ballast assembly, 6640-A-AL reflector | 64-71 |
| MB5A400PMXXPDJ ¹ | 400W MH ballast assembly, 6650-A-AL reflector | 64-71 |
| 1 Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for ""XX"" in catalog number | | |
| Optics | | |
| 6631-A-AL | Prismatic glass reflector | 64-71 |
| 6635-A-AL | Prismatic glass reflector | 64-71 |
| 6637-A-AL | Prismatic glass reflector | 64-71 |
| 6639-A-AL | Prismatic glass reflector | 64-71 |
| 6640-A-AL | Prismatic glass reflector | 64-71 |
| 6650-A-AL | Prismatic glass reflector | 64-71 |
| Quick Disconnect Hanger | | |
| QDH-WH | Quick disconnect hanger assembly | 60-71 |
| Sockets | | |
| SO-217 | Socket for 150-400W HPS, 400W MH and MV | 60-71 |
| SO-218 | Socket for 1000W MH and MV | 60-71 |
| SO-325 | Socket insulator | 60-71 |
| SO-333 | Socket for 1000W HPS (replaces SO-264) | 60-71 |

Twin Series

| | | |
|---------------------------|--|-------|
| Ballast Assemblies | | |
| TW35LPPXXB ¹ | 2 - 350W MH ballast assembly | 58-59 |
| TW35LPPXXE ¹ | 2 - 350W MH ballast assembly | 58-59 |
| TW35LPPXXG ¹ | 2 - 350W MH ballast assembly | 58-59 |
| TW35LPPXXM ¹ | 2 - 350W MH ballast assembly | 58-59 |
| TW400HPXXH ¹ | 2-400W HPS ballast assembly, PRSL31 reflector | 58-59 |
| TW400HPXXH ¹ | 2-400W HPS ballast assembly, 6631-A-AL reflector | 58-59 |
| TW400HPXXJ ¹ | 2-400W HPS ballast assembly, 6639-A-AL reflector | 58-59 |
| TW400HPXXM ¹ | 2-400W HPS ballast assembly, PRSL35, PRSL37 and PRSL39 reflector | 58-59 |
| TW400HPXXN ¹ | 2-400W HPS ballast assembly, 6635-A-AL and 6637-A-AL reflector" | 58-59 |
| TW400HPXXN ¹ | 2-400W HPS ballast assembly, PRSL31 reflector | 58-59 |
| TW400HPXXN ¹ | 2-400W HPS ballast assembly, 6631-A-AL reflector | 58-59 |
| TW400HPXXS ¹ | 2-400W HPS ballast assembly, PRSL40 reflector | 58-59 |
| TW400HPXXS ¹ | 2-400W HPS ballast assembly, 6640-A-AL reflector | 58-59 |
| TW400MHXXB ¹ | 2 - 400W MH ballast assembly, PRSL35 and PRSL37 reflector | 58-59 |
| TW400MHXXE ¹ | 2 - 400W MH ballast assembly, 6631-A-AL and 6639-A-AL reflector | 58-59 |
| TW400MHXXM ¹ | 2 - 400W MH ballast assembly, PRSL39 reflector | 58-59 |

Replacement Parts

| Catalog Number | Description | Page |
|--------------------------------|--|-------|
| Twin Series (continued) | | |
| Ballast Assemblies | | |
| TW400MHXXN ¹ | 2 - 400W MH ballast assembly, PRSL39 reflector | 58-59 |
| TW400PMXXB ¹ | 2 - 400W MH ballast assembly | 58-59 |
| TW40LHPXXX ¹ | 2-400W HPS ballast assembly | 58-59 |
| TW40LMHXXN ¹ | 2 - 400W MH ballast assembly | 58-59 |
| TW40LMHXXX ¹ | 2 - 400W MH ballast assembly | 58-59 |
| TW40LPMXXX ¹ | 2 - 400W MH ballast assembly | 58-59 |

¹ Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number

Optics

| | | |
|-----------|---|-------|
| 6631-A-AL | Prismatic glass reflector with aluminum cover | 58-59 |
| 6631-AL | Prismatic glass reflector with aluminum cover | 58-59 |
| 6635-A-AL | Prismatic glass reflector with aluminum cover | 58-59 |
| 6637-AL | Prismatic glass reflector with aluminum cover | 58-59 |
| 6640-AL | Prismatic glass reflector with aluminum cover | 58-59 |
| PRSL31 | Prismatic glass reflector | 58-59 |
| PRSL35A | Prismatic glass reflector | 58-59 |
| PRSL37 | Prismatic glass reflector | 58-59 |
| PRSL39A | Prismatic glass reflector | 58-59 |
| PRSL40 | Prismatic glass reflector | 58-59 |

Sockets

| | | |
|--------|--------|-------|
| SO-218 | Socket | 58-59 |
|--------|--------|-------|

Vantage®

Ballast Assemblies (Does not include housing) Can not use RBK kits

| | | |
|--------------------------|--|-------|
| VAR250HPXXN ¹ | HPS ballast assembly | 94-95 |
| VAR250MHXXN ¹ | 250W MH ballast assembly | 94-95 |
| VAR25LMHXXN ¹ | 250W MH, energy saving ballast assembly | 94-95 |
| VAR400HPXXN ¹ | 400W HPS ballast assembly | 94-95 |
| VAR400MHXXN ¹ | 400W MH ballast assembly | 94-95 |
| VAR40LHPXXN ¹ | 400W HPS, energy saving ballast assembly | 94-95 |
| VAR40LMHXXN ¹ | 400W MH, energy saving ballast assembly | 94-95 |

¹ Insert voltage 12-120V, 20-208V, 24-240V, 27-277V, 34-347V or 48-480V for "XX" in catalog number

