

OUTDOOR BUYERS GUIDE



DECORATIVE



SPECIALTY
LANDSCAPE



DESIGNER



INFRASTRUCTURE

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

Contents:

HOLOPHANE®

INTRODUCTION



- 2-3** Holophane: Who we are and what we do
- 4-5** Holophane Outdoor Lighting

DECORATIVE



- 6-7** Introduction
- 8-9** Product Selection Matrix

10-99

Historical

- 10-11 GranVille Premier
- 12-13 GranVille Classic
- 14-15 GranVille Mini
- 16-17 GranVille Micro
- 18-19 GranVille Mini Posts
- 20-21 Residential Posts and Bracket
- 22-23 Washington Series
- 24-25 Acrylic Washington PostLite
GV Series
- 26-27 Acrylic Washington Series
- 28-29 Madeira Series
- 30-31 Octagonal Lantern Series
- 32-33 Victorian Gas Light Series
- 34-37 Tear Drop Series
- 38-39 Pedestrian Tear Drop Series
- 40-41 Spheres
- 42-43 RSL-350
- 44-45 Harp Series
- 46-47 Milwaukee Lantern
- 48-55 Utility Series
- 56-63 Bollards
- 64-65 SiteLink TracPoles
- 66-67 SiteLink Bases
- 68-69 SiteLink Fluted Posts
- 66-67 SiteLink TracBollards
- 72-87 Decorative Posts
- 88-91 Decorative Arms and Brackets
- 92-101 Decorative Accessories
- 102-103 Decorative Roadway Arms
- 104-109 Poles
- 110 -111 Decorative Clamshell Bases



SPECIALTY LANDSCAPE



- 112-113** Introduction
- 114-115** Product Selection Matrix

116-151

Specialty Landscape

- 116-117 Bollards
- 118-119 Well Lighting
- 120-129 Water and Fountain
- 130-135 Compact Flood
- 136-141 High Performance Flood
- 142-143 Floodlight Pole Mounting Options
- 144-147 In-Grade
- 148-151 LED Trailblazer



DESIGNER SERIES



- 152-153** Introduction
- 154-155** Product Selection Matrix

156-169

Contemporary

- 156-157 GlasWerks II Series
- 158-159 GlasWerks II Cast Aluminum Posts
- 160-161 GlasWerks II Hallbrook Poles
- 162-165 MetroVue
- 166-167 Pechina
- 168-169 PoleStar II

170-175

Classic

- 170-171 MirroStar
- 172-173 Somerset
- 174-175 Crestwood



INFRASTRUCTURE



- 176-177** Introduction
- 178-179** Product Selection Matrix

180-199 Infrastructure

- 180-181 High Mast Series
- 182-185 Lowering Devices
- 186-187 Tunnel Predator
- 188-189 RSL-200
- 190-191 Vector
- 192-193 Mongoose
- 194-198 Bracket and Mounting Hardware
- 199 AASHTO Wind Velocity Chart



200-203 Floodlighting

- 200-201 Predator
- 202-203 Prismbeam II



204-205 Sign Lighting

- 204-205 Panel-Vue and Sign-Vue II

206-211 Pole, Wall and Canopy

- 206-207 Module 600
- 208-209 Parkpak
- 210-211 Wallpack IV



212-213 Specialty

- 212-213 Outdoor Substation

POLE SELECTION GUIDE

214-245 Guide

PRODUCT INFORMATION GUIDE



- 246-273 Ballast Information Guide
- 274-286 Replacement Parts
- 287-307 Cross Reference Index
- 303-308 Catalog Number Prefix Index

TERMS AND CONDITIONS

309 Terms and Conditions

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 exterior lighting applications.



Municipal



Historical



Walkway



Residential



Ports



Roadway

What we do:

HOLOPHANE®

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

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 outdoor 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 outdoor 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

Outdoor...

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 outdoor lighting needs with many new methods of lighting the outdoor environment.

All Holophane outdoor luminaires are optically and mechanically engineered with a specific purpose to fulfill the needs of our vast customer base. Our priority is to provide the lighting community with luminaires that provide results that are unmatched by anyone in the industry.

In all settings, Holophane strives to design, develop, and manufacture lighting systems that create a warm, pleasant, and exceptionally well-illuminated environment that promotes safety, security, and commerce.

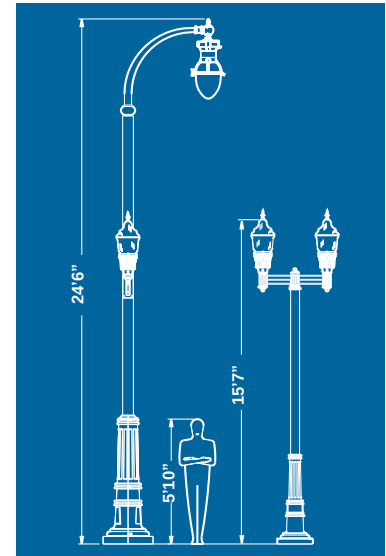


Holophane Outdoor Lighting

The Importance of Scale

Scale of outdoor lighting equipment is a critical element in determining the visual appeal and ultimate aesthetic success of a streetscape project. The most critical attribute of scale is the luminaire mounting height. Appropriate mounting height, which is directly tied to the system optical performance, in most cases can be determined by desired lighting results and the surrounding architecture within a proposed installation. In addition, items such as arm length, pole/base diameter, and luminaire arrangement/size can visually impact scale. Ultimately, as related to mounting height, an appropriate balance should be placed between the luminaire performance and aesthetic appeal of the light pole assembly.

Although appropriate scale can be subjective, here are a few general rules of thumb for outdoor lighting installations:



Pedestrian-Scale:

Luminaire mounting heights between 8-15'

Pedestrian-scale light pole assemblies are used on urban sidewalks, town or village streets (2-3 story buildings), residential neighborhoods, campuses, boulevards, and parking areas.



Urban-Scale:

Luminaire mounting heights between 15-25'

Urban-scale light pole assemblies are typically recommended for large-scale urban boulevards, parking areas, and multiple lane city streets.



Roadway-Scale:

Luminaire mounting heights 25' and higher

Roadway installations are common for lighting vehicular urban traffic lanes and boulevards, ports, highways, and events.

Decorative

The Historical product offering is a vast selection of products providing you with lighting solutions for any project that calls for the theme of yesteryear. It includes a variety of luminaires that have a timeless ornamental style and a traditional aesthetic appeal.

- **Downtown renovation**
- **Traditional, retail center**
- **Building restoration**
- **University beautification**
- **Nostalgic sports complex**

TYPICAL APPLICATIONS:

City Streets

Parking Lots

Campuses

Commercial Developments

Historic Districts

Village Squares

Residential Areas

Parks

Walkways



Building Restoration: **Old State Capitol; Frankfort, Kentucky**

Serving as the capital of the Commonwealth of Kentucky from 1830 until 1910, the building is recognized as a masterpiece of nineteenth-century American architecture.

After the structure underwent an extensive restoration to return it to its original splendor, state officials turned their attention to improving the exterior illumination of this national historic landmark. The Claremont lighting fixture was chosen for its historic replication of the original 1850s lantern-style luminaire used, as well as meeting the performance and maintenance criteria.

Decorative

Historical

Lighting solutions...

A Functional Link to the Past

Aesthetics are typically a top priority in many landscape designs. When the designer can enhance the appearance of a space while providing functionality, the project is an even greater success. Incorporating historically-styled luminaires into a streetscape design can help create a certain ambience while complementing the architecture of surrounding structures. Many designers are using historically-styled lighting as a design element in public spaces while supplying the illumination needed to create a safe and secure environment after dark.

Combining Old and New

The diversity of fixtures available gives designers the option to replicate almost any period of time or complement any architectural style. Although acorn-shaped luminaires have proven popular because of their classic styling, designers are discovering the octagonal shapes of the 1920s, the simplistic lines reminiscent of the Colonial period, and the sentimental spheres reflecting early European influences lend daytime appeal to a landscape while providing beauty and functionality at night.

Designers may incorporate almost any embellishment to give a custom look to the lighting system—from decorative caps and finials to medallions, ribs and ornamental bands. Holophane also offers a full line of decorative poles, available in various heights to match the scale of surrounding buildings. Options such as banner arms, flag pole holders, custom logos and signage allow designers to adapt the pole to the specific needs of the application or geographic location..



Nostalgic Sports Complex:

Comerica Park; Detroit Tigers Stadium

Since baseball is as traditional as apple pie, the sport has always tended to create a sense of nostalgia among Americans. The team owners wanted to build on that nostalgia by creating a structure reminiscent of the original Briggs Stadium, erected in the 1920s.

Because of the park's downtown locale and the number of people expected to flock to each game, safety became a primary issue for facility designers. "They wanted to create a sense of security so that people would feel comfortable getting out of their cars and walking to the stadium, then returning to their automobiles after dark," related Keith Irtenkauf, lighting designer with Illuminating Concepts, Ltd., Farmington Hills, Michigan, and project manager for Comerica Park. The fixture chosen was Esplanade, which replicates the earlier fixture almost exactly.



Historical University Beautification:

Auburn University

Aesthetics were a primary reason for choice. A portion of the campus was constructed prior to the Civil War, with Samford Hall first built in 1840. After the building burned in the late 1800s, it was reconstructed on the same site, which is part of the oldest and most historic section of the campus.

The GranVille units helped to re-create the look of this bygone era. Yet, with their attractive glass globes, they will blend well with structures and elements added to the park in the future, said Carl Gagliano, electrical engineer, facilities division, Auburn University.

Decorative

HISTORICAL

PRISMATIC ACORNS

GLASS



GranVille
Premier



GranVille
Classic



Syracuse
GranVille



GranVille Mini



GranVille Micro



Washington
PostLite



State Street



Enhanced
Washington

TEAR DROP SERIES



Esplanade



Memphis



Boardwalk



Port Huron



Crystalite



Starshell



Atlanta



Grand Ledge

HARP SERIES



Milwaukee



Liberty

MILWAUKEE LANTERN



Milwaukee Lantern

UTILITY SERIES



GranVille



Washington PostLite
(glass)



Washington
PostLite (acrylic)

BOLLARDS



Wadsworth



Princeton



Chesapeake

DECORATIVE POSTS



Winter Park



Charleston



Chesapeake



North
Yorkshire

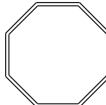
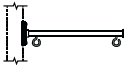
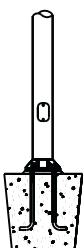
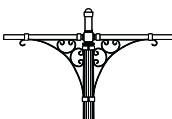


Salem



Wadsworth

Product Selection Matrix

ACRYLIC		ORNAMENTAL	OCTAGONAL LANTERNS		VICTORIAN GAS LIGHT							
												
Washington PostLite GV Series		Washington PostLite Series	Madeira		Arlington	Jefferson	Dorchester					
PEDESTRIAN TEAR DROP SERIES						SPHERES	RP SERIES					
												
Esplanade		Crystalite	Memphis	Atlanta	Clear	Prismatic	RSL-350					
												
Prismasphere		Arlington		Jefferson		Postop		Dorchester		Minuteman		
SITELINK			DECORATIVE ACCESSORIES				POLES	BASES				
												
Nautical Rope		North Yorkshire	Contemporary	Octagonal Traffic Sign	Street Sign	Banner Arm with Two Eyebolts	Round Tapered Aluminum	Clamshell Base				
												
Roadway Arm			Mailbox		Loveland Crossarm							

HOLOPHANE®

PRISMATIC GLASS ACORNS GranVille® Premier

GVP

Designed for superior optical control and ease of installation and maintenance, the GranVille Premier incorporates a precision glass optical system for unparalleled performance and beauty. The GranVille Premier takes optical performance to a new level by incorporating an integral ISD SuperGlass® reflector improving the downward lighting component which increases the amount of light on the roadway, maximizing pole spacing, and reducing the cost of ownership for the system. The model incorporates tool-less entry, a modular "utility" ballast module, internal twist-off photocontrol, integral terminal block, and an internal relamping module that simplifies installation and maintenance.

FEATURES:

- Permanent, durable borosilicate glass
- Prismatic light control
- ISD SuperGlass® technology
- Asymmetric and symmetric distributions
- IES Cutoff Distributions
- Integral relamp assembly
- Modular "Utility" ballast assembly
- Tool-less maintenance
- IP 66 optical assembly

Example: GVP M17 MA M B 6 R S B C

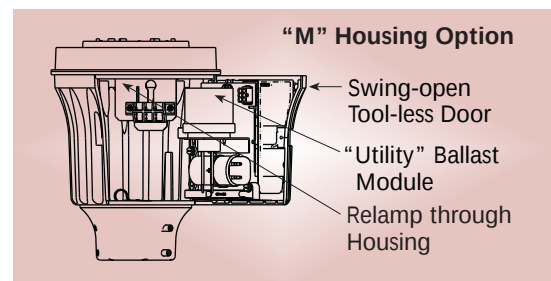


How to Construct a Catalog Number

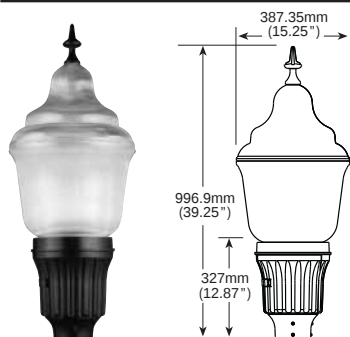
GVP	M17	MA	M	B
1	2	3	4	5
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	HOUSING	COLOR
GVP GranVille Premier	HIGH PRESSURE SODIUM Medium Base H50 ¹ 50W HPS H70 70W HPS H10 100W HPS H15 150W/55V HPS Mogul Base 50H ¹ 50W HPS 70H 70W HPS 10H 100W HPS 15H 150W/55V HPS METAL HALIDE Medium Base M70 ² 70W MH M10 ² 100W MH M15 ² 150W MH M17 175W MH Mogul Base 17M 175W MH 25M 250W MH INCANDESCENT 120 200W Inc COMPACT FLUORESCENT 42F 42W CFL 57F 57W CFL 70F 70W CFL INDUCTION 55Q 55W QL 85Q 85W QL	12 120V, UL/CUL 20 208V 24 240V 27 277V, UL/CUL 34 347V, CUL 48 480V 08 ¹ 208V, CUL 40 ¹ 240V, CUL Multi-tap, factory wired MA 120V only MB 208V only MC 240V only MD 277V only	M Modern Fluted L Leaf  	A As Specified B Black N Green Z Bronze

1 Not available with M70, M10, M15, 42F, 57F, 70F, 55Q, 85Q and 120

2 Not available with 480V



GVP | GranVille Premier



Maximum Weight: 29 kg. (64 lbs.)
Maximum EPA: 1.38
Slipfitter for 3" Tenon



The cutoff optical design utilizes a precision segmented Miro® 4 reflector design to control up-light and a bottom prismatic glass refractor to provide a very uniform distribution pattern