Optics

| | | |
|--------|---------------------------------|-------|
| VARHID | Optical assembly including door | 94-95 |
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| 1002-120 | Prismpack II 0.8:1 Spacing | Suggest PVC10HP12NG40 | 60 |
| 1003-120 | Prismpack II 1.3:1 Spacing | Suggest PVC10HP12NJ39 | 60 |
| 1006-120 | Prismpack II 1.4:1 Spacing | Suggest PVC10HP12NV50 | 60 |
| 1025-120 | Prismpack II Previously 1000 Watt MV | Suggest PVC10MH12NDB40 | 60 |
| 1026-120 | Prismpack II Previously 1000 Watt MV | Suggest PVC10MH12N12G50 | 60 |
| 1027-120 | Prismpack II Previously 1000 Watt MV | Suggest PVC10MH12NB39 | 60 |
| 1030-120 | Prismpack II | Suggest PVC10MH12NDB40 | 60 |
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| 1037-120 | Prismpack II | Suggest PP5K400HP12PDN31 | 60 |
| 1039-120 | Prismpack II | Suggest PP5K250HP12PDZ31 | 60 |
| 1040-120 | Prismpack II | Suggest PP5K250HP12PDS40 | 60 |
| 1054-120 | Prismpack II | Suggest PP5K400HP12PDJ39 | 60 |
| 1055-120 | Prismpack II | Suggest PP5K400HP12PDS40 | 60 |
| 1056-120 | Prismpack II | Suggest PP5K400HP12PDM37 | 60 |
| 1057-120 | Prismpack II | Suggest PP5K400HP12PDN31 | 60 |
| 1058-120 | Prismpack II | Suggest PP5K250HP12PDS40 | 60 |
| 1060-120 | Prismpack II | Suggest PP5K250HP12PDM37 | 60 |
| 1062-120 | Prismpack II | Suggest PP5K250HP12PDJ39 | 60 |
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| 1900BC-120 | Petrolux | PTA100HP12B625 | 110 |
| 1900CE-120 | Petrolux | PTA100HP12C625 | 110 |
| 1900FP-120 | Petrolux | PTA100HP12F625 | 110 |
| 1900PD-120 | Petrolux | PTA100HP12P625 | 110 |
| 1900ST-120 | Petrolux | PTA100HP12A625 | 110 |
| 1900WL-120 | Petrolux | PTA100HP12W625 | 110 |
| 1901BC-120 | Petrolux | N/A | |
| 1901CE-120 | Petrolux | N/A | |
| 1901FP-120 | Petrolux | N/A | |
| 1901PD-120 | Petrolux | N/A | |
| 1901ST-120 | Petrolux | N/A | |
| 1901WL-120 | Petrolux | N/A | |
| 1902BC-120 | Petrolux | PTA250MH12B625 | 110 |
| 1902CE-120 | Petrolux | PTA250MH12C625 | 110 |
| 1902FP-120 | Petrolux | PTA250MH12F625 | 110 |
| 1902PD-120 | Petrolux | PTA250MH12P625 | 110 |
| 1902ST-120 | Petrolux | PTA250MH12A625 | 110 |
| 1902WL-120 | Petrolux | PTA250MH12W625 | 110 |
| 1903BC-120 | Petrolux | PTA175MH12B625 | 110 |
| 1903CE-120 | Petrolux | PTA175MH12C625 | 110 |
| 1903FP-120 | Petrolux | PTA175MH12F625 | 110 |
| 1903PD-120 | Petrolux | PTA175MH12P625 | 110 |
| 1903ST-120 | Petrolux | PTA175MH12A625 | 110 |
| 1903WL-120 | Petrolux | PTA175MH12W625 | 110 |
| 1904BC | Petrolux previously 300 Watt Maximum | PTA200IN12B625 | 110 |
| 1904CE | Petrolux previously 300 Watt Maximum | PTA200IN12C625 | 110 |
| 1904FP | Petrolux previously 300 Watt Maximum | PTA200IN12F625 | 110 |
| 1904PD | Petrolux previously 300 Watt Maximum | PTA200IN12P625 | 110 |
| 1904ST | Petrolux previously 300 Watt Maximum | PTA200IN12A625 | 110 |
| 1904WL | Petrolux previously 300 Watt Maximum | PTA200IN12W625 | 110 |
| 1907BC-120 | Petrolux | PTA070HP12B625 | 110 |
| 1907CE-120 | Petrolux | PTA070HP12C625 | 110 |
| 1907FP-120 | Petrolux | PTA070HP12F625 | 110 |
| 1907PD-120 | Petrolux | PTA070HP12P625 | 110 |
| 1907ST-120 | Petrolux | PTA070HP12A625 | 110 |
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| 1909BC-120 | Petrolux | N/A | |
| 1909CE-120 | Petrolux | N/A | |
| 1909FP-120 | Petrolux | N/A | |
| 1909PD-120 | Petrolux | N/A | |
| 1909ST-120 | Petrolux | N/A | |
| 1909WL-120 | Petrolux | N/A | |
| 1910BC-120 | Petrolux | N/A | |
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| 1910PD-120 | Petrolux | PETL100HP12541PD | 106 |
| 1910ST-120 | Petrolux | PETL100HP12541SA | 106 |
| 1910WL-120 | Petrolux | PETL100HP12541WL | 106 |
| 1911BC-120 | Petrolux | N/A | |
| 1911CE-120 | Petrolux | PETL100MV12541CE | 106 |
| 1911FP-120 | Petrolux | PETL100MV12541FP | 106 |
| 1911PD-120 | Petrolux | PETL100MV12541PD | 106 |
| 1911ST-120 | Petrolux | PETL100MV12541SA | 106 |
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| 1912BC-120 | Petrolux | N/A | |
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| 1912ST-120 | Petrolux | PETL250MV12541SA | 106 |
| 1912WL-120 | Petrolux | PETL250MV12541WL | 106 |
| 1913BC-120 | Petrolux | N/A | |
| 1913CE-120 | Petrolux | PETL175MV12541CE | 106 |
| 1913FP-120 | Petrolux | PETL175MV12541FP | 106 |
| 1913PD-120 | Petrolux | PETL175MV12541PD | 106 |
| 1913ST-120 | Petrolux | PETL175MV12541SA | 106 |
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| 1915ST-120 | Petrolux | PETL175MH12541SA | 106 |
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| 1917BC-120 | Petrolux | N/A | |
| 1917CE-120 | Petrolux | PETL070HP12541CE | 106 |
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| 1917WL-120 | Petrolux | PETL070HP12541WL | 106 |
| 1918BC-120 | Petrolux | N/A | |
| 1918CE-120 | Petrolux | PETL15AHP12541CE | 106 |
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| 1919BC-120 | Petrolux | N/A | |
| 1919CE-120 | Petrolux | N/A | |
| 1919FP-120 | Petrolux | N/A | |
| 1919PD-120 | Petrolux | N/A | |
| 1919ST-120 | Petrolux | N/A | |
| 1919WL-120 | Petrolux | N/A | |
| 1930BC-120 | Petrolux | N/A | |
| 1930CE-120 | Petrolux | PETL100HP1225CCE | 106 |
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| 1930PD-120 | Petrolux | PETL100HP1225CPD | 106 |
| 1930ST-120 | Petrolux | PETL100HP1225CSA | 106 |
| 1930WL-120 | Petrolux | PETL100HP1225CWL | 106 |
| 1931BC-120 | Petrolux | N/A | |
| 1931CE-120 | Petrolux | PETL100MV1225CCE | 106 |
| 1931FP-120 | Petrolux | PETL100MV1225CFP | 106 |
| 1931PD-120 | Petrolux | PETL100MV1225CPD | 106 |
| 1931ST-120 | Petrolux | PETL100MV1225CSA | 106 |
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| 1932BC-120 | Petrolux | N/A | |
| 1932CE-120 | Petrolux | PETL250MV1225CCE | 106 |
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| 1932WL-120 | Petrolux | PETL250MV1225CWL | 106 |
| 1933BC-120 | Petrolux | N/A | |
| 1933CE-120 | Petrolux | PETL175MV1225CCE | 106 |
| 1933FP-120 | Petrolux | PETL175MV1225CFP | 106 |
| 1933PD-120 | Petrolux | PETL175MV1225CPD | 106 |
| 1933ST-120 | Petrolux | PETL175MV1225CSA | 106 |
| 1933WL-120 | Petrolux | PETL175MV1225CWL | 106 |
| 1934BC | Petrolux | N/A | |
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| 1934WL | Petrolux | PETL200IN1225CWL | 106 |
| 1935BC-120 | Petrolux | N/A | |
| 1935CE-120 | Petrolux | PETL175MH1225CCE | 106 |
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| 1935PD-120 | Petrolux | PETL175MH1225CPD | 106 |
| 1935ST-120 | Petrolux | PETL175MH1225CSA | 106 |
| 1935WL-120 | Petrolux | PETL175MH1225CWL | 106 |
| 1937BC-120 | Petrolux | N/A | |
| 1937CE-120 | Petrolux | PETL070HP1225CCE | 106 |
| 1937FP-120 | Petrolux | PETL070HP1225CFP | 106 |
| 1937PD-120 | Petrolux | PETL070HP1225CPD | 106 |
| 1937ST-120 | Petrolux | PETL070HP1225CSA | 106 |
| 1937WL-120 | Petrolux | PETL070HP1225CWL | 106 |
| 1938BC-120 | Petrolux | N/A | |
| 1938CE-120 | Petrolux | PETL15AHP1225CCE | 106 |
| 1938FP-120 | Petrolux | PETL15AHP1225CFP | 106 |
| 1938PD-120 | Petrolux | PETL15AHP1225CPD | 106 |
| 1938ST-120 | Petrolux | PETL15AHP1225CSA | 106 |
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| 1939BC-120 | Petrolux | N/A | |
| 1939CE-120 | Petrolux | N/A | |
| 1939FP-120 | Petrolux | N/A | |
| 1939PD-120 | Petrolux | N/A | |
| 1939ST-120 | Petrolux | N/A | |
| 1939WL-120 | Petrolux | N/A | |
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| 1940NS-120 | Bantam Prismatic 70 Watt HPS 4 Way Distribution | N/A | |
| 1941NS-120 | Bantam Prismatic | Suggest BA70DHP12PB | 86 |
| 1942NS-120 | Bantam Prismatic 175 Watt MV 4 Way Distribution | N/A | |
| 1944NS-120 | Bantam Prismatic | Suggest BA70DHP12PB | 86 |
| 1945NS-120 | Bantam Prismatic | Suggest BA70DHP12PG | 86 |
| 1946NS-120 | Bantam Prismatic | Suggest BA70DHP12PB | 86 |
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| 1951NS-120 | Bantam Prismatic 250 Watt MV Symmetrical Distribution | N/A | |
| 1952NS-120 | Bantam Prismatic 175 Watt MV | Suggest BA17DMH12PB | 86 |
| 1953NS-120 | Bantam Prismatic 175 Watt MV | Suggest BA17DMH12PB | 86 |
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| 1955NS-120 | Bantam Prismatic 250 Watt MV | N/A | |
| 1956NS-120 | Bantam Prismatic | Suggest BA17DMH12PB | 86 |
| 1958NS-120 | Bantam Prismatic | Suggest BA17DMH12PB | 86 |
| 1959NS-120 | Bantam Prismatic 250 Watt MV Long and Narrow Distribution | N/A | |
| 1960NS-100-120 | Bantam Prismatic 150 Watt HPS 100 Volt Asymmetrical Distribution | N/A | |
| 1960NS-55-120 | Bantam Prismatic | Suggest BA15DHP12PB | 86 |
| 1961NS-100-120 | Bantam Prismatic 150 Watt HPS 100 Volt Asymmetrical Distribution | N/A | |
| 1961NS-55-120 | Bantam Prismatic | Suggest BA15DHP12PG | 86 |
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| 1962NS-55-120 | Bantam Prismatic | Suggest BA15DHP12PB | 86 |
| 1963NS-100-120 | Bantam Prismatic 150 Watt HPS 100 Volt 4 Way Distribution | N/A | |
| 1963NS-55-120 | Bantam Prismatic | Suggest BA15DHP12PG | 86 |
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| 1964NS-55-120 | Bantam Prismatic | Suggest BA15DHP12PB | 86 |
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| 1966NS-120 | Bantam Prismatic | Suggest BA10DHP12PB | 86 |