Miro® 4 is a Registered Trademark of Alanod



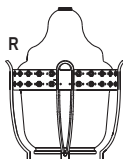
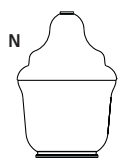
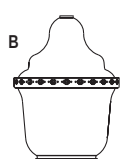
DECORATIVE

HISTORICAL

Prismatic Glass Acorns

GranVille®
Premier



6	R	S	B	C
6	7	8	9	10
OPTICS	TRIM	FINIAL	TRIM FINISH	OPTIONS AND ACCESSORIES
3 Asymmetric 5 Symmetric 6 Asymmetric, with Lunar Optics® 8 Symmetric, with Lunar Optics®	R Ribs and Band N No Trim B Decorative Band   	<u>Painted</u> <u>Cast Aluminum</u> B Ball E Eagle F Flower P Pawn R Cross S Standard <u>Other</u> C Clear Acrylic, 3" N None  Ball  Eagle  Flower  Pawn  Cross  Standard  Clear	A As Specified B Black G Gold N Green Z Bronze U No Trim Necessary	See below C 

11 Options and Accessories

NEMA050HP	NEMA Label 50 HPS
NEMA070HP	NEMA Label 70 HPS
NEMA100HP	NEMA Label 100 HPS
NEMA150HP	NEMA Label 150 HPS
NEMA070MH	NEMA Label 70 MH
NEMA100MH	NEMA Label 100 MH
NEMA150MH	NEMA Label 150 MH
NEMA175MH	NEMA Label 175 MH
<u>DTL Twist-off Photocontrols</u>	
PCTWSTL120 ¹	120V
PCTWSTL12202427 ¹	120-277V
PCTWSTL480 ¹	480V
PCTWSTSHRTCAP ²	Shorting Cap
H	NEMA Twist-off Photocontrol Receptacle
T	NEMA Twist-off Photocontrol Receptacle and Protected Starter
P	Protected Starter for HPS Units
S	Orient Door with Street
C	Full Cover
LEADSXFT10GA ³	Prewired Leads, X=Length
LAMP	Appropriate Lamp Shipped
IG-5 ⁴	Plug-in Replacement Starter for HPS Units
IG-6 ⁴	Plug-in Replacement Protected Starter for HPS Units
IG-7 ⁴	Plug-in Replacement Starter for Kit 70DMH, 10DMH and 15DMH Units
GVPHOUSE90	House Side Shield (90 degrees)
GVPHOUSE12	House Side Shield (120 degrees)
GVPHOUSE18	House Side Shield (180 degrees)

¹ Not available with shorting cap, must be used with option "H" or "T"

² Not available with photocontrol, must be used with option "H" or "T"

³ For length in feet insert "1.5", "3", "10", "20", "25" or "30" for "X"

⁴ Not available for voltage "08" or "40"

PRISMATIC GLASS ACORNS GranVille® Classic

GV | SY

FEATURES:

- Pedestrian-scale
- Permanent, durable borosilicate glass
- Prismatic light control
- Four lighting distributions
- Lunar Optics® option (IESNA Cutoff)
- Six decorative housing choices
- Decorative trim variety

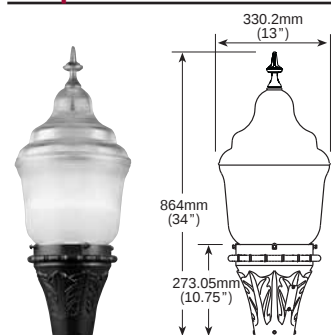
Example: GV 050HP 12 S B 3 N C B F1



How to Construct a Catalog Number

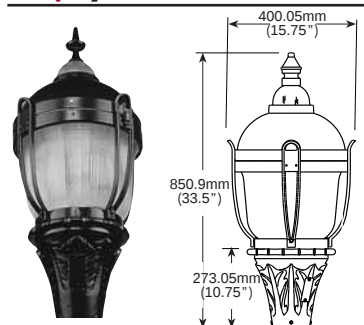
GV	050HP	12	S	B																																																										
1	2	3	4	5																																																										
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	HOUSING	COLOR																																																										
GV GranVille Classic SY Syracuse	<table><tr><td><u>Mogul Base</u></td><td><u>Medium Base</u></td></tr><tr><td>NA</td><td>35DHP¹</td></tr><tr><td>050HP²</td><td>50DHP²</td></tr><tr><td>070HP</td><td>70DHP</td></tr><tr><td>100HP</td><td>10DHP</td></tr><tr><td>15AHP</td><td>15DHP</td></tr><tr><td>NA</td><td>70DMH^{3,4}</td></tr><tr><td>NA</td><td>10DMH^{3,4}</td></tr><tr><td>NA</td><td>15DMH⁴</td></tr><tr><td>175MH</td><td>17DMH</td></tr><tr><td>NA</td><td>20DIN¹</td></tr></table>	<u>Mogul Base</u>	<u>Medium Base</u>	NA	35DHP ¹	050HP ²	50DHP ²	070HP	70DHP	100HP	10DHP	15AHP	15DHP	NA	70DMH ^{3,4}	NA	10DMH ^{3,4}	NA	15DMH ⁴	175MH	17DMH	NA	20DIN ¹	<table><tr><td>12</td><td>120V</td></tr><tr><td>20</td><td>208V</td></tr><tr><td>24</td><td>240V</td></tr><tr><td>27</td><td>277V</td></tr><tr><td>34</td><td>347V</td></tr><tr><td>48</td><td>480V</td></tr><tr><td>08¹</td><td>208V</td></tr><tr><td>40¹</td><td>240V</td></tr><tr><td>MT</td><td>Multi-tap</td></tr></table> 1 Isolated secondary, CUL listed	12	120V	20	208V	24	240V	27	277V	34	347V	48	480V	08 ¹	208V	40 ¹	240V	MT	Multi-tap	<table><tr><td>S¹</td><td>Simple</td></tr><tr><td>L¹</td><td>Leaf</td></tr><tr><td>A²</td><td>Arcadian</td></tr><tr><td>F²</td><td>Fluted</td></tr><tr><td>C²</td><td>Convex Octagonal</td></tr></table> 1 Casting for 3" Tenon 2 Casting for 7" Capital	S ¹	Simple	L ¹	Leaf	A ²	Arcadian	F ²	Fluted	C ²	Convex Octagonal	<table><tr><td>A</td><td>As Specified</td></tr><tr><td>B</td><td>Black</td></tr><tr><td>N</td><td>Green</td></tr><tr><td>Z</td><td>Bronze</td></tr></table>	A	As Specified	B	Black	N	Green	Z	Bronze
<u>Mogul Base</u>	<u>Medium Base</u>																																																													
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15AHP	15DHP																																																													
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48	480V																																																													
08 ¹	208V																																																													
40 ¹	240V																																																													
MT	Multi-tap																																																													
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L ¹	Leaf																																																													
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GV | GranVille Classic

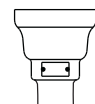


Maximum Weight: 21 kg. (47 lbs.)
Maximum EPA: 1.26
Slipfitter for 3" Tenon

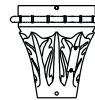
SY | Syracuse



Maximum Weight: 23 kg. (50 lbs.)
Maximum EPA: 1.50
Slipfitter for 3" Tenon



Simple



Leaf



Arcadian



Fluted



Convex



DECORATIVE

HISTORICAL

Prismatic Glass Acorns

GranVille® Classic



GranVille with
standard finial



GranVille with
full decorative
cover and
standard finial



GranVille with
Mayfield
decorative cover
and standard
finial



GranVille with
ribs, bands and
standard finial



Syracuse
GranVille with
decorative top,
ribs, bands and
standard finial

3

6

OPTICS

Asymmetric

- 3 Type III
- 4 Type IV
- 6 Type II – Lunar Optics®
- 7 Type III – Lunar Optics®

Symmetric

- 5 Type V
- 8 Type V – Lunar Optics®



N

7

TRIM

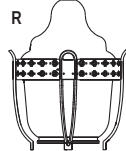
GV

- R Hinged Top with Ribs and Band
- N No Ribs and Band

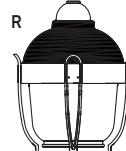
SY

- R Ribs, Band and Spun Cover

GranVille



Syracuse



C

8

FINIAL

Painted Cast Aluminum

- B Ball
- E Eagle
- F Flower
- P Pawn
- R Cross
- S Standard

Other

- C Clear Acrylic, 3"
- N None



Ball



Eagle



Flower



Pawn



Cross



Standard



Clear

B

9

TRIM FINISH

- B Black
- G Gold
- N Green
- Z Bronze
- U No Trim Necessary
- A As Specified

F1

10

OPTIONS AND ACCESSORIES

See below

FCVRX



MCVRX



GV1A73X



10 Options and Accessories

- FCVRX¹ Full Decorative Aluminum Cover for "GV" (Finial required)
- MCVRX¹ Mayfield Decorative Aluminum Cover for "GV" (Covers 1/2 of the reflector and requires a finial)
- P Protected Starter for HPS Units
- F1² Single Fusing for 120, 240, 277 and 340V Units. Ships Separate
- F2² Double Fusing for 208 and 240V Units. Ships Separate
- GV1A73X³ 3" to 7" Post Capital. Converts 3" Post Top Tenon to Flared 7" Post Capital
Use Only with "A", "F", or "C" Housings
- DTLPR12X³ Photocontrol Kit for 120V, "S" and "L" Housing Style only or GV1A73 Post Capital
- DTLPR20/24/27X³ Photocontrol Kit for 208, 240 or 277V, "S" and "L" Housing Style only or GV1A73 Post Capital
- DTLPR34X³ Photocontrol Kit for 340V, "S" and "L" Housing Style only or GV1A73 Post Capital
- GVBANDX³ Optional Decorative Band Kit Added to Glass Assembly for "GV" (Field installed)
- WHS090⁴ Internal House Side Shield, 90°
- WHS120⁴ Internal House Side Shield, 120°
- WHS180⁴ Internal House Side Shield, 180°
- WHSLO90⁴ Internal House Side Shield, use with Lunar Optics®, 90°
- WHS120⁴ Internal House Side Shield, use with Lunar Optics®, 120°
- WHS180⁴ Internal House Side Shield, use with Lunar Optics®, 180°

1 For color insert "B", "G", "N", "Z" or "A" for "X"
 2 Fusing not available for 480V and 200W Incandescent
 3 For color insert "B", "Z", "N" or "A" for "X"
 4 Mogul Base Only

PRISMATIC GLASS ACORNS GranVille® Mini

MGV

This smaller scaled version is designed to complement the original GranVille product for municipal streets, residential streets, schools, college campuses, and commercial area applications. The GranVille Mini is also a popular choice for residential "home" lighting. The product can be mounted on a variety of poles that are designed to enhance your home's architecture while providing excellent pedestrian safety.

FEATURES:

- Asymmetric and symmetric distributions
- Wide variety of lamp options
- Permanent, durable borosilicate glass
- Prismatic light control
- Leaf or simple style housing
- Clear finial, standard spike finial, decorative band, 180° house side shield and button photocontrol
- UL 40°C (HID), UL 30°C (Induction)

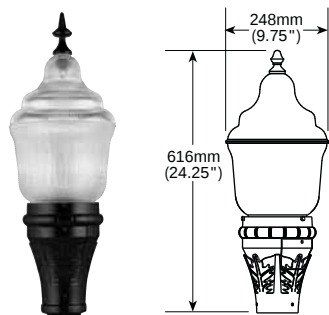
Example: MGV 50DMH 12 L B 5 2 B LAMP



How to Construct a Catalog Number

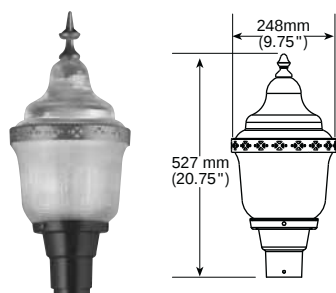
MGV	50DMH	12	L	B
1	2	3	4	5
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	HOUSING	COLOR
MGV GranVille Mini	35DHP¹ 35W HPS 50DHP 50W HPS 70DHP 70W HPS 20EMH 20W MH, electronic 39EMH 39W MH, electronic 50DMH 50W MH 70DMH 70W MH 20DIN 200W Inc Compact Fluorescent 42CFL 42W CF Induction 055QL 55W QL	12 120V 20 208V 24 240V 27 277V 34 347V MT Multi-tap	S Simple L¹ Leaf 1 120V, 200 incandescent only	B Black N Green W White Z Bronze A As Specified

MGV | GranVille Mini



Maximum Weight (Leaf housing): 10 kg. (22 lbs.)
Maximum EPA: .49
Slipfitter for 3" Tenon

MGV | GranVille Mini



Maximum Weight (Simple housing): 5 kg. (11 lbs.)
Maximum EPA: .49
Slipfitter for 2" Tenon



DECORATIVE

HISTORICAL

Prismatic Glass Acorns

GranVille® Mini



Leaf housing



Simple housing

5

6

OPTICS

- 3 Asymmetric
- 5 Symmetric

2

7

BAND AND FINIAL

- N None
- 1 Clear finial, no band
- 2 Standard finial, no band
- 3 Clear finial, decorative band
- 4 Standard finial, decorative band
- 5 No finial, decorative band

N



1



2



3



4



5



B

8

TRIM COLOR

- B Black
- G Gold
- N Green
- S Silver
- R Red
- U¹ No Trim Necessary
- W White
- Z Bronze
- A As Specified

1 Use "U" for "N", "I", and "5" in Step 7 Band and Finial

LAMP

9

OPTIONS AND ACCESSORIES

- LAMP** Appropriate Lamp Supplied
- R** Button Style Photocontrol included

Shields

- MGVSHS** Standard light trespass
- MGVSHE** Mini metal halide light trespass

HOLOPHANE®

PRISMATIC GLASS ACORNS
GranVille® Micro

MGM

The GranVille Micro is light duty integral wall mount luminaire designed to complement the GranVille Series of post top luminaires. Applications for the GranVille Micro will include residential, light commercial, retail, as well as an accent luminaire for municipal settings. Although the efficient light control is the cornerstone of the GranVille Micro's prismatic glass refractor, the prismatic glass optical assembly creates the sparkle that provides the visual appeal in any daytime setting.

- FEATURES:**
- Integral wall mount luminaire
 - Prismatic light control
 - Traditional GranVille shape
 - Clear and standard finial shipped with order
 - Symmetrical lighting distribution

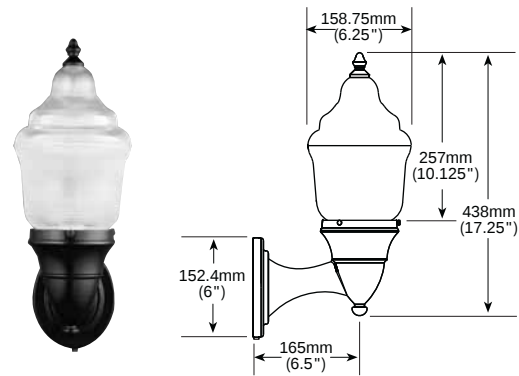
Example: MGM 75DIN 12 S B 5



How to Construct a Catalog Number

MGM	75DIN	12	S
1	2	3	4
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	ARM BRACKET
MGM GranVille Micro	75DIN 75W Incandescent, Medium Base	12 120V, UL/CUL	S Standard

MGM | GranVille Micro



Maximum Weight: 2.49 kg. (5.5 lbs.)