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| 1970BC-120 | Petrolux | N/A | |
| 1970CE-120 | Petrolux | PETL100HP12545CE | 106 |
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| 1970PD-120 | Petrolux | PETL100HP12545PD | 106 |
| 1970ST-120 | Petrolux | PETL100HP12545SA | 106 |
| 1970WL-120 | Petrolux | PETL100HP12545WL | 106 |
| 1971BC-120 | Petrolux | N/A | |
| 1971CE-120 | Petrolux | PETL100MV12545CE | 106 |
| 1971FP-120 | Petrolux | PETL100MV12545FP | 106 |
| 1971PD-120 | Petrolux | PETL100MV12545PD | 106 |
| 1971ST-120 | Petrolux | PETL100MV12545SA | 106 |
| 1971WL-120 | Petrolux | PETL100MV12545WL | 106 |
| 1972BC-120 | Petrolux | N/A | |
| 1972CE-120 | Petrolux | PETL250MV12545CE | 106 |
| 1972FP-120 | Petrolux | PETL250MV12545FP | 106 |
| 1972PD-120 | Petrolux | PETL250MV12545PD | 106 |
| 1972ST-120 | Petrolux | PETL250MV12545SA | 106 |
| 1972WL-120 | Petrolux | PETL250MV12545WL | 106 |
| 1973BC-120 | Petrolux | N/A | |
| 1973CE-120 | Petrolux | PETL175MV12545CE | 106 |
| 1973FP-120 | Petrolux | PETL175MV12545FP | 106 |
| 1973PD-120 | Petrolux | PETL175MV12545PD | 106 |
| 1973ST-120 | Petrolux | PETL175MV12545SA | 106 |
| 1973WL-120 | Petrolux | PETL175MV12545WL | 106 |
| 1974BC | Petrolux | N/A | |
| 1974CE | Petrolux | PETL200IN12545CE | 106 |
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| 1974ST | Petrolux | PETL200IN12545SA | 106 |
| 1974WL | Petrolux | PETL200IN12545WL | 106 |
| 1975BC-120 | Petrolux | N/A | |
| 1975CE-120 | Petrolux | PETL175MH12545CE | 106 |
| 1975FP-120 | Petrolux | PETL175MH12545FP | 106 |
| 1975PD-120 | Petrolux | PETL175MH12545PD | 106 |
| 1975ST-120 | Petrolux | PETL175MH12545SA | 106 |
| 1975WL-120 | Petrolux | PETL175MH12545WL | 106 |
| 1977BC-120 | Petrolux | N/A | |
| 1977CE-120 | Petrolux | PETL070HP12545CE | 106 |
| 1977FP-120 | Petrolux | PETL070HP12545FP | 106 |
| 1977PD-120 | Petrolux | PETL070HP12545PD | 106 |
| 1977ST-120 | Petrolux | PETL070HP12545SA | 106 |
| 1977WL-120 | Petrolux | PETL070HP12545WL | 106 |
| 1978BC-120 | Petrolux | N/A | |
| 1978CE-120 | Petrolux | PETL15AHP12545CE | 106 |
| 1978FP-120 | Petrolux | PETL15AHP12545FP | 106 |
| 1978PD-120 | Petrolux | PETL15AHP12545PD | 106 |
| 1978ST-120 | Petrolux | PETL15AHP12545SA | 106 |
| 1978WL-120 | Petrolux | PETL15AHP12545WL | 106 |
| 1979BC-120 | Petrolux | N/A | |
| 1979CE-120 | Petrolux | N/A | |
| 1979FP-120 | Petrolux | N/A | |
| 1979PD-120 | Petrolux | N/A | |
| 1979ST-120 | Petrolux | N/A | |
| 1979WL-120 | Petrolux | N/A | |
| 1980BC-120 | Petrolux 100 Watt HPS Open Bottom Ventilated Reflector | N/A | |
| 1980CE-120 | Petrolux 100 Watt HPS Open Bottom Ventilated Reflector | N/A | |
| 1980FP-120 | Petrolux 100 Watt HPS Open Bottom Ventilated Reflector | N/A | |
| 1980PD-120 | Petrolux 100 Watt HPS Open Bottom Ventilated Reflector | N/A | |
| 1980ST-120 | Petrolux 100 Watt HPS Open Bottom Ventilated Reflector | N/A | |
| 1980WL-120 | Petrolux 100 Watt HPS Open Bottom Ventilated Reflector | N/A | |
| 1981BC-120 | Petrolux 100 Watt MV Open Bottom Ventilated Reflector | N/A | |
| 1981CE-120 | Petrolux 100 Watt MV Open Bottom Ventilated Reflector | N/A | |
| 1981FP-120 | Petrolux 100 Watt MV Open Bottom Ventilated Reflector | N/A | |
| 1981PD-120 | Petrolux 100 Watt MV Open Bottom Ventilated Reflector | N/A | |
| 1981ST-120 | Petrolux 100 Watt MV Open Bottom Ventilated Reflector | N/A | |
| 1981WL-120 | Petrolux 100 Watt MV Open Bottom Ventilated Reflector | N/A | |
| 1982BC-120 | Petrolux 250 Watt MV Open Bottom Ventilated Reflector | N/A | |
| 1982CE-120 | Petrolux 250 Watt MV Open Bottom Ventilated Reflector | N/A | |
| 1982FP-120 | Petrolux 250 Watt MV Open Bottom Ventilated Reflector | N/A | |
| 1982PD-120 | Petrolux 250 Watt MV Open Bottom Ventilated Reflector | N/A | |

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| 1982WL-120 | Petrolux 250 Watt MV Open Bottom Ventilated Reflector | N/A | |
| 1983BC-120 | Petrolux 175 Watt MV Open Bottom Ventilated Reflector | N/A | |
| 1983CE-120 | Petrolux 175 Watt MV Open Bottom Ventilated Reflector | N/A | |
| 1983FP-120 | Petrolux 175 Watt MV Open Bottom Ventilated Reflector | N/A | |
| 1983PD-120 | Petrolux 175 Watt MV Open Bottom Ventilated Reflector | N/A | |
| 1983ST-120 | Petrolux 175 Watt MV Open Bottom Ventilated Reflector | N/A | |
| 1983WL-120 | Petrolux 175 Watt MV Open Bottom Ventilated Reflector | N/A | |
| 1987BC-120 | Petrolux 70 Watt HPS Open Bottom Ventilated Reflector | N/A | |
| 1987CE-120 | Petrolux 70 Watt HPS Open Bottom Ventilated Reflector | N/A | |
| 1987FP-120 | Petrolux 70 Watt HPS Open Bottom Ventilated Reflector | N/A | |
| 1987PD-120 | Petrolux 70 Watt HPS Open Bottom Ventilated Reflector | N/A | |
| 1987ST-120 | Petrolux 70 Watt HPS Open Bottom Ventilated Reflector | N/A | |
| 1987WL-120 | Petrolux 70 Watt HPS Open Bottom Ventilated Reflector | N/A | |
| 1988BC-120 | Petrolux 150 Watt 55 Volt HPS Open Bottom Ventilated Reflector | N/A | |
| 1988CE-120 | Petrolux 150 Watt 55 Volt HPS Open Bottom Ventilated Reflector | N/A | |
| 1988FP-120 | Petrolux 150 Watt 55 Volt HPS Open Bottom Ventilated Reflector | N/A | |
| 1988PD-120 | Petrolux 150 Watt 55 Volt HPS Open Bottom Ventilated Reflector | N/A | |
| 1988ST-120 | Petrolux 150 Watt 55 Volt HPS Open Bottom Ventilated Reflector | N/A | |
| 1988WL-120 | Petrolux 150 Watt 55 Volt HPS Open Bottom Ventilated Reflector | N/A | |
| 1989BC-120 | Petrolux 150 Watt 100 Volt HPS Open Bottom Ventilated Reflector | N/A | |
| 1989CE-120 | Petrolux 150 Watt 100 Volt HPS Open Bottom Ventilated Reflector | N/A | |
| 1989FP-120 | Petrolux 150 Watt 100 Volt HPS Open Bottom Ventilated Reflector | N/A | |
| 1989PD-120 | Petrolux 150 Watt 100 Volt HPS Open Bottom Ventilated Reflector | N/A | |
| 1989ST-120 | Petrolux 150 Watt 100 Volt HPS Open Bottom Ventilated Reflector | N/A | |
| 1989WL-120 | Petrolux 150 Watt 100 Volt HPS Open Bottom Ventilated Reflector | N/A | |
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| 304-NS-120 | Bantam Prismpack | Suggest BA17DMH12PU | 86 |
| 306-NS-100-120 | Bantam Prismpack 150 Watt HPS 100 Volt | N/A | |
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| 535 | Reflector Luminaire previously MV vapor | Suggest PGRL400MHB35 | 20 |
| 575 | Prismpack Previously 400 Watt MV Potted Ballast 1.6:1 Spacing | N/A | |
| Reflector Luminaire | | | |
| 585 | Reflector Luminaire previously mv vapor | Suggest PGRL400MHB35 | 20 |
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| 642 | Reflector Luminaire 1000 Watt MV | N/A | |
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| B.155-HPS-120 | Bantam Prismpack | Suggest BA10DHP12PM | 86 |
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| B.156-100-120 | Bantam Prismpack 150 Watt 100 Volt HPS | N/A | |
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| 975NSAC-120 | Bantam PrismaTite 100 Watt HPS SYM Distribution Acrylic Refractor | N/A | |
| 976NSAC-100-120 | Bantam PrismaTite 150 Watt HPS 100 volt SYM Distribution Acrylic Refractor | N/A | |
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| 978NSAC-120 | Bantam PrismaTite 175 Watt Metal Halide SYM Distribution Acrylic Refractor | N/A | |
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| BANT100MV12A682 | Bantam 100 Watt MV | N/A | |
| BANT100MV12A685 | Bantam 100 Watt MV | N/A | |
| BANT100MV12A84C | Bantam 100 Watt MV | N/A | |
| BANT15AHP12A45C | Bantam 150 Watt HPS with Acrylic Refractor | N/A | |
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| BANT15BHP12A84C | Bantam 150 Watt HPS 100 Volt | N/A | |
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| BANT250MV12A521 | Bantam Prismatic 250 Watt MV Long and Narrow Distribution | N/A | |
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| BANT250MV12A84C | Bantam 250 Watt MV | N/A | |
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| F-1563-B-55-120 | Square HID PAL 150 Watt 55 Volt HPS Prism Border Lens | N/A | |
| F-1563-B-MH-120 | Square HID PAL 175 Watt MH Prism Border Lens | N/A | |
| F-1563-C-HPS-120 | Square HID PAL 100 Watt HPS Prism Border Lens | N/A | |
| F-1563-D-HPS-120 | Square HID PAL 70 Watt HPS Prism Border Lens | N/A | |
| F-1563-M-120 | Square HID PAL 100 Watt MV Prism Border Lens | N/A | |
| F-1566-B-100-120 | Square HID PAL 150 Watt 100 Volt HPS Concave Lens | N/A | |
| F-1566-B-120 | Square HID PAL 175 Watt MV Concave Lens | N/A | |
| F-1566-B-55-120 | Square HID PAL 150 Watt 55 Volt HPS Concave Lens | N/A | |
| F-1566-B-MH-120 | Square HID PAL 175 Watt MH Concave Lens | N/A | |
| F-1566-C-HPS-120 | Square HID PAL 100 Watt HPS Concave Lens | N/A | |
| F-1566-D-HPS-120 | Square HID PAL 70 Watt HPS Concave Lens | N/A | |
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| F-1569-B-55-120 | Square HID PAL 150 Watt 55 Volt HPS Flat Lens | N/A | |
| F-1569-B-MH-120 | Square HID PAL 175 Watt MH Flat Lens | N/A | |
| F-1569-C-HPS-120 | Square HID PAL 100 Watt HPS Flat Lens | N/A | |
| F-1569-D-HPS-120 | Square HID PAL 70 Watt HPS Flat Lens | N/A | |
| F-1569-M-120 | Square HID PAL 100 Watt MV Flat Lens | N/A | |
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| LBAY250HP12SQ10 | Lobay | Suggest LY250HP12PSQ10 | 88 |
| LBAY250HP12SQ40 | Lobay 2.0:1 Spacing | N/A | |
| LBAY250HP12SQ60 | Lobay | N/A | |
| LBAY250HP12SQ80 | Lobay | N/A | |
| LBAY250MH12GD10 | Lobay | Suggest LY250MH12PGD10 | 88 |
| LBAY250MH12SQ10 | Lobay | Suggest LY250MH12PSQ10 | 88 |
| LBAY250MH12SQ40 | Lobay 2.0:1 Spacing | N/A | |
| LBAY250MH12SQ60 | Lobay | N/A | |
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| LBAY400HP12SQ60 | Lobay | Suggest LY400HP12PSQ60 | 88 |
| LBAY400HP12SQ80 | Lobay | N/A | |
| LBAY400MH12GD10 | Lobay | N/A | |
| LBAY400MH12SQ40 | Lobay 2.0:1 Spacing | N/A | |
| LBAY400MH12SQ60 | Lobay | N/A | |
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| LY400HP12PNSQ60 | Lobay V | N/A | |
| LY400HP12PNSQ60 | Lobay V | N/A | |
| LY400HP12PNSQ80 | Lobay V | N/A | |
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| R-2102-120 | Multilume 250 Watt MV Recessed Version | N/A | |
| R-2103-120 | Multilume 175 Watt MV Recessed Version | N/A | |
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| R-2105-120-GY | Multilume 175 Watt MH With Tempered Glass Interface Recessed Version | N/A | |
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| S-2105-120-GY | Multilume 175 Watt MH With Tempered Glass Interface Surface Version | N/A | |
| S-2106-120 | Multilume 250 Watt MH Surface Version | N/A | |
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Terms and Conditions