DECORATIVE

HISTORICAL

Prismatic Glass Acorns
GranVille® Micro



B	
5	
COLOR	
A	As Specified
B	Black

5	
6	
OPTICS	
5	Symmetric

HOLOPHANE®

POSTS

GranVille® Mini Posts

M | P | S

Cast aluminum poles are municipal grade and are designed for municipal streets, residential streets, schools, college campuses, and commercial area applications. The poles have a historic cast aluminum base and are constructed with a 3 inch fluted or 3 inch smooth shaft and offer good transition and scale to the GranVille Mini product line. These poles can also be used for residential "home" post top lighting applications.

FEATURES:

- Cast aluminum base
- 3 inch fluted or 3 inch smooth aluminum shaft
- Multiple shaft style
- One piece construction
- Ease of installation
- Corrosion resistant material
- Reliable factory finish



Example: M 7 F3 10-CA B T

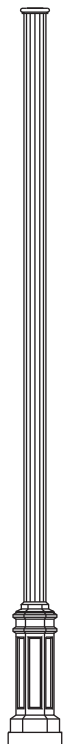
How to Construct a Catalog Number

M	7	F3	10-CA	B
1	2	3	4	5
POST STYLE NAME	POLE HEIGHT	SHAFT OPTIONS	POST BASE/MATERIAL	COLOR
M Mount Vernon P Plymouth S Salem	6 6 feet 7 7 feet 8 8 feet	S3 3" smooth F3 3" fluted	10-CA 10" square, cast aluminum	B Black DG Dark Green DB Dark Bronze PP Prime painted CM Custom CS RAL

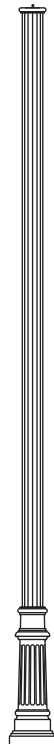
Decorative Base Designs



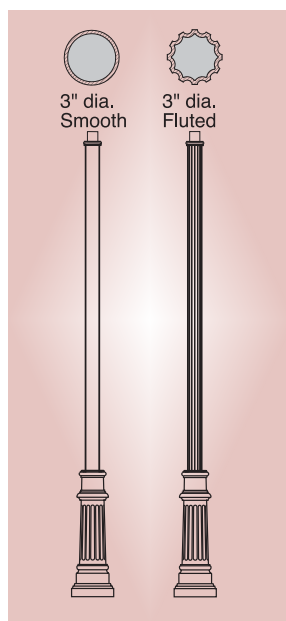
M|Mount Vernon



P|Plymouth



S|Salem





DECORATIVE

HISTORICAL

Prismatic Glass Acorns

GranVille® Mini Posts

**T
6**

MOUNTING OPTIONS

- T** Tenon (3" x 3" tall)
- S** Slip-fit (fixture slips over post)

Salem



These posts are designed to be used exclusively for the residential "home" marketplace. These aluminum posts will provide a smooth transition with the GranVille Mini simple housing and are offered in a direct burial assembly as well as a more ornate surface mount post.

POSTS

Residential Posts and Bracket

PR

FEATURES:

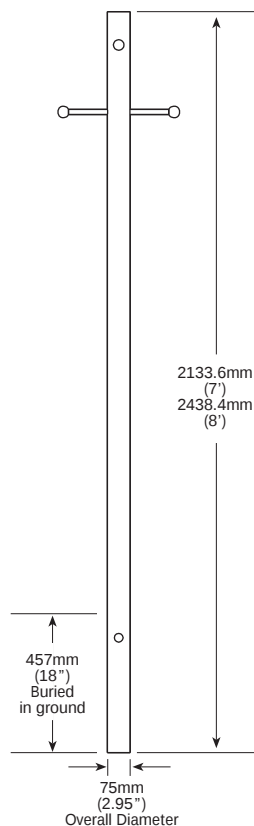
- Aluminum construction
- Surface mount and direct burial post options
- Ease of installation
- Button photocontrol and convenience outlet available with direct burial posts
- Reliable finish

Example: PR 7 D 295 C 320 BK



How to Construct a Catalog Number

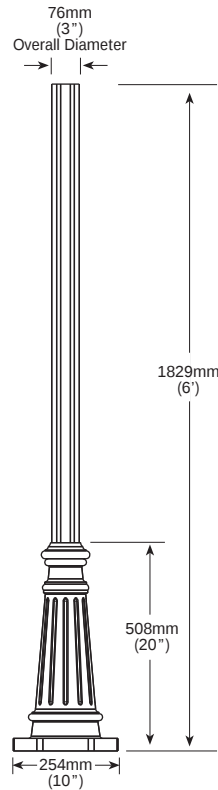
D | Direct Burial



7' - PR7D295C320BK | 8' - PR8D293C320BK

Black Direct Burial Aluminum Post
with Convenience Outlet and Button Photocontrol
Fits Mini Simple Housing Only

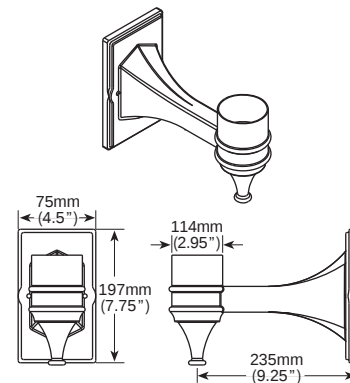
S | Surface Mount



6' - PR6SC6P2BS

Black Satin Surface Mount Aluminum Post
Pole Shaft: 3" O.D.
Base Height: 20"
Base Width: 10"
Wall Thickness: .100 "
Includes Anchor Bolts and Template
Fits Mini Leaf Housing Only

WB | Wall Bracket



PRWB343BK

Black Decorative Aluminum Wall Bracket
Max. Globe Size: 16"
Fits Mini Simple Housing only



DECORATIVE
HISTORICAL
Prismatic Glass Acorns
Residential Posts



Direct Burial



Surface Mount

PRISMATIC GLASS ACORNS Washington Series

WA | ST | WE

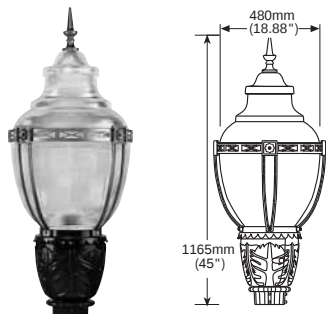
Example: WA 070HP 12 B 4 B 2 S

How to Construct a Catalog Number

WA		070HP		12		B	
1		2		3		4	
LUMINAIRE		SOURCE AND WATTAGE		VOLTAGE		FINISH	
WA	Washington PostLite®	Mogul	Medium	12	120V	B	Black
ST	State Street	Base	Base	20	208V	N	Green
WE	Enhanced Washington PostLite®	070HP	70DHP	24	240V	Z	Bronze
		100HP	10DHP	27	277V	A	As Specified
		15AHP	15DHP	34	347V		
		250HP	NA	48	480V		
		250RHP ¹	NA	08 ¹	208V		
		400HP	NA	40 ¹	244V		
		NA	70DMH ²	Multi-tap, factory wired			
		NA	10DMH ²	MA	120V only		
		NA	15DMH ²	MB	208V only		
		175MH	17DMH	MC	240V only		
		250MH	NA	MD	277V only		
		400MH	NA	1 Isolated secondary, CUL listed			
		NA	30DIN ³				

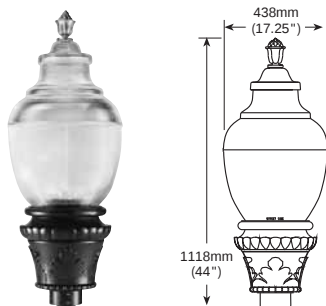
WA | Washington PostLite

WA | Washington PostLite



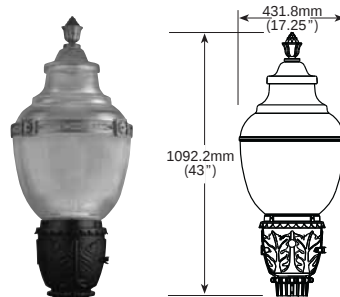
Maximum Weight: 36 kg. (80 lbs.)
Maximum EPA: 2.26
Slipfitter for 3" Tenon

ST | State Street



Maximum Weight: 36 kg. (80 lbs.)
Maximum EPA: 2.26
Slipfitter for 3" Tenon

WE | Enhanced Washington PostLite

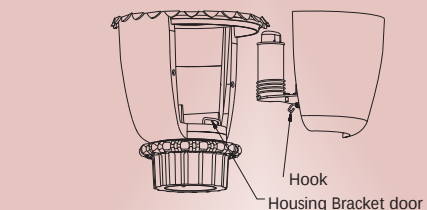


Maximum Weight: 36 kg. (80 lbs.)
Maximum EPA: 2.26
Slipfitter for 3" Tenon

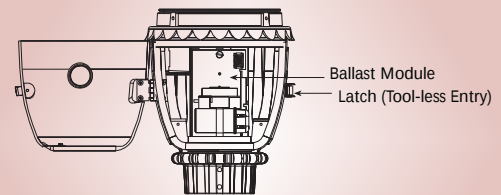
This classic is styled to replicate the acorn luminaires which beautified city streets during the first half of the 20th century. Designed for superior optical control, along with ease of installation and maintenance, the Washington PostLite luminaire incorporates a precision prismatic glass optical system for unparalleled performance and beauty.

FEATURES:

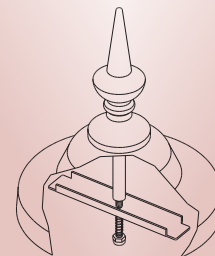
- Urban-scale
- Permanent, durable borosilicate glass
- Prismatic light control
- Six lighting distributions
- Lunar Optics® option (IESNA Cutoff)
- Two decorative housing choices
- Ease of maintenance ballast tray
- Enhanced, tool-less maintenance option
- 400W MH/HPS capability



Removable ballast assembly (WA)



Removable ballast assembly (WE)



Easy relamp access cap



DECORATIVE

HISTORICAL

Prismatic Glass Acorns

Washington Series



Washington PostLite with finial, ribs, band and medallions



State Street with finial



Washington PostLite with finial, band and medallions



Washington PostLite with finial, ribs, band and custom decorative trim

4

5

OPTICS

Asymmetric

- 3 Type III
- 4 Type IV
- 6 Type VI – Narrow, Lunar Optics®
- 7 Type VII – Wide, Lunar Optics®

Symmetric

- 5 Type V
- 8 Type VIII – Lunar Optics®



B

6

TRIM COLOR

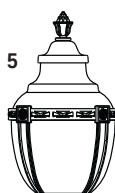
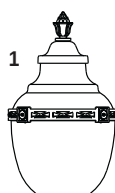
- B Black
- Z Bronze
- N Green
- G Gold
- A As Specified

2

7

TRIM

- 1 Bud Finial, Band and Medallions
- 2 Spike Finial, Band and Medallions
- 3 Bud Finial
- 4 Spike Finial
- 5 Bud Finial, Bands and Ribs
- 6 Spike Finial, Band and Ribs
- 7 Ornate Finial, Band and Medallions
- 8 Ornate Finial
- 9 Ornate Finial, Band and Ribs



Bud



Spike



Ornate

S

8

OPTIONS AND ACCESSORIES

See below



8 Options and Accessories

PS	Protected Starter for HPS
PR	Button Style Photocontrol for 120, 208, 240 and 277V, 175 watt maximum. Not available with "WE"
H	NEMA Twist-off Photocontrol (Photocontrol not included) For "WE" only
F	Full Decorative Aluminum Cover
S	Shorewood Decorative Aluminum Cover (Covers 2/3 of the reflector)
F1	Single Fusing for 120, 240 and 277V Units (Ships separate)
F2	Double Fusing for 208, 240 and 480V Units (Ships separate)
WHS090 ¹	Internal House Side Shield, 90°
WHS120 ¹	Internal House Side Shield, 120°
WHS180 ¹	Internal House Side Shield, 180°

¹ Mogul Base Only

The classic acorn style street light has adorned metropolitan avenues and town streets for nearly a century. This traditional luminaire style provides a pleasant daytime and nighttime appearance. The Holophane designed Acrylic Washington Series optical system is molded out of modern, premium UV resistant acrylic for maximum life and superior performance.

PRISMATIC ACRYLIC ACORNS

Washington PostLite® GV Series

AG

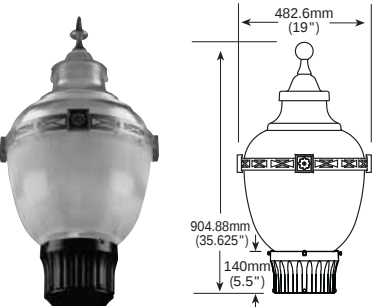
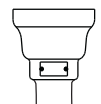
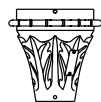
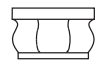
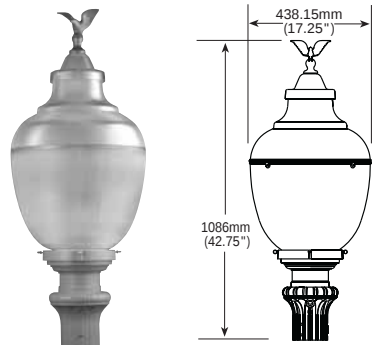
FEATURES:

- Premium UV resistant acrylic optics
- Prismatic light control
- Six lighting distributions
- Lunar Optics™ option (IESNA cutoff)
- Six decorative housing choices
- Decorative trim variety