Prices

All prices are subject to change without notice and are F.O.B. shipping point.

Acceptance of Orders

No order placed with Holophane shall be considered accepted until officially acknowledged in writing by Holophane. The terms and conditions stated in Holophane's written order acknowledgement shall constitute the entire sales agreement between Holophane and the purchaser, and any contrary or additional terms or conditions submitted by the purchaser shall be deemed to be of no effect unless specifically acknowledged in writing by Holophane at the time of order acceptance. No custom, practice, or course of prior dealings between the parties and no usage of trade shall modify or otherwise affect the terms and conditions of Holophane's written order acknowledgement. Holophane reserves the right to select its own customers and to reject any order. All orders and shipments are subject to the approval of Holophane's Credit Department.

Terms of Payment

Invoice payment terms are Net 30 days from the Invoice Date.

A service charge of 1½% per month (or if such rate exceeds the maximum lawful rate, then such maximum lawful rate) shall be assessed on all past due payments and shall be payable on demand.

Freight

FREIGHT IS PREPAID AND ALLOWED ON ALL SHIPMENTS OF PRODUCTS FOR ORDERS OVER \$3,000.00 (\$750.00 FOR REPLACEMENT BALLAST KITS) TO ALL POINTS IN THE CONTINENTAL UNITED STATES AND CANADA. All freight charges are the responsibility of the purchaser. Holophane reserves the right to use its discretion in routing all shipments; however, special instructions will be followed if the purchaser will assume any additional transportation charges. Cartage or accessorial charges and detention or demurrage charges are not allowed.

All goods are shipped F.O.B. shipping point at the purchaser's risk. Holophane's responsibility for safe delivery ceases when the goods have been turned over to the transportation company. All claims for damage or shortage in transit are to be handled by the purchaser. Shipments should be inspected by the purchaser immediately upon receipt for transportation loss or damage and any necessary claim entered promptly with the carrier.

Delivery

Holophane shall not be liable for any delay or default in delivering products where occasioned by any cause of any kind or extent beyond the control of Holophane, including without limitation armed conflict or economic dislocation resulting therefrom; embargoes; shortages of labor, raw materials, fuel, energy, production facilities or transportation; labor difficulties; civil disorders of any kind; action of civil or military authorities (including priorities and allocations); fires; floods; and accidents. No liability shall be sustained by Holophane by reason of its not filling any order or portion thereof due to any of these or similar occurrences.

Packing

No charge will be made for domestic packing. Some products are shipped palletized for the purchaser's convenience. Where it is impractical for the purchaser to handle heavy pallets, the purchaser should specify "No Pallet" on the order.

Taxes

The purchaser shall pay when due all sales, use, gross receipts, excise and other taxes (together with interest and penalties if any, thereon) now or hereafter imposed by any governmental agency upon Holophane, the purchaser, the products or the use thereof.

Proper Product Application

Products should be stored, installed, used and maintained in accordance with applicable Holophane instructions and specifications. Copies of instructions and specifications can be obtained from: Holophane Customer Service Department,

PO Box 3004, Newark, Ohio 43058-3004. Holophane is not responsible, under its limited warranty described below or otherwise, for any product modified or altered without prior written authorization from Holophane.

Limited Warranty

HID Components. Subject to all limitations set forth below, Holophane warrants to the purchaser that Holophane factory-installed electrical system, consisting of a core and coil ballast, starting aid (where required), capacitor, and wiring inside its HID lighting fixtures will be free from defects in material and workmanship for six (6) years from the date of manufacture.

Other Products. Subject to all limitations set forth below, Holophane warrants to the purchaser that Holophane products other than HID components, which are covered under the preceding paragraph, will be free from defects in material and workmanship for two (2) years from the date of manufacture. Emergency lighting products - See HL-3151.

Notwithstanding the preceding paragraphs, Holophane makes no warranties regarding purchased poles and posts; lamps; fluorescent ballasts; purchased HID electrical systems, consisting of a core and coil ballast, starting aid (where required), capacitor and wiring; photoelectric controls. All purchased poles and posts, lamps, fluorescent ballasts, purchased HID electrical systems, and photoelectric controls shipped by Holophane are subject to the applicable warranty (if any) of the company that manufactures such products. For purposes of this limited warranty, the term "purchaser" means a purchaser for resale or for use in business. Holophane makes no warranties to those defined as consumers in the Magnuson-Moss Federal Trade Commission Improvement Act.

If any of Holophane's products fail to meet the applicable warranty described above Holophane shall correct the defect by shipping to the purchaser either (at Holophane's option) the necessary repaired or replacement parts F.O.B. Holophane factory with freight allowed to destination within the Continental United States, Alaska, and Hawaii; provided that the purchaser promptly gives Holophane written notice of any product defect within thirty (30) days after discovery of the defect and, if requested by Holophane, promptly arranges to make the product available to Holophane for investigation and correction. NO PRODUCTS MAY BE RETURNED UNTIL THE PURCHASER HAS CONTACTED HOLOPHANE AND RECEIVED A RETURN AUTHORIZATION. The warranty set forth in this section is VOID IF the products have not been properly stored, installed, used or maintained or if the purchaser fails to comply with any applicable recommendations of Holophane. Holophane shall not be responsible for any failure of its products which is a result of external causes; natural catastrophe; power surges or failure; improper power supply; fault or negligence of the purchaser or user; improper or unauthorized use, installation, handling, storage, alteration or service; or any cause other than a defect in the material or workmanship of the product itself.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES. EXCEPT AS SPECIFICALLY SET FORTH ABOVE, HOLOPHANE MAKES NO REPRESENTATIONS OR WARRANTIES, AND EXPRESSLY DISCLAIMS ALL REPRESENTATIONS AND WARRANTIES, EXPRESS OR IMPLIED, RELATING DIRECTLY OR INDIRECTLY TO ANY PRODUCTS MANUFACTURED OR SOLD BY HOLOPHANE, WHETHER ORAL, WRITTEN, OR ARISING BY COURSE OF DEALING OR USAGE OF TRADE INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS LIMITED WARRANTY MAY BE MODIFIED OR AMENDED ONLY BY A WRITTEN INSTRUMENT SIGNED BY A DULY AUTHORIZED REPRESENTATIVE OF HOLOPHANE. WITHOUT AN EXPRESS, WRITTEN AUTHORIZATION FROM HOLOPHANE, NO DISTRIBUTOR OR SUPPLIER OF HOLOPHANE PRODUCTS HAS THE AUTHORITY TO MODIFY OR AMEND THIS LIMITED WARRANTY

Limitation of Liability

The foregoing limited warranty provides the purchaser's sole and exclusive remedy relating to Holophane's products. The total liability of Holophane on any and all claims of any kind, whether in contract, warranty, tort (including negligence), strict liability or otherwise, arising out of or in connection with,

or resulting from, Holophane performance or breach of the foregoing limited warranty or from Holophane's sale, delivery, resale, repair, or replacement or use of any products or the furnishing of any services, shall in no event exceed the purchase price allocable to the specific product which gives rise to the claim, and any and all such liability shall terminate upon the expiration of the limited warranty specified above. If Holophane furnishes advice or other assistance which concerns any product, or any system or equipment in which any product may be installed, the furnishing of such advice or assistance shall not subject Holophane to any liability, whether in contract, warranty, tort (including negligence), or otherwise.

IN NO EVENT SHALL HOLOPHANE BE LIABLE FOR ANY INDIRECT SPECIAL, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY, OR PUNITIVE DAMAGES, EVEN IF INFORMED OF THE POSSIBILITY OF SUCH DAMAGES, WHETHER AS A RESULT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR ANY OTHER THEORY, INCLUDING WITHOUT LIMITATION LABOR CHARGES, LOSS OF TIME, PROFITS OR REVENUES, LACK OR LOSS OF PRODUCTIVITY, INTEREST CHARGES OR COST OF CAPITAL, COST OF SUBSTITUTE EQUIPMENT, SYSTEMS SERVICES OR PRODUCTS COST OF PURCHASED OR REPLACEMENT POWER, DOWNTIME COSTS, DAMAGE TO OR LOSS OF USE OF PRODUCTS OR ANY RELATED EQUIPMENT, SYSTEM OR FACILITY, OR ANY PROPERTY TO WHICH ANY PRODUCT IS AFFIXED, OR ANY INCONVENIENCE ARISING OUT OF ANY BREACH OF THE FOREGOING LIMITED WARRANTY OR OBLIGATIONS UNDER SUCH LIMITED WARRANTY

Holophane reserves the right to change or improve the design of any of its products without assuming any obligation to modify any product previously manufactured.

Return Goods

Requests to return materials must be made within four (4) months from date of shipment. No products will be accepted for return unless in original packages and accompanied by "return authorization number" which can be obtained only from Holophane's Customer Service Department, Newark, Ohio.

Return Shipment

Shipments must be made F.O.B. Holophane's factory as specified on Holophane's return authorization form. For products accepted for return, a credit will be issued at the prices prevailing at the time of shipment or at the time of return, whichever is lower, from which will be deducted are freight charges previously allowed, and a minimum service charge of 40% of the invoice price to cover part of the cost of handling, unpacking, repacking and placing the products in salable condition. The actual service charge will be determined from the condition of the units as received at Holophane's factory. Such charge is payable by the purchaser on demand. Products specifically modified to customer requirements are noncancelable after release and are nonreturnable. Products returned for errors in shipments will be accepted at full credit and without service charge. Transportation must be prepaid on all returned merchandise.

Cancellations

If the purchaser, after acceptance of an order by Holophane, desires to cancel the order, and Holophane accepts such cancellation in writing, the cancellation charge shall be 10% of the total price of the order, or, if greater, the actual costs incurred by Holophane with respect to the order as of the time of cancellation. Such charges are payable by the purchaser on demand.

Construction of Agreements

These terms and conditions and all agreements between Holophane and the purchaser shall be governed by and construed in accordance with the laws of Ohio, including without limitation the Uniform Commercial Code as adopted in Ohio. As used herein, the term "Holophane" shall mean Holophane, a division of Acuity Brands Lighting, Inc., a Delaware corporation.

The prices and data in this schedule are for the convenience of users, and every effort is made to avoid error, but Holophane cannot be held responsible for any errors or omissions.

Acrylic Environmental Compatibility

Certain chemicals that may exist in end-user locations release airborne contaminants that can impact the integrity and safety of key fixture components that contain acrylic material. Immediate damage may occur such as crazing, cracking, permeation losses and mechanical failure. Products with visually noticeable deterioration have diminished integrity and must be replaced immediately with a more suitable product for the application.

This table identifies the most common chemicals and is not intended to be all-inclusive. Exposure to compounds identified as "Not Acceptable" will void all warranties associated with the product. Acrylic components should not be used in areas where these chemicals are used and where these chemicals become mists or airborne vapors. Ensure that chemical interactions are considered when selecting fixtures. For additional information please consult an authorized factory representative.