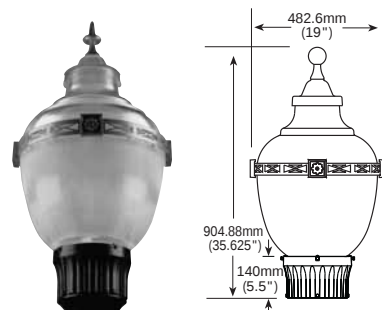
Example: AG 050HP 12 S B 3 N R B TB



How to Construct a Catalog Number

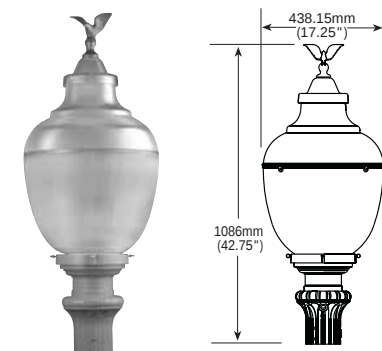
AG		050HP		12	S	B			
1		2		3		4		5	
LUMINAIRE		SOURCE AND WATTAGE		VOLTAGE		HOUSING		COLOR	
AG Acrylic Washington PostLite GV		<u>Mogul</u> <u>Base</u> NA 050HP 070HP 100HP 15AHP NA NA NA 175MH NA	<u>Medium</u> <u>Base</u> 35DHP ¹ 35W HPS 50DHP 50W HPS 70DHP 70W HPS 10DHP 100W HPS 15DHP 150W/55V HPS 70DMH ² 70W MH 10DMH ² 100W MH 15DMH ² 150W MH 17DMH 175W MH 30DIN ¹ 300W Inc	12 120V 20 208V 24 240V 27 277V 34 347V 48 480V 08 ¹ 208V 40 ¹ 240V MT Multi-tap <u>Multi-tap, factory wired</u> MA 120V only MB 208V only MC 240V only MD 277V only 1 Isolated secondary, CUL listed	S ¹ Simple L ¹ Leaf A ² Arcadian F ² Fluted C ² Convex W "W" Style 1 Casting for 3" Tenon 2 Casting for 7" Capital	B Black Z Bronze N Green A As Specified			
AG Washington PostLite GV								Simple	
Maximum Weight: 15 kg. (34 lbs.) Maximum EPA: 2.11 Slipfitter for Post Capital Tenon								Leaf	
								Arcadian	
								Fluted	
								Convex	
								"W" Style	
AG "W" Housing									
Maximum Weight: 14.5 kg. (32 lbs.) Maximum EPA: 2.11 Slipfitter for 3" Tenon									

AG | Washington PostLite GV



Maximum Weight: 15 kg. (34 lbs.)
Maximum EPA: 2.11
Slipfitter for Post Capital Tenon

AG | "W" Housing



Maximum Weight: 14.5 kg. (32 lbs.)
Maximum EPA: 2.11
Slipfitter for 3" Tenon



DECORATIVE

HISTORICAL

Prismatic Acrylic Acorns

Acrylic Washington PostLite® GV Series



Acrylic
Washington
PostLite GV
with convex
style housing and
clear finial



Acrylic
Washington
PostLite GV
with Fluted
style housing,
standard finial,
band and
medallions



Acrylic
Washington
PostLite GV
with leaf style
housing and
eagle finial



Acrylic
Washington
PostLite GV
with "W" style
housing and
eagle finial

3 6 OPTICS	N 7 TRIM	R 8 FINIAL	B 9 TRIM FINISH	TB 10 OPTIONS AND ACCESSORIES
Asymmetric 3 Type III 4 Type IV 6 ¹ Type VI – Narrow Lunar Optics® 7 ¹ Type VII – Wide Lunar Optics® Symmetric 5 Type V 8 ¹ Type VIII – Lunar Optics® 1 175W max- 	M Band and Medallions only N None F Full, Decorative Painted Cover D Full, Decorative Painted Cover with Band and Medallions only    	Painted Cast Aluminum B Ball E Eagle F Flower K Knurled P Pawn R Cross S Standard Other C Clear Acrylic, 3" N None        	B Black G Gold N Green Z Bronze U No Trim and Clear Finial A As Specified  GV1A73X  RBMX	See below GV1A73X  RBMX 

10 Options and Accessories

F1 ¹	Single Fusing for 120, 240 and 277V Units. Ships Separate
F2 ¹	Double Fusing for 208 and 240V Units. Ships Separate
H	Button Style Photocontrol and Protected Starter
PS	Protected Starter for HPS
PR	Button Style Photocontrol
TR	Top Re-lamping Access
TB	Tucson Style (Acrylic black top) Maximum 150W HPS and 175W MH
GV1A73X ²	3" to 7" Post Capital. Converts 3" Post Top Tenon to Flared 7" Post Capital. Use Only with "A", "F", or "C" Housings.
RBMX ³	Field installed Ribs, Band and Medallions Kit
DTLPR12X ²	Photocontrol Kit for 120V, "S" and "L" Housing Style only or GV1A73 Post Capital
DTLPR20/24/27X ²	Photocontrol Kit for 208, 240 or 277V, "S" and "L" Housing Style only or GV1A73 Post Capital
DTLPR34 ²	Photocontrol Kit for 347V, "S" and "L" Housing Style only or GV1A73 Post Capital
WHS090 ⁴	Internal House Side Shield, 90°
WHS120 ⁴	Internal House Side Shield, 120°
WHS180 ⁴	Internal House Side Shield, 180°

1 Fusing not available for 480V and 300W Incandescent

2 For color insert "B", "Z", "N" or "A" for "X"

3 For color insert "B", "G", "N", "Z" or "A" for "X"

4 Mogul Base only

The classic acorn style street light has adorned metropolitan avenues and town streets for nearly a century. This traditional luminaire style provides a pleasant daytime and nighttime appearance. The Holophane designed and manufactured Acrylic Washington Series optical system is molded out of modern, premium UV resistant acrylic for maximum life and superior performance.

PRISMATIC ACRYLIC ACORNS

Acrylic Washington Series

AW | AS | AE

FEATURES:

- Premium UV resistant acrylic optics
- Prismatic light control
- High-wattage availability
- Six lighting distributions
- Lunar Optics® option (IESNA cutoff)
- Two decorative housing choices
- Decorative trim variety
- Enhanced, tool-less maintenance option

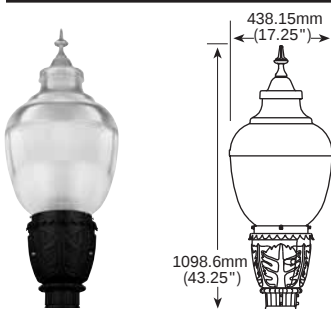
Example: AW 100HP 20 B 6 M P B F1



How to Construct a Catalog Number

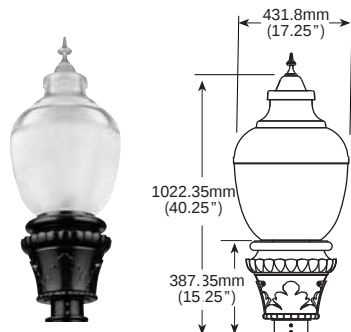
AW	100HP	20	B	6
1	2	3	4	5
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	COLOR	OPTICS
AW Acrylic Washington PostLite®	<u>Mogul</u> <u>Medium</u>	12 120V	B Black	<u>Asymmetric</u>
AS Acrylic Washington PostLite®	<u>Base</u> <u>Base</u>	20 208V	Z Bronze	3 Type III
SS (State Street)	070HP 70DHP 70W HPS	24 240V	N Green	4 Type IV
AE Enhanced Acrylic Washington PostLite®	100HP 10DHP 100W HPS	27 277V	A As Specified	6 ¹ Type VI – Narrow Lunar
	15AHP 15DHP 150W/55V HPS	34 347V		Optics®
	250HP NA 250W HPS	48 480V		7 ¹ Type VII – Wide Lunar Optics®
	250RHP ¹ NA 250W HPS	08 ¹ 208V		<u>Symmetric</u>
	400HP NA 400W HPS	40 ¹ 240V		5 Type V
	NA 70DMH ² 70W MH	<u>Multi-tap, factory wired</u>		8 ¹ Type VIII ¹ – Lunar Optics®
	NA 10DMH ² 100W MH	MA 120V only		1 175W max.
	NA 15DMH ² 150W MH	MB 208V only		
	175MH 17DMH 175W MH	MC 240V only		
	250MH NA 250W MH	MD 277V only		
	400MH NA 400W MH			
	NA 30DIN ³ 300W Inc			
	1 Mag Reg			
	2 NA 480V			
	3 120V			

AW | Acrylic Washington PostLite



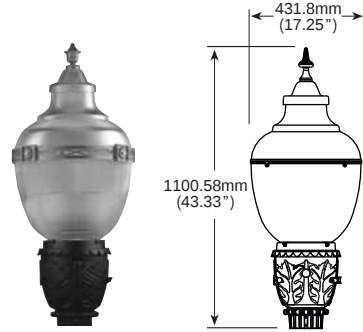
Maximum Weight: 20.8. (46 lbs.)
Maximum EPA: 2.26
Slipfitter for 3" Tenon

AS | Acrylic Washington PostLite SS

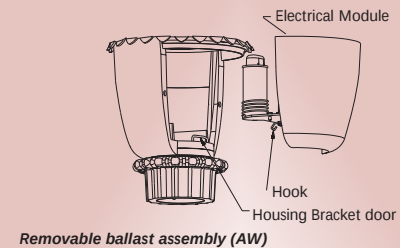


Maximum Weight: 20.8. (46 lbs.)
Maximum EPA: 2.26
Slipfitter for 3" Tenon

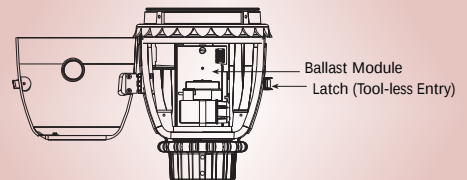
AE | Enhanced Acrylic Washington PostLite



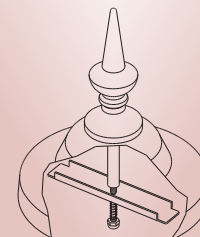
Maximum Weight: 20.8. (46 lbs.)
Maximum EPA: 2.26
Slipfitter for 3" Tenon



Removable ballast assembly (AW)



Removable ballast assembly (AE)



Easy relamp access cap (TR, optional)





DECORATIVE HISTORICAL

Prismatic Acrylic Acorns

Acrylic Washington Series



Acrylic
Washington
PostLite



Acrylic
Washington SS
PostLite



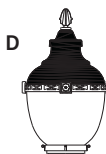
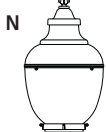
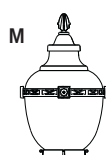
Enhanced
Acrylic
Washington
PostLite

M

6

TRIM

- M** Band and Medallions only
- N** None
- F** Full Decorative Painted Cover
- D** Full Decorative Painted Cover with Band and Medallions only



P

7

FINIAL

Painted Cast Aluminum

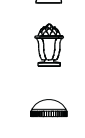
- B** Ball
- E** Eagle
- F** Flower
- K** Knurled Cap
- P** Pawn
- R** Cross
- S** Standard

Other

- C** Clear Acrylic, 3"
- N** None



Ball



Eagle



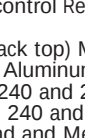
Flower



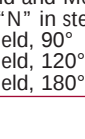
Knurled Cap



Pawn



Cross



Standard



Clear

B

8

TRIM FINISH

- B** Black
- G** Gold
- N** Green
- Z** Bronze
- U** No Trim Necessary
- A** As Specified

F1

9

OPTIONS AND ACCESSORIES

See below

TB



RBMX



9 Options and Accessories

PS	Protected Starter for HPS
PR¹	Button Style Photocontrol for 120, 208, 240 and 277V.
H²	NEMA Twist-off Photocontrol Receptacle (Photocontrol not included)
TR	Top Re-lamping Access
TB	Tucson Style (Acrylic black top) Maximum 150W HPS and 175W MH
S	Shorewood Decorative Aluminum Cover (Covers 2/3 of the reflector)
F1	Single Fusing for 120, 240 and 277V Units (Ships separate)
F2	Double Fusing for 208, 240 and 480V Units (Ships separate)
RBMX³	Field installed Ribs, Band and Medallions Kit. For Use with Units without Factory Installed Medallions and Band ("N" in step #6)
WHS090⁴	Internal House Side Shield, 90°
WHS120⁴	Internal House Side Shield, 120°
WHS180⁴	Internal House Side Shield, 180°

1 Not available on "AE" or with 400W HPS and MH

2 For "AE" only

3 For color insert "B", "G", "N", "Z", "U" or "A" for "X"

4 Mogul base only

HOLOPHANE®

ORNAMENTAL ACORNS Madeira® Series

MD

This uniquely styled luminaire is reminiscent of turn of the 19th Century, and blends exceptionally well with traditional Spanish architecture. The prismatic glass optics provides just the right balance of exceptional beauty and performance.

FEATURES:

- Traditional, European styling
- Urban-scale
- High-wattage availability
- Permanent, durable borosilicate glass
- Prismatic light control
- Six lighting distributions
- Lunar Optics® option (IESNA cutoff)

Example: MD 175MH 24 N 6 1 N B F1



How to Construct a Catalog Number

MD		175MH		24	N	6	
1		2		3	4	5	
LUMINAIRE		OPTICS		VOLTAGE	COLOR	OPTICS	
MD	Madeira	<u>Mogul Base</u> 070HP 100HP 15AHP 250HP 250RHP ¹ 400HP NA NA NA 175MH 250MH 400MH NA	<u>Medium Base</u> 70DHP 10DHP 15DHP 250W HPS 250W HPS 400W HPS 70W MH 100W MH 150W MH 175W MH 250W MH 400W MH 300W Inc	12 120V 20 208V 24 240V 27 277V 34 347V 48 480V 08 ¹ 208V 40 ¹ 240V VT Vari-tap <u>Multi-tap, factory wired</u> MA 120V only MB 208V only MC 240V only MD 277V only	B Black G Gold Z Bronze N Green A As Specified	Asymmetric 3 Type III 4 Type IV 6 Type VI – Narrow Lunar Optics® 7 Type VII – Wide Lunar Optics® Symmetric 5 Type V 8 Type VIII – Lunar Optics®	
		1 Mag Reg 2 NA 480V 3 120V				 IESNA Cutoff	



MD | Madeira



Maximum Weight: 45 kg. (100 lbs.)
Maximum EPA: 2.7
Slipfitter for 3" Tenon



DECORATIVE HISTORICAL

Ornamental Acorns



Madeira

1 6 FINIAL	N 7 TRIM COLOR	B 8 RIB COLOR	F1 9 OPTIONS AND ACCESSORIES
1 Chimney 2 Bud 3 Ornafe 4 Spike    	B Black G Gold N Green Z Bronze A As Specified	B Black G Gold N Green Z Bronze A As Specified	See below

9 Options and Accessories

PS	Protected Starter for HPS
PR	Button Style Photocontrol for 120, 208, 240 and 277V, 175 watt maximum
F1	Single Fusing for 120, 240 and 277V Units. Ships Separate
F2	Double Fusing for 208, 240 and 480V Units. Ships Separate
WHS090 ¹	Internal House Side Shield, 90°
WHS120 ¹	Internal House Side Shield, 120°
WHS180 ¹	Internal House Side Shield, 180°

1 Mogul Base Only

HOLOPHANE®

Since the 1920's, luminaires incorporating the graceful symmetry of the eight-sided lantern have adorned urban streets and parks throughout North America. The Octagonal Lantern Series blends this classic design with state-of-the-art optics and lamp technology to create a luminaire, which is superior performing and aesthetically pleasing.

OCTAGONAL LANTERNS

Arlington® & Jefferson

AR | JF

FEATURES:

- Traditional appearance
- Pedestrian-scale
- Prismatic light control
- Glass or plastic optical material
- IESNA cutoff option

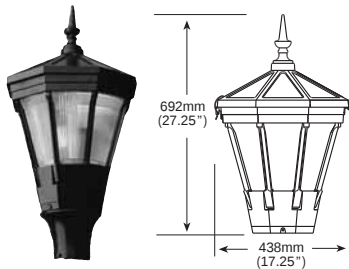
Example: AR 15AHP 12 Z P3 B GV1A73X



How to Construct a Catalog Number

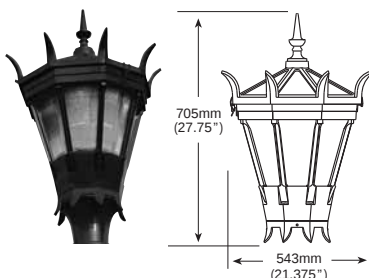
AR	15AHP	12	Z
1	2	3	4
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	COLOR
AR Arlington	Mogul Base	12 120V	B Black
JF Jefferson	Medium Base	20 208V	Z Bronze
	NA 35DHP ¹ 35W HPS	24 240V	N Green
	050HP 50DHP 50W HPS	27 277V	A As Specified
	070HP 70DHP 70W HPS	34 347V	
	100HP 10DHP 100W HPS	48 480V	
	15AHP 15DHP 150W/55V HPS	08 ¹ 208V	
	NA 70DMH ² 70W MH	40 ¹ 240V	
	NA 10DMH ² 100W MH	MT Multi-tap	
	175MH 17DMH 175W MH	1 Isolated secondary, CUL listed	
	NA 20DIN ² 200W Inc		
	1 120V only		
	2 NA 480V		

AR | Arlington



Maximum Weight: 25 kg. (55 lbs.)
Maximum EPA: 1.50
Slipfitter for Post Capital Tenon

JF | Jefferson



Maximum Weight: 25 kg. (56 lbs.)
Maximum EPA: 1.50
Slipfitter for Post Capital Tenon



DECORATIVE HISTORICAL

Octagonal Lanterns



Arlington



Jefferson

P3

5

OPTICS

Asymmetric

- G3 Glass Refractor
- P3¹ Polycarbonate Refractor
- A3 Acrylic Refractor

Symmetric

- P5¹ Polycarbonate Refractor
- A5¹ Acrylic Refractor

B

6

FINIAL

Painted

Cast Aluminum

- B Ball
- S Standard



Ball



Standard

GV1A73X

7

OPTIONS AND ACCESSORIES

See below

GV1A73X



6 Options and Accessories

PS	Protected Starter for HPS Units (Add as suffix to catalog number)
R ¹	NEMA Type Photocontrol Receptacle in Top Cover, Replaces Cast Aluminum Finial.
C	IESNA Cutoff Optics
F1 ²	Single Fusing for 120, 240 and 277V Units. NA with "20DIN" (Ships separate)
F2 ²	Double Fusing for 208, 240 and 480V Units (Ships separate)
GV1A73X ³	3" to 7" Post Capital. Converts 3" Post Top Tenon to Flared 7" Post Capital
DTLPR12X ³	Photocontrol Kit for 120V
DTLPR20/24/27X ³	Photocontrol Kit for 208, 240 or 277V
DTLPR34X ³	Photocontrol Kit for 347V
SD-90-90 ³	90° House Side Shield for Field Installation
SD-120-120 ²	120° House Side Shield for Field Installation
SD-180-180 ²	180° House Side Shield for Field Installation

1 Not available with "MT" (Add as suffix to catalog number)

2 Not UL Listed

3 Insert color "B", "Z", "N" for "X"

HOLOPHANE®

VICTORIAN GAS LIGHT Dorchester®

DH

Early era street lamps adorned urban areas during the late eighteen hundreds. This was a time when Victorian style and elegance were matched with the soft glow of gas lamps. Today, this luminaire provides authentic styling, with modern light sources and electrical components.

FEATURES:

- Colonial appearance
- Pedestrian-scale
- Prismatic light control
- Three prismatic glass options

Example: DH 050HP 12 B M F1



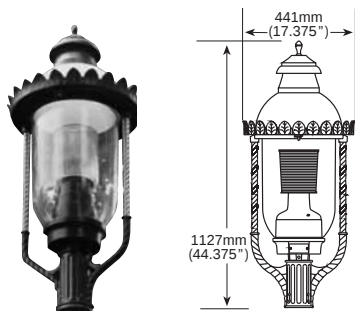
How to Construct a Catalog Number

DH		050HP		12	B	M
1		2		3	4	5
LUMINAIRE		SOURCE AND WATTAGE		VOLTAGE	COLOR	OPTICS
DH	Dorchester	<u>Mogul</u>	<u>Medium</u>	12	120V	<u>Prismatic Glass</u>
		Base	Base	20	208V	A Asymmetric distribution
		NA	35DHP ¹ 35W HPS	24	240V	M Symmetric distribution
		050HP	50DHP 50W HPS	27	277V	R Square distribution
		070HP	70DHP 70W HPS	34	347V	
		100HP	10DHP 100W HPS	48	480V	
		15AHP	15DHP 150W/55V HPS	08 ¹	208V	
		NA	70DMH ² 70W MH	40 ¹	240V	
		NA	10DMH ¹ 100W MH	MT	Multi-tap	
		NA	15DMH ¹ 150W MH	1	Isolated secondary, CUL listed	
		175MH	17DMH 175W MH			
		NA	20DIN 200W Inc			
		1 120V only				
		2 NA 480V				

1 120V only
2 NA 480V



DH | Dorchester



Maximum Weight: 14 kg. (30 lbs.)
Maximum EPA: 2.1
Slipfitter for 3" Tenon



DECORATIVE HISTORICAL

Victorian Gas Light



Dorchester

F1

6

OPTIONS AND ACCESSORIES

P	Protected Starter for HPS Units
F1¹	Single Fusing for 120, 240 and 277V Units. (Ships separate)
F2¹	Double Fusing for 208, 240V Units (Ships separate)
DTLPR12X²	Photocontrol Kit for 120V, Located in Access Cover, Field Installed
DTLPR20/24/27X²	Photocontrol Kit for 208, 240, 277V, Located in Access Cover, Field Installed
DTLPR34X²	Photocontrol Kit for 347V, Located in Access Cover, Field Installed

¹ Not UL Listed or available with 480V

² For color insert "B", "G", "N" or "A" for "X"

TEAR DROP SERIES

Esplanade®, Memphis,
Boardwalk® & Port Huron®

**ESU | MPU | BWU
PHU**

Example: ESU 070HP 12 B 6 SS

Styled to replicate the teardrop luminaires that illuminated boulevards during the first half of the century, the Holophane Tear Drop Series offers alternatives to the ubiquitous cobra head and shoe box units typically used in street and area lighting applications. This luminaire masterfully takes decorative lighting to new levels with higher mounting heights and wattages, promoting a comfortable atmosphere for both pedestrian and vehicular traffic.

FEATURES:

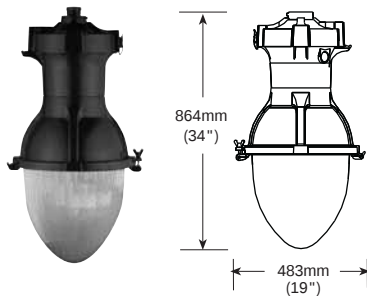
- Classic, elegant appearance
- Urban-scale, boulevard lighting
- Permanent, durable prismatic glass
- Utility friendly
- IP 66 rating
- Tool-less lamp access
- IESNA cutoff/full cutoff availability
- High-wattage capability
- Ease of maintenance/installation
- Tool-less electrical component access



How to Construct a Catalog Number

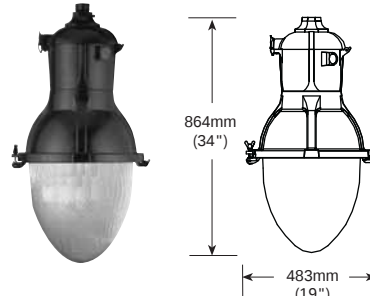
ESU	070HP	12	B
1	2	3	4
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	COLOR
ESU Esplanade	Mogul Base	12 120V	B Black
MPU Memphis	070HP 70W HPS	20 208V	Z Bronze
BWU Boardwalk	100HP 100W HPS	24 240V	N Green
PHU Port Huron	15AHP 150W/55V HPS	27 277V	A As Specified
	250HP 250W HPS	34 347V	
	400HP 400W HPS	48 480V	
	175MH 175W MH or MV	Multi-tap, factory wired	
	250MH 250W MH or MV	MA 120V only	
	400MH 400W MH or MV	MB 208V only	
	175PM 175W MH, Pulse	MC 240V only	
	250PM 250W MH, Pulse	MD 277V only	
	320PM 320W MH, Pulse		
	350PM 350W MH, Pulse		
	400PM 400W MH, Pulse		

ESU | Esplanade



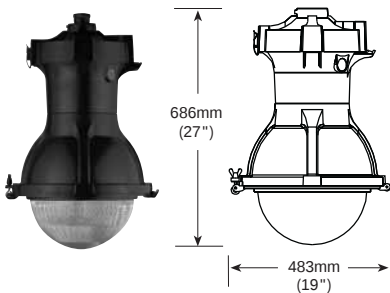
Maximum Weight: 30 kg. (66 lbs.)
Maximum EPA: 2.37

MPU | Memphis



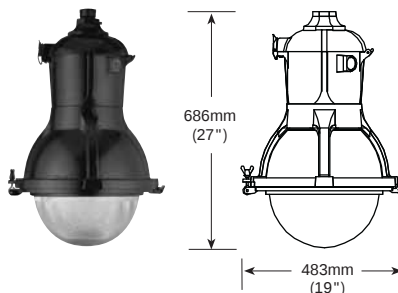
Maximum Weight: 30 kg. (66 lbs.)
Maximum EPA: 2.37

BWU | Boardwalk

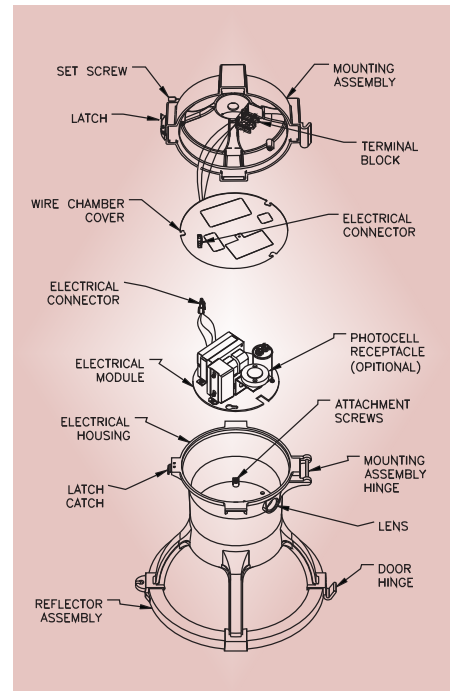


Maximum Weight: 28 kg. (61 lbs.)
Maximum EPA: 2.23

PHU | Port Huron



Maximum Weight: 28 kg. (61 lbs.)
Maximum EPA: 2.23





DECORATIVE HISTORICAL

Tear Drop Series



Esplanade



Memphis



Boardwalk



Port Huron

6

5

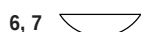
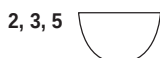
DOOR/OPTICS

ESU/MPU

- 4 Door with Teardrop Type IV Glass
- 6 Door with Clear Sag Glass Symmetric
- 7 Door with Clear Sag Glass Asymmetric

BWU/PHU

- 2 Door with Bowl Type II Glass
- 3 Door with Bowl Type III Glass
- 5 Door with Bowl Type V Glass



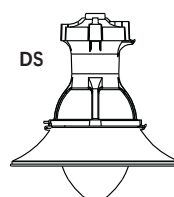
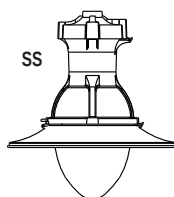
SS

6

OPTIONS AND ACCESSORIES

- PS Protected Starter for HPS Units
- R NEMA Twist-off Photocontrol
- SS Decorative Shallow Skirt
- DS Decorative Deep Skirt
- TDSD090¹ 90° House Side Shield
- TDSD0120¹ 120° House Side Shield
- TDSD0180¹ 180° House Side Shield

¹ Available with "ESU" and "MPU" only (Tear Drop glass only)



Leveling Fitters | Tear Drop Accessories BHLF | WLLF | GWLF

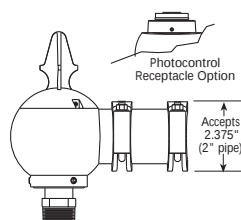
Example: BHLF 200 SCA BK R

Designed to provide appropriate transition from luminaire to the arm/ pole assembly, this collection of decorative fitters allows for mechanical integrity and leveling of luminaires.

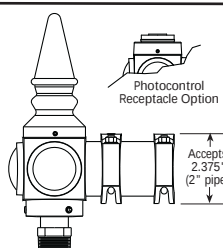
How to Construct a Catalog Number

BHLF	200	SCA	BK	R
1	2	3	4	5
SERIES	MAST ARMS SIZE	MOUNTING/MATERIAL	COLOR	OPTIONS
BHLF Boston Harbour	200 2" (2.375" O.D.)	Cast Aluminum	BK Black	R Photocontrol
WLLF West Liberty		SCA Swivel Version	BZ Bronze	Receptacle (replaces standard top cover) for NEMA Twist-off Photocontrols
GWLF GlasWerks		RCA Rigid Version	GN Green	
			AS As Specified	

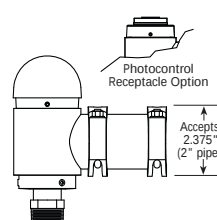
BHLF | Boston Harbour



WLLF | West Liberty



GWLF | GlasWerks



HOLOPHANE®

TEAR DROP SERIES

Crystalite, Atlanta,
Starshell® & Grand Ledge®

CRU | ALU | SSU | GLU

Styled to replicate the teardrop luminaires that illuminated boulevards during the first half of the century, the Holophane Tear Drop Series offers alternatives to the ubiquitous cobra head and shoe box units typically used in street and area lighting applications. This luminaire masterfully takes decorative lighting to new levels with higher mounting heights and wattages, promoting a comfortable atmosphere for both pedestrian and vehicular traffic.

FEATURES:

- Classic, elegant appearance
- Urban-scale, boulevard lighting
- Permanent, durable prismatic glass
- Utility friendly
- IP 66 rating
- Tool-less lamp access
- Designed uplight component
- High-wattage capability
- Ease of maintenance/installation
- Tool-less electrical component access

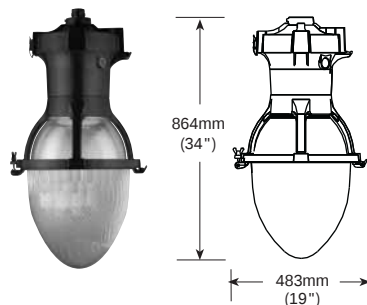
Example: ALU 100HP 12 B 6 SS



How to Construct a Catalog Number

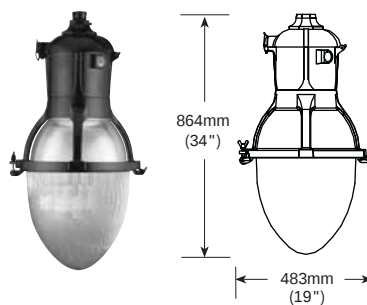
ALU	100HP	12	B
1	2	3	4
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	COLOR
CRU Crystalite	<u>Mogul Base</u>	12 120V	B Black
ALU Atlanta	070HP 70W HPS	20 208V	Z Bronze
SSU Starshell	100HP 100W HPS	24 240V	N Green
GLU Grand Ledge	15AHP 150W/55V HPS	27 277V	A As specified
	250HP 250W HPS	34 347V	
	175MH 175W MH or MV	48 480V	
	250MH 250W MH or MV	08 ¹ 208V	
	175PM 175W MH, Pulse	40 ¹ 240V	
	250PM 250W MH, Pulse	<u>Multi-tap, factory wired</u>	
		MA 120V only	
		MB 208V only	
		MC 240V only	
		MD 277V only	
		1 Isolated secondary, CUL listed	

CRU | Crystalite



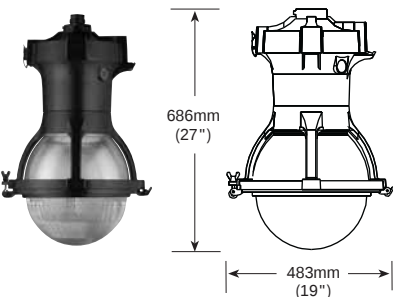
Maximum Weight: 30 kg. 66 lbs.
Maximum EPA: 2.37

ALU | Atlanta



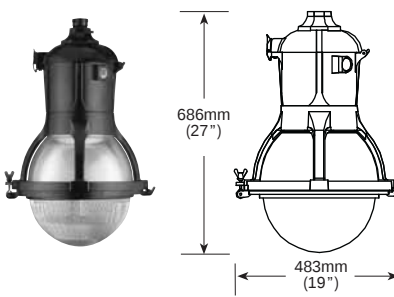
Maximum Weight: 30 kg. 66 lbs.
Maximum EPA: 2.37

SSU | Starshell®

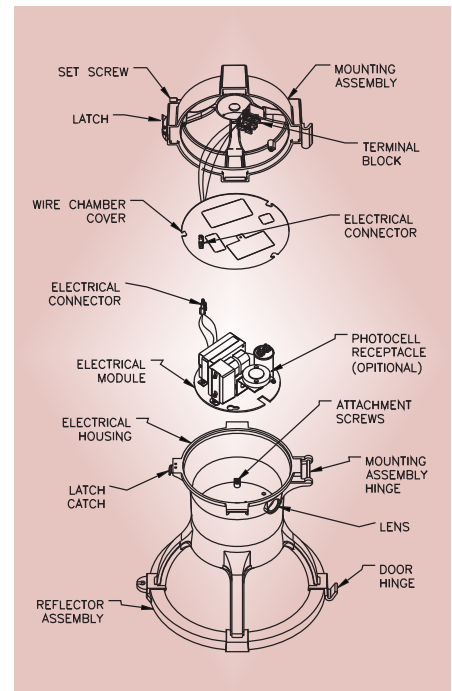


Maximum Weight: 28 kg. 61 lbs.
Maximum EPA: 2.23

GLU | Grand Ledge®



Maximum Weight: 28 kg. 61 lbs.
Maximum EPA: 2.23





DECORATIVE HISTORICAL

Tear Drop Series



Crystalite



Atlanta



Starshell



Grand Ledge

6

5

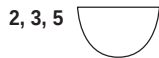
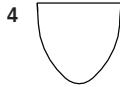
DOOR/OPTICS

CRU/ALU

- 4 Door with Teardrop Type IV Glass
- 6 Door with Clear Sag Glass Symmetric

SSU/GLU

- 2 Door with Bowl Type II Glass
- 3 Door with Bowl Type III Glass
- 5 Door with Bowl Type V Glass



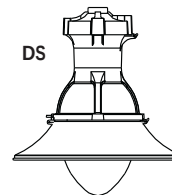
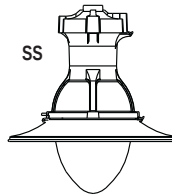
SS

6

OPTIONS AND ACCESSORIES

- PS Protected Starter for HPS Units
- R NEMA Twist-off Photocontrol Receptacle
- SS Decorative Shallow Skirt
- DS Decorative Deep Skirt
- TDSD090¹ 90° House Side Shield
- TDSD0120¹ 120° House Side Shield
- TDSD0180¹ 180° House Side Shield

1 Available with "ESU" and "MPU" only (Tear Drop glass only)



Leveling Fitters | Tear Drop Accessories

BHLF | WLLF | GWLF

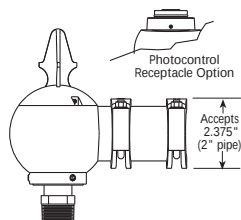
Example: BHLF 200 SCA BK R

Designed to provide appropriate transition from luminaire to the arm/ pole assembly, this collection of decorative fitters allows for mechanical integrity and leveling of luminaires.

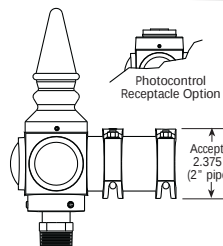
How to Construct a Catalog Number

BHLF	200	SCA	BK	R
1	2	3	4	5
SERIES	MAST ARMS SIZE	MOUNTING/MATERIAL	COLOR	OPTIONS
BHLF Boston Harbour	200 2" (2.375" O.D.)	Cast Aluminum	BK Black	R Photocontrol
WLLF West Liberty		SCA Swivel Version	BZ Bronze	Receptacle (replaces standard top cover) for NEMA Twist-off Photocontrols
GWLF GlasWerks		RCA Rigid Version	GN Green	
			AS As Specified	

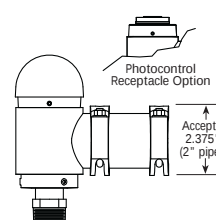
BHLF | Boston Harbour



WLLF | West Liberty



GWLF | GlasWerks



PEDESTRIAN TEAR DROP SERIES

Esplanade®, Memphis,
Crystalite & Atlanta

ESP | MSP | CRP | ALP

FEATURES:

- Classic, elegant appearance
- Pedestrian-scale
- Permanent, durable prismatic glass
- IESNA cutoff or uplight options
- Complements original Tear Drop Series
- Ease of maintenance/installation

Example: ESP 175MH 12 Z 6 DS



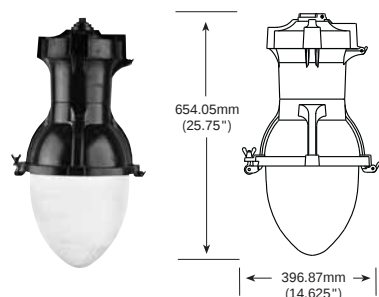
How to Construct a Catalog Number

ESP		175MH		12		Z	
1		2		3		4	
LUMINAIRE		SOURCE AND WATTAGE		VOLTAGE		COLOR	
ESP	Esplanade Pedestrian Tear Drop	Mogul	Medium	12	120V	B	Black
MSP	Memphis Pedestrian Tear Drop	Base	Base	20	208V	Z	Bronze
CRP	Crystalite Pedestrian Tear Drop	NA	35DHP ¹ 35W HPS	24	240V	N	Green
ALP	Atlanta Pedestrian Tear Drop	050HP	50DHP 50W HPS	27	277V	A	As Specified
		070HP	70DHP 70W HPS	34	347V		
		100HP	10DHP 100W HPS	48	480V		
		15AHP	15DHP 150W/55V HPS	08 ¹	208V		
		NA	70DMH ² 70W MH	40 ¹	240V		
		NA	10DMH ² 100W MH	MT	Multi-tap		
		NA	15DMH ² 150W MH	Multi-tap, factory wired			
		175MH	17DMH 175W MH	MA	120V only		
		NA	20DIN 200W Inc	MB	208V only		
				MC	240V only		
				MD	277V only		

1 120V only
2 NA with 347 or 480V

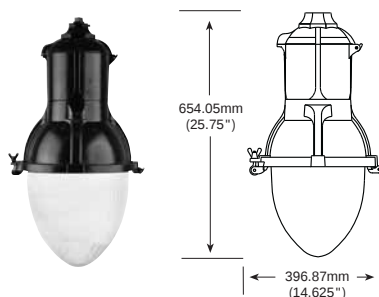
1 Isolated secondary, CUL listed

ESP | Esplanade Pedestrian



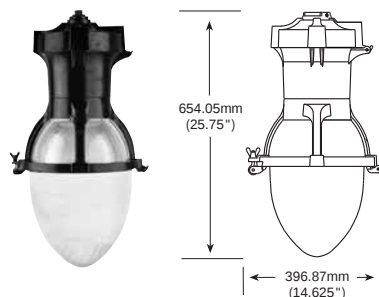
Maximum Weight: 22 kg. 49 lbs.
Maximum EPA: 1.43

MSP | Memphis Pedestrian



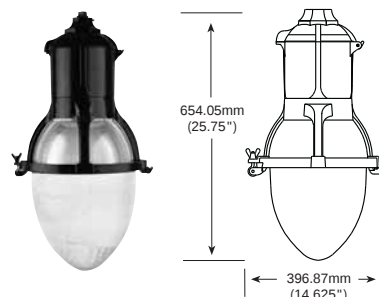
Maximum Weight: 22 kg. 49 lbs.
Maximum EPA: 1.36

CRP | Crystalite Pedestrian

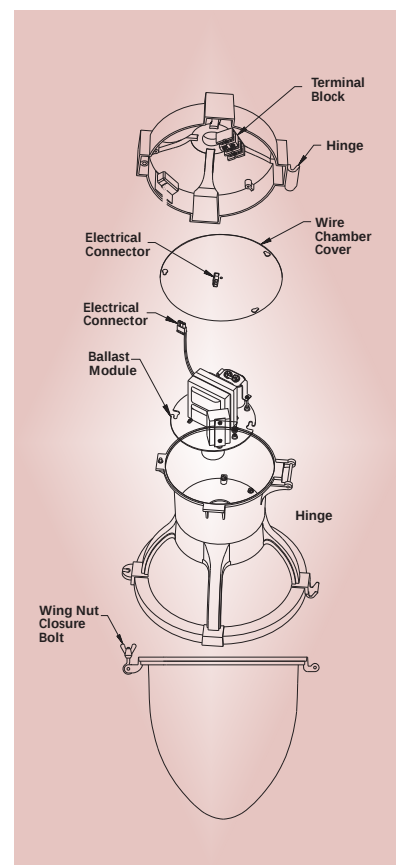


Maximum Weight: 22 kg. 49 lbs.
Maximum EPA: 1.43

ALP | Atlanta Pedestrian



Maximum Weight: 22 kg. 49 lbs.
Maximum EPA: 1.36





DECORATIVE HISTORICAL

Pedestrian Tear Drop Series



Pedestrian
Esplanade



Pedestrian
Memphis



Pedestrian
Crystalite



Pedestrian
Atlanta

6

5

DOOR/OPTICS

- 4 Door with Teardrop Type IV Glass
- 5 Door with Teardrop Type V Glass
- 6 Door with Clear Sag Glass Symmetric
- 7¹ Door with Clear Sag Glass Asymmetric

1 NA with "CRP" or "ALP"



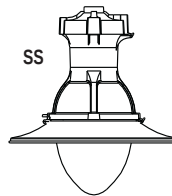
DS

6

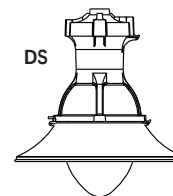
OPTIONS AND ACCESSORIES

- PS Protected Starter for HPS Units
- PR¹ Button Style Photocontrol includes Prismscope®; only available with "ESP" and "CRP"
- SS Decorative Shallow Skirt
- DS Decorative Deep Skirt
- TDSD090² 90° House Side Shield
- TDSD0120² 120° House Side Shield
- TDSD0180² 180° House Side Shield

- 1 NA with 480V
- 2 Teardrop Glass only



SS



DS

Leveling Fitters | Tear Drop Accessories BHLF | WLLF | GWLF

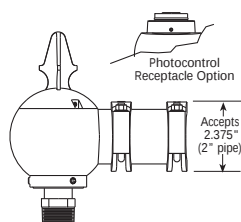
Example: BHLF 200 SCA BK R

Designed to provide appropriate transition from luminaire to the arm/ pole assembly, this collection of decorative fitters allows for mechanical integrity and leveling of luminaires.

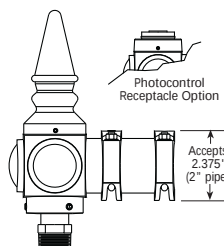
How to Construct a Catalog Number

BHLF	200	SCA	BK	R
1	2	3	4	5
SERIES	MAST ARMS SIZE	MOUNTING/MATERIAL	COLOR	OPTIONS
BHLF Boston Harbour	200 2" (2.375" O.D.)	Cast Aluminum	BK Black	R Photocontrol
WLLF West Liberty		SCA Swivel Version	BZ Bronze	Receptacle (replaces standard top cover) for NEMA Twist-off Photocontrols
GWLF GlasWerks		RCA Rigid Version	GN Green	
			AS As Specified	

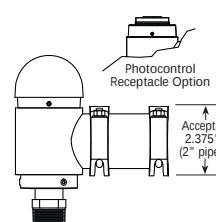
BHLF | Boston Harbour



WLLF | West Liberty



GWLF | GlasWerks



HOLOPHANE®

SPHERES

Prismasphere®

PR

The Prismasphere Series is designed to complement exterior landscape and site architecture by bringing both historically significant and classic Euro-styled elegance to outdoor lighting applications. Specifically, the precisely molded prisms direct the light where it is needed, in a controlled symmetrical distribution, giving significantly enhanced performance. Available in both fully prismatic and clear sphere with internal prismatic optics.

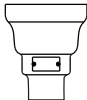
FEATURES:

- Pedestrian-scale
- Acrylic or polycarbonate material
- Prismatic light control
- Fully prismatic or clear sphere choice
- Six decorative housing choices

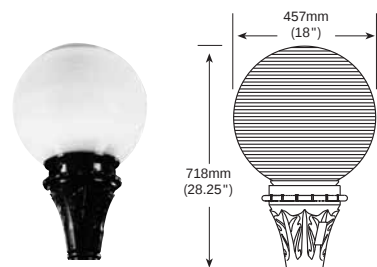
Example: PR 050HP 12 S B N C 1 A F1



How to Construct a Catalog Number

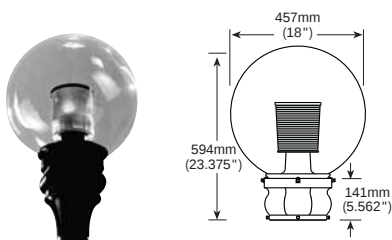
PR		050HP		12	S	B
1		2		3	4	5
LUMINAIRE		SOURCE AND WATTAGE		VOLTAGE		COLOR
PR	Prismasphere	<u>Mogul</u> <u>Base</u> NA 050HP 070HP 100HP 15AHP NA NA NA 175MH NA	<u>Medium</u> <u>Base</u> 35DHP ¹ 35W HPS 50DHP 50W HPS 70DHP 70W HPS 10DHP 100W HPS 15DHP 150W/55V HPS 70DMH ² 70W MH 10DMH ² 100W MH 15DMH ² 150W MH 17DMH 175W MH 20DIN ¹ 200W Inc	12 120V 20 208V 24 240V 27 277V 34 347V 48 480V 08 ¹ 208V 40 ¹ 240V MT Multi-tap <u>Multi-tap, factory wired</u> MA 120V only MB 208V only MC 240V only MD 277V only	S ¹ Simple L ¹ Leaf A ² Arcadian F ² Fluted C ² Convex Octagonal W "W" Style 1 Casting for 3" Tenon 2 Casting for 7" Capital  Simple	B Black Z Bronze N Green A As Specified
		1 120V only 2 "MT" only		1 Isolated secondary, CUL listed		

PR | Prismasphere - Prismatic Version

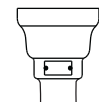


Maximum Weight: 17 kg. 37 lbs.
Maximum EPA: 2.16
Slipfitter for 3" Tenon

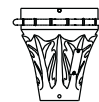
PR | Prismasphere - Clear Version



Maximum Weight: 16 kg. 35 lbs.
Maximum EPA: 2.16
Slipfitter for Post Capital Tenon



Simple



Leaf



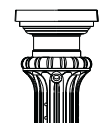
Arcadian



Fluted



Convex



"W" Style



DECORATIVE

HISTORICAL

Spheres

Prismasphere®



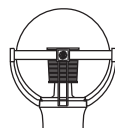
PrismaSphere
with Leaf
housing



Buffalo Place
PrismaSphere
on Fluted
housing



Clear Sphere
with internal
refractor on
Convex housing

N 6	C 7	1 8	A 9	F1 10
REFRACTOR	SPHERE	SPHERE SIZE	SPHERE MATERIAL	OPTIONS AND ACCESSORIES
N No refractor A ¹ Asymmetric M ² Symmetric R ¹ Square 1 NA with 20DIN 2 NA with 20DIN or 175MH	P ¹ Prismatic Outer Sphere L ¹ 18" Opal Outer C ² 18" Clear Outer Sphere B ² 18" Bronze Outer Sphere 1 NA with internal refractor 2 Available with asymmetric (L), symmetric (M) or square (R) refractors	1 18" Diameter	A Acrylic P Polycarbonate	See below BP18RBX 

10 Options and Accessories

PR	Button Style Photocontrol
PS	Protected Starter for HPS Units
H	Button Style Photocontrol and Protected Starter
F1 ¹	Single Fusing for 120, 240 and 277V Units. Ships Separate
F2 ¹	Double Fusing for 208 and 240V Units. Ships Separate
GV1A73X ²	3" to 7" Post Capital. Converts 3" Post Top Tenon to Flared 7" Post Capital. Use Only with "A", "F" or "C" Housings
DTLPR12X ²	Photocontrol Kit for 120V, "S" and "L" Housing Style only or GV1A73 Post Capital
DTLPR20/24/27X ²	Photocontrol Kit for 208, 240 or 277V, "S" and "L" Housing Style only or GV1A73 Post Capital
DTLPR34X ²	Photocontrol Kit for 347V, "S" and "L" Housing Style only or GV1A73 Post Capital
BP18RBX ²	Buffalo Place Ribs and Band

1 Not UL Listed and is not available for 480V or "20DIN"

2 For color insert "B", "Z", "N" or "A" for "X"

The RSL-350 luminaire blends well with traditional or modern architecture. Filigree, scroll, and cupola options give the luminaire a colonial flare while the aluminum housing, ribs, and corrosion resistant hardware ensure low maintenance costs. Its optical system provides high efficiency and uniform surface appearance for low brightness.

AREA/ROADWAY RSL – 350® RP

FEATURES:

- Adaptive appearance
- Superior performance
- Ease of maintenance
- Reliability

Example: RP 35DHP 12 B A3 PS-55



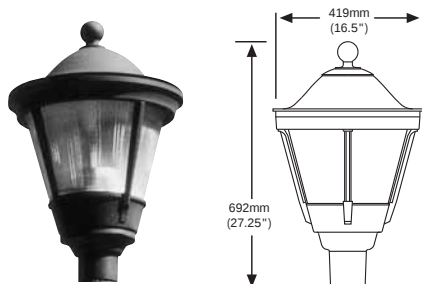
How to Construct a Catalog Number

RP		35DHP		12		B	
1		2		3		4	
LUMINAIRE		SOURCE AND WATTAGE		VOLTAGE		HOUSING COLOR	
RP	RSL-350	<u>Mogul</u> <u>Base</u> NA 050HP ³ 070HP 100HP 15AHP NA NA 175MH	<u>Medium</u> <u>Base</u> 35DHP ^{1,2} 35W HPS 50DHP ³ 50W HPS 070DHP 70W HPS 10DHP 100W HPS 15DHP 150W/55V HPS 70DMH ^{2,4} 70W MH 10DMH ^{2,4} 100W MH 17DMH 175W MH	08 ¹ 208V 12 120V 20 208V 24 240V 27 277V 34 347V 40 ¹ 240V 48 480V MT ² Multi-voltage	A As Specified B Black N Green Z Bronze		
		1 120V only 2 Not CSA Listed 3 Not available with 347V 4 Available with "MT" only		1 Isolated Secondary C/UL 2 120, 208, 240 or 277V			

- 1 120V only
2 Not CSA Listed
3 Not available with 347V
4 Available with "MT" only

- 1 Isolated Secondary C/UL
2 120, 208, 240 or 277V

RP | RSL - 350



Maximum Weight: 524 kg., (52 lbs.)
Maximum EPA: 1.3
Slipfitter for 3" Tenon



DECORATIVE
INFRASTRUCTURE/UTILITY
 Area/Roadway
RSL – 350®



A3

5

OPTICS

Asymmetric Refractor

A3 Acrylic
G3 Glass
P3 Polycarbonate

Symmetric Refractor

A5 Acrylic
P5 Polycarbonate

PS-55

6

ACCESSORIES (SHIPS SEPARATELY)

C	IESNA Cut-off
LAMP	Lamp
PS	Protected Started for HPS
PS-55	Replacement Protected Started 150W HPS and below
RPCPX¹	Decorative Cupola
RPFGX¹	Decorative Filigree
RPDTLPRX¹	Photocontrol Kit for 208, 240 and 277V
RPDTLR12X¹	Photocontrol Kit for 120V
RPPR34X¹	Photocontrol Kit for 347V
RPSCX¹	Decorative Cast Scroll
09251	Photocontrol Receptacle Wire Repair Kit

1 Insert "B"-Black, "N"-Green and "Z"-Bronze for "X" in catalog number

HARP SERIES

Milwaukee & Liberty

MH | LH

This unique luminaire, shaped like that of a "harp", was first seen in the old city streets of Milwaukee, WI. Specifically, the main body piece with refractor is held together by two arms, allowing the luminaire to mount like that of a post top. Furthermore, because the optical device can be oriented in a direction that allows for maximum light coverage for a given area, the Harp is exceptionally versatile.

FEATURES:

- Classic, elegant appearance
- Urban-scale street and pedestrian lighting
- Permanent, durable prismatic glass
- IESNA cutoff
- Ease of maintenance/installation

Example: MH 050HP 12 2 B 6 R



How to Construct a Catalog Number

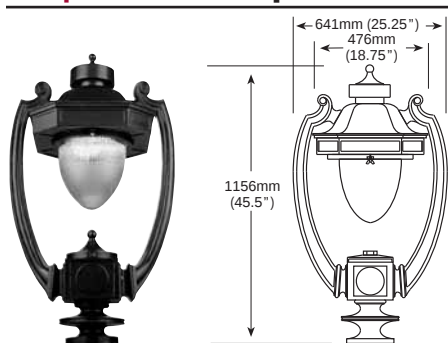
MH		050HP		12	2	B
1		2		3	4	5
LUMINAIRE		SOURCE AND WATTAGE		VOLTAGE	MOUNTING	COLOR
MH	Milwaukee Harp	<u>Mogul</u>	<u>Medium</u>	12	2	B
LH	Liberty Harp	<u>Base</u>	<u>Base</u>	20	2	Z
		NA	35DHP ¹	24	3	N
		050HP	50DHP	27	3	A
		070HP	70DHP	34	3	
		100HP	10DHP	48	3	
		15DHP	15AHP	08 ¹	3	
		NA	70DMH ²	40 ¹	3	
		NA	10DMH ²	MT ²	3	
		NA	15DMH	1	3	
		175MH	17DMH	2	3	
		NA	20DIN		3	

1 120V only
2 "MT" only

1 Isolated secondary, CUL listed
2 Special

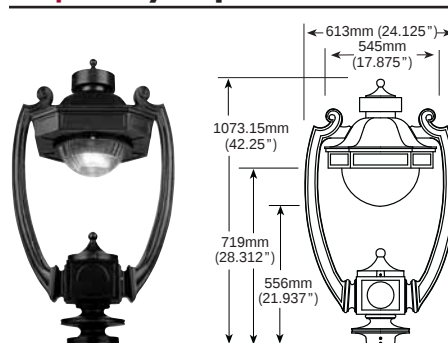


MH | Milwaukee Harp



Maximum Weight: 34 kg. 75 lbs.
Maximum EPA: 3.8
Slipfitter for 2" Tenon

LH | Liberty Harp



Maximum Weight: 34 kg. 75 lbs.
Maximum EPA: 3.8
Slipfitter for 2" Tenon



DECORATIVE HISTORICAL

Harp Series



*Milwaukee
Harp*



Liberty Harp

6

6

OPTICS

MH

4 Type IV, Teardrop Glass

5 Type V¹, Teardrop Glass

LH

2 Type II, Bowl Glass

3 Type III, Bowl Glass

6¹ Type V, Bowl Glass

1 Always use "A" orientation

4, 5



2, 3, 6



B

7

OPTICAL ORIENTATION

A Street Side of Optics
Perpendicular to Harp

B Street Side of Optics
Parallel to Harp

R

8

OPTIONS AND ACCESSORIES

See below

8 Options and Accessories

S	Single Festoon Receptacle Located in Ballast Base Housing. Same Side as Door Hinge
R	NEMA Twist-off Photocontrol Receptacle, Mounted at Top of Luminaire
P	Protected Starter for HPS Units
G	Decorative Gold Windows (Decals)
W	Decorative White Windows (Decals)

LANTERNS

Milwaukee Lantern

ML

FEATURES:

- Classic, elegant appearance
- Urban-scale, boulevard lighting
- Permanent, durable prismatic glass
- IESNA cutoff
- Ease of maintenance and installation

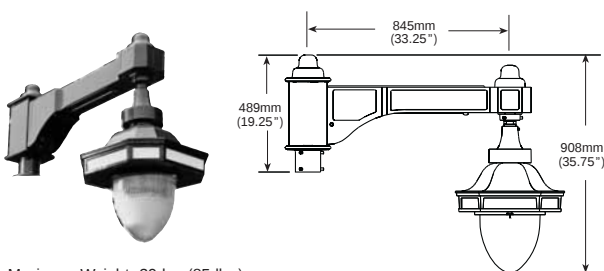
Example: ML 050HP 12 B 3 G



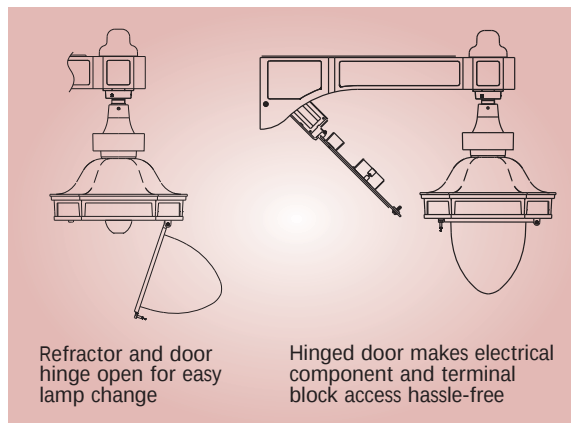
How to Construct a Catalog Number

ML		050HP		12		B	
1		2		3		4	
LUMINAIRE		SOURCE AND WATTAGE		VOLTAGE		COLOR	
ML	Milwaukee Lantern	<u>Mogul Base</u> 050HP 070HP 100HP 15AHP 250HP NA NA NA 175MH 250MH	<u>Medium Base</u> 50DHP ¹ 70DHP 10DHP 15DHP NA 70DMH ² 10DMH ² 15DMH ² 17DMH NA	50W HPS 70W HPS 100W HPS 150W/55V HPS 250W HPS 70W MH 100W MH 150W MH 175W MH 250W MH	12 120V 20 208V 24 240V 27 277V 34 347V 48 480V 08 ¹ 208V 40 ¹ 240V MT ² Multi-tap	B Black Z Bronze N Green A As Specified	
				1 Isolated secondary, CUL listed 2 Special			

ML | Milwaukee Lantern



Maximum Weight: 39 kg. (85 lbs.)
Maximum EPA: 4.3
Slipfitter for 3" Tenon



Refractor and door hinge open for easy lamp change

Hinged door makes electrical component and terminal block access hassle-free



DECORATIVE

HISTORICAL

Lanterns

Milwaukee Lantern



3

5

OPTICS

Asymmetric

- 2 Type II, Bowl Glass
- 3 Type III, Bowl Glass
- 4 Type IV, Teardrop Glass

Symmetric

- 5 Type V, Teardrop Glass
- 6 Type V, Bowl Glass

4, 5



2, 3, 6



G

6

OPTIONS AND ACCESSORIES

- | | |
|-------------------------------|---|
| R | NEMA Twist-off Photocontrol Receptacle, Mounted at Top of Luminaire |
| P | Protected Starter for HPS Units. NA with 208 or 240V |
| G | Decorative Gold Windows (Decals) |
| W | Decorative White Windows (Decals) |
| 09243-1-X¹ | Tenon Adapter for 3" dia. X 4" Tall Tenon (Single unit) |
| 09243-2-X¹ | Tenon Adapter for 3" dia. X 4" Tall Tenon (Two units @ 180°) |
| 09243-2L-X¹ | Tenon Adapter for 3" dia. X 4" Tall Tenon (Two units @ 90°) |

¹ For color insert "B", "N", "Z" or "A" for "X"

HOLOPHANE®

UTILITY SERIES

GranVille® and Washington PostLite®

GVU | WAU

For many years, utilities have been faced with the dilemma of providing the diverse styles of lighting products desired by their customers, while at the same time controlling the number of products with different component requirements. The Holophane Utility Series solves this dilemma by offering a variety of decorative luminaire styles on the same unitized base housing, which also includes a unique electrical module allowing for simplified maintenance.

FEATURES:

- Variety of style choices
- Superior construction
- Prismatic light control
- M-housing for ease of maintenance
- Ease of maintenance:
 - Unitized ballast tray
 - NEMA twist-off photocontrol
 - Terminal block
 - Tool-less features

Example: GVU 050HP 12 B 6 R E G T

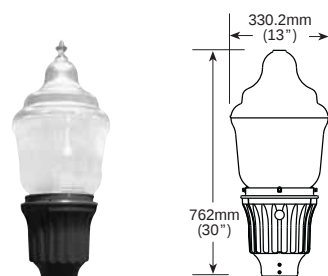


How to Construct a Catalog Number

GVU	050HP	12	B	6
1	2	3	4	5
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	FINISH	OPTICS
GVU Utility GranVille WAU Utility Washington PostLite (Glass)	Mogul Base 050HP 50DHP 50W HPS 070HP 70DHP 70W HPS 100HP 10DHP 100W HPS 15AHP 15DHP 150W/55V HPS NA 70DMH ¹ 70W MH NA 10DMH ¹ 100W MH NA 15DMH ¹ 150W MH 175MH 17DMH 175W MH Induction 055QL NA 55W QL 085QL NA 85W QL 165QL NA 165W QL	12 120V 20 208V 24 240V 27 277V 34 ¹ 347V 48 ¹ 480V Multi-tap, factory wired MA ¹ 120V only MB ¹ 208V only MC ¹ 240V only MD ¹ 277V only 1 Not available with QL	B Black Z Bronze N Green A As specified	Asymmetric 3 Type III 4 Type IV 6 Type II, Lunar Optics® 7 Type III, Lunar Optics® Symmetric 5 Type V 8 Type V - Lunar Optics®

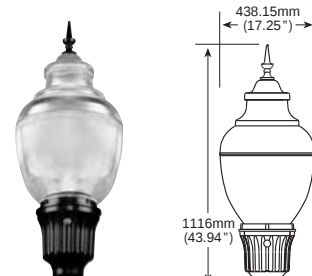


GVU | Utility GranVille

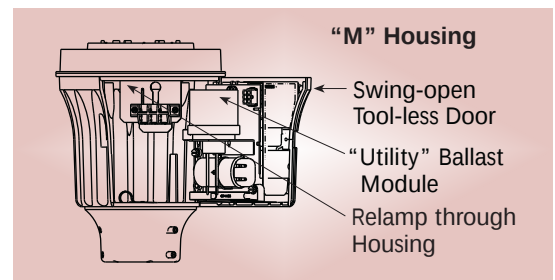


Maximum Weight: 21 kg. (47 lbs.)
Maximum EPA: 1.38
Slipfitter for 3" Tenon

WAU | Utility Washington Postlite (Glass)



Maximum Weight: 29.4 kg. (65 lbs.)
Maximum EPA: 2.26
Slipfitter for 3" Tenon



DECORATIVE

HISTORICAL

Utility Series



Utility
GranVille



Utility
Washington
PostLite (Glass)

R

6

TRIM OR TRIM COLOR

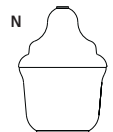
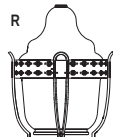
GVU Trim

- N None
- R Ribs and Bands
- S Syracuse Style with Cover

WAU Decorative Trim Color

- B Black
- Z Bronze
- N Green
- G Gold
- A As Specified

GranVille



Syracuse



E

7

FINIAL/DECORATIVE TRIM

GVU Finial

Painted Cast Aluminum

- B Ball
- E Eagle
- F Flower
- P Pawn
- R Cross
- S Standard

Other

- C Clear Acrylic, 3"
- N None



Ball



Eagle



Flower



Pawn



Cross



Standard



Clear

WAU Decorative Trim

- 1 Bud Finial, Band, Medallions
- 2 Spike Finial, Band, Medallions
- 3 Bud Finial
- 4 Spike Finial
- 5 Bud Finial, Band and Ribs
- 6 Spike Finial, Band and Ribs
- 7 Ornate Finial, Band and Medallions
- 8 Ornate Finial
- 9 Ornate Finial, Band and Ribs



Bud



Spike



Ornate

G

8

TRIM FINISH

GVU

- B Black
- G Gold
- N Green
- Z Bronze
- U¹ No Trim Necessary
- A As Specified

1 NA with "WAU"

T

9

OPTIONS AND ACCESSORIES

See below

9 Options and Accessories

GVU Options

- P Protected Starter for HPS Units
- H NEMA Twist-off Photocontrol Receptacle. Photocell Not Included
- T Both NEMA Twist-off Photocontrol Receptacle and Protected Starter Together for HPS Units Only
- FCOVX Full Decorative Aluminum Cover
- MCOVX Mayfield Decorative Cover (Covers 2/3 of the reflector)

WAU Options

- P Protected Starter for HPS Units
- H NEMA Twist-off Photocontrol Receptacle. Photocell Not Included. NA 480V
- T Both NEMA Twist-off Photocontrol Receptacle and Protected Starter Together for HPS Units Only
- F Full Decorative Aluminum Cover (Covers 2/3 of reflector)
- S Shorwood Decorative Cover (Covers 2/3 of reflector)

WAU Accessories

- Lamp Ship Appropriate Lamp
- IG-5 Plug-in Replacement Starter for HPS Units
- IG-6 Plug-in Replacement Protected Starter for HPS Units
- IG-7 Plug-in Replacement Starter for 70, 10 and 15DMH Units
- F1³ Single Fusing for 120, 240 and 277V Units. Ships Separate
- F2³ Double Fusing for 208 and 240V Units. Ships Separate
- RBMX¹ Field Installed Ribs, Band and Medallions Kit. For Use With Units Without Factory Installed Medallions and Band. ("N" in step #6)
- WHS090² Internal House Side Shield, 90°
- WHS120² Internal House Side Shield, 120°
- WHS180² Internal House Side Shield, 180°

1 For color insert "B", "G", "N", "Z", "U" or "A" for "X"

2 Mogul Base Only

3 NA on WAU

HOLOPHANE®

UTILITY SERIES

Prismasphere® and Acrylic Washington

AWU | PSU

For many years, utilities have been faced with the dilemma of providing the diverse styles of lighting products desired by their customers, while at the same time controlling the number of products with different component requirements. The Holophane Utility Series solves this dilemma by offering a variety of decorative luminaire styles, on the same unitized base housing, which also includes a unique electrical module allowing for simplified maintenance.

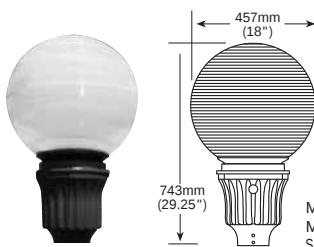
FEATURES:

- Variety of style choices
- Superior construction
- Prismatic light control
- M-housing for ease of maintenance
- Ease of maintenance:
 - Unitized ballast tray
 - NEMA twist-off photocontrol
 - Terminal block
 - Tool-less features



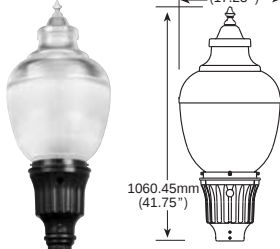
Example: PSU 050HP 12 B A 1 A P

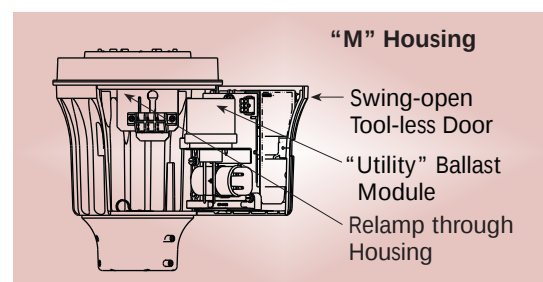
How to Construct a Catalog Number

PSU		050HP		12		B	
1		2		3		4	
LUMINAIRE		SOURCE AND WATTAGE		VOLTAGE		FINISH	
PSU	Utility Prismasphere						
PSU Utility Prismasphere							
							
Maximum Weight: 20 kg. (43 lbs.)							
Maximum EPA: 1.72							
Slipfitter for 3" Tenon							
				</			

Example: AWU 050HP 12 B 6 M E G TR

How to Construct a Catalog Number

AWU		050HP		12	B	6	
1		2		3	4	5	
LUMINAIRE		SOURCE AND WATTAGE		VOLTAGE		FINISH	
AWU Acrylic Utility Washington		<u>Mogul</u> <u>Base</u> 050HP 50DHP 50W HPS 070HP 70DHP 70W HPS 100HP 10DHP 100W HPS 15AHP 15DHP 150W/55V HPS NA 70DMH ¹ 70W MH NA 10DMH ¹ 100W MH NA 15DMH ¹ 150W MH 175MH 17DMH 175W MH 100MV NA 100W MV		12 120V 20 208V 24 240V 27 277V 34 347V 48 480V 08 ¹ 208V 40 ¹ 240V MT Multi-tap <u>Multi-tap, factory wired</u> MA 120V only MB 208V only MC 240V only MD 277V only 1 Isolated secondary, CUL listed		B Black Z Bronze N Green A As Specified D RAL 6005 E RAL 6008 F RAL 6009 H RAL 6012	
						<u>Asymmetric</u> 3 Type III 4 Type IV 6 ¹ Type VI - Narrow Lunar Optics® 7 ¹ Type VII - Wide Lunar Optics® <u>Symmetric</u> 5 Type V 8 ¹ Type VIII - Lunar Optics® 1 175W max on "AWU"	
Maximum Weight: 16.8 kg. (37 lbs) Maximum EPA: 2.19 Slipfitter for 3" Tenon						 IESNA Cutoff	
						"M" Housing	



DECORATIVE HISTORICAL

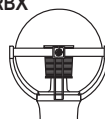
Utility Series



Utility
Prismsphere



Acrylic Utility
Washington
PostLite

A		1		A		P	
5		6		7		8	
INNER REFRACTOR		SPHERE TYPE AND SIZE		SPHERE MATERIAL		OPTIONS AND ACCESSORIES	
A	Asymmetric Distribution	1 ¹	20" Bronze	A	Acrylic	See below BP18RBX	
M	Symmetric Distribution	2 ¹	20" Clear	P	Polycarbonate		
R	Square Distribution	3 ²	20" Opal				
N	No Refractor Used.	4 ²	18" Prismatic				
		1 Available with Asymmetric, Symmetric or Square Refractors					
		2 NA with Internal Refractor					

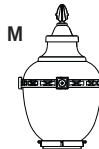
9 Options and Accessories

P ³	Protected Starter for HPS Units; NA with 120V or 240V
H	NEMA Twist-off Photocontrol Receptacle in door assembly (Does not include photocontrol)
T	Both NEMA Twist-off Photocontrol Receptacle and Protected Starter Together for HPS Units Only
BP18RBX	Buffalo Place ribs and band available on the 18" Prismatic Sphere only

1 For color insert "B", "G", "N", "Z", "U" or "A" for "X"

2 Mogul Base Only

3 For color insert "B", "G", "N", "Z" or "A" for "X"

M		E		G		TR	
6		7		8		9	
TRIM		FINIAL/DECORATIVE TRIM		TRIM FINISH		OPTIONS AND ACCESSORIES	
M	Band and Medallions only	Painted Cast Aluminum		B	Black	See below RBMX	
N	None	Other		G	Gold		
F	Full Decorative Painted Cover	B	Ball	N	Green		
D	Full Decorative Painted Cover with Band and Medallions only	E	Eagle	Z	Bronze		
		K	Knurled	U	No Trim Necessary		
		P	Pawn	A	As Specified		
		R	Cross				
		S	Standard				
		C	Clear Acrylic, 3"				
		N	None				
			Ball				
			Eagle				
			Flower				
			Knurled				
			Pawn				
			Cross				
			Standard				
			Clear				

9 Options and Accessories

H	NEMA Twist-off Photocontrol Receptacle. Photo Cell Not Included (120-480V)
P	Protected Starter for HPS Units
TR	Top Re-lamping Access
TB	Tucson Style (Acrylic black top) Maximum 150W HPS and 175W MH (NA with "F" or "D" trim)
Lamp	Ship Appropriate Lamp
IG-5	Plug-in Replacement Starter for HPS Units
IG-6	Plug-in Replacement Protected Starter for HPS Units
IG-7	Plug-in Replacement Starter for 70, 10 and 15DMH Units
F1	Single Fusing for 120, 240 and 277V Units. Ships Separate
F2	Double Fusing for 208 and 240V Units. Ships Separate
RBMX ¹	Field Installed Ribs, Band and Medallions Kit. For Units Without Factory Installed Medallions and Band. ("N" in step #6)
WHS090 ²	Internal House Side Shield, 90°
WHS120 ²	Internal House Side Shield, 120°
WHS180 ²	Internal House Side Shield, 180°

1 For color insert "B", "G", "N", "Z", "U" or "A" for "X"

2 Mogul Base Only

HOLOPHANE®

UTILITY SERIES

Arlington®, Dorchester®,
Jefferson and Postop

ARU | DCU | JFU | PTU

For many years, utilities have been faced with the dilemma of providing the diverse styles of lighting products desired by their customers, while at the same time controlling the number of products with different component requirements. The Holophane Utility Series solves this dilemma by offering a variety of decorative luminaire styles, on the same unitized base housing, which also includes a unique electrical module allowing for simplified maintenance.

FEATURES:

- Variety of style choices
- Superior construction
- Prismatic light control
- Cutoff optics option
- M-housing for ease of maintenance
- Ease of maintenance:
 - Unitized ballast tray
 - NEMA twist-off photocontrol
 - Terminal block
 - Tool-less features

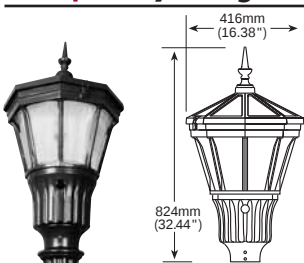
Example: ARU 050HP 12 B G3 P



How to Construct a Catalog Number

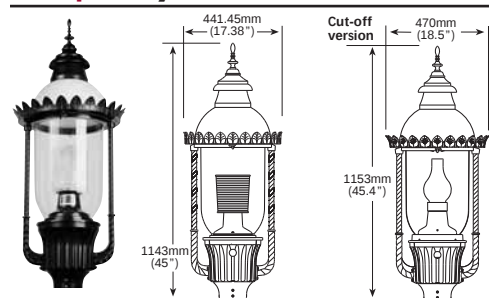
ARU	050HP	12	B
1	2	3	4
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	FINISH
ARU Utility Arlington	<u>Mogul</u> <u>Medium</u>	08 ¹