NOT ACCEPTABLE

| | | |
|----------------------------|-----------------------------|----------------------------------|
| Acetaldehyde, 100% | Coffee | Methylamine |
| Acetates | Cosmoline Removers | Methylene Dichloride |
| Acetic Acid, Glacial, 100% | Cresol | Mineral Oil |
| Acetic Anhydride | Cyclohexane | Motor Fuel Mixture, with Benzene |
| Acetone | Cyclohexanone | Nail Polish |
| Acetonitrile | Cyclohexene | Naphtha |
| Acetophenone | Detergent Solution | N-Butyric Acid, 100% |
| Acrylic Paints | Diacetone Alcohol | Nitric Acid, 40% |
| Alcohol, Allyl | Diamyl Phthalate | Nitric Acid, 70% |
| Alcohol, Amyl | Dibutyl Sebacate | Nitrobenzene |
| Alcohol, Benzyl | Diethyl Ether | N-Octane |
| Alcohol, Ethyl, 100% | Dimethyl Formamide | Paint Removers |
| Alcohol, Ethyl, 50% | Diocetyl Sebacate | Paint Thinner |
| Alcohol, Isopropyl, 100% | Dioxane | Perchloroethylene |
| Alcohol, Methyl, 10% | Ether | Petroleum Ether (100-120C) |
| Alcohol, Methyl, 100% | Ethyl Acetate | Phenois |
| Alcohol, Methyl, 50% | Ethyl Alcohol, Concentrated | Phenol, Aqueous, 5% |
| Alcohol, N-Butyl | Ethyl Bromide | Phosphoric Acid, 95% @ 20C |
| Amyl Acetate | Ethyl Butyrate | Phthalates |
| Aniline | Ethylene Bromide | Pyridine |
| Aviation Fuel (100 Octane) | Ethylene Dibromide | Soap Solution |
| Bathroom Cleaners | Ethylene Oxide (Moist) | Sodium Carbonate, 2% |
| Benzaldehyde | Glass Cleaners | Sodium Carbonate, 20% |
| Benzene | Glycol | Sodium Phosphate |
| Benzoic Aldehyde | Hydrogen Peroxide, 28% | Sulfur Dioxide, Liquid |
| Brake Fluid | Hydrogen Peroxide, 3% | Sulfuric Acid, 98% |
| Bromine Gas | Iron Perchloride | Sulfurous Acid, Concentrated |
| Butanol | Isocane | Tea |
| Butraldehyde | Isopropyl Alcohol | Tincture of Iodine, 5% |
| Butyl Acetyl Ricinoleate | Lacquer Thinner | Toluene |
| Butyl Stearate | Lactic Acid Butyl Ester | Transformer Oil |
| Carbolic Acid | Mercury Chloride | Trichloroethane |
| Carbon Disulfide | Meta-Cresol | Trichloroacetic Acid |
| Carbon Disulfide | Methanol, 15% | Trichloroethylene |
| Cellulose Paints | Methanol, Concentrated | Turpentine |
| Chlorinated Hydrocarbons | Methyl Benzoate | Unleaded Gasoline |
| Chlorinated Solvents | Methyl Chloride | Vegetable Oil |
| Chlorine Gas | Methyl Cycohexanol | Xylene |
| Chlorophenol | Methyl Ethyl Ketone | |
| Chromic Acid, 40% | Methyl Naphthalene | |
| Cloves | Methyl Salicylate | |

Acrylic Environmental Compatibility

ACCEPTABLE

| | | |
|-------------------------------|-------------------------------------|--------------------------|
| 2-Ethylhexyl Sebacate | Heptane | Potassium Permanganate |
| Acetic Acid 5% | Hexane | Potassium Sulfite |
| Ammonia-based Cleaners | Hydrochloric Acid, 38% | Power Steering Fluid |
| Ammonia Gas | Kerosene | Propylene |
| Ammonium Hydroxide, 28% | Lactic Acid | Pure-oil Paints |
| Ammonium Nitrate | Metal Carbonates | Silicone Oil |
| Ammonium Phosphate | Metal Chlorides | Silver Nitrate |
| Aniseed, Bay Leaves, Nutmeg | Metal Sulfates | Soap Suds |
| Anti-freeze | Methane Gas | Soda |
| Beer | Milk | Sodium Chloride, 10% |
| Bleaching Power Paste | Milk, Chocolate | Sodium Cyanide |
| Bleaching Powder Solution, 2% | Motor Fuel Mixture, without Benzene | Sodium Fluoride |
| Calcium Hypochlorite | Motor Oil | Sodium Hydroxide, 60% |
| Car Wash Detergent | Natural Gas | Sodium Nitrate |
| Carbon Dioxide Gas | Nitric Acid, 10% | Sodium Thiosulphate, 40% |
| Carbon Monoxide Gas | Nitrogen Dioxide Gas | Stearic Acid |
| Caustic Potash | Nitrogen Monoxide Gas | Sulfur Dioxide, Dry Gas |
| Chlorine Based Cleaners | Olefinic Carboxylic Acids | Sulfuric Acid, 30% |
| Chlorine, Aqueous, 2% | Oleic Acid | Sulfurous Acid, 5% |
| Citric Acid, 10% | Olive Oil | Tararic Acid, 50% |
| Coffee | Oxalic Acid, 100% | Transmission Fluid |
| Cooking Oil | Oxygen Gas | Tricresyl Phosphate |
| Cottonseed Oil | Ozone Gas | Triethyl Amine |
| Diethylene Glycol | Paraffin, Medicinal | Vinegar |
| Epoxy Adhesives | Pepper, Cinnamon, Onions | Water, Mineral Water |
| Ethyl Alcohol, 15% | Phosphoric Acid, 10% @ 20C | Wax Polish |
| Ethylene Glycol E | Photographic Baths | White Spirit |
| Ethylene Oxide (Dry) | Polishing Compounds | Whitewash |
| Ferric Chloride, Aqueous, 10% | Potassium Chlorate | Wine |
| Formaldehyde, Aqueous, 40% | Potassium Cyanide | |
| Fruit Juice | Potassium Dichromate, 10% | |
| Glycerol | Potassium Hydroxide @ 20C | |

The statements, technical information and recommendations obtained herein are believed to be accurate as of June 1, 2009. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Acuity Brands Lighting expressly disclaims any and all liability. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The user should thoroughly test any application before commercialization.



ARCHITECTURAL
INDOOR



INDUSTRIAL



FLUORESCENT



EMERGENCY



HOLOPHANE[®]
LEADER IN LIGHTING SOLUTIONS

An **Acuity Brands** Company

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Keynes MK1 1JG, England

Holophane, S.A. de C.V., Apartado Postal No.
986, Naucalpan de Juarez, 53000 Edo. de Mexico

Contact your local Holophane factory sales representative for application assistance, and computer-aided design and cost studies. For information on other Holophane products and systems, call the Inside Sales Service Department at 740-345-9631. In Canada call 905-707-5830 or fax 905-707-5695.

Limited Warranty and Limitation of Liability

Refer to the Holophane limited material warranty and limitation of liability on these products, which are published in the "Terms and Conditions" section of the current buyers guide, and is available from your local Holophane factory sales representative.

Visit our web site at www.holophane.com

Contact your local sales rep for the most current option and accessory compatibility.

Luminaires may utilize fluorescent or high intensity discharge sources that contain small amounts of mercury. New disposal labeling for these lamps includes the mercury identifier shown on the right to indicate that the lamp contains mercury and should be disposed of in accordance with local requirements. Information sources regarding lamp recycling and disposal are included on the packaging of most mercury-containing lamps and also can be located at www.lamprecycle.org.

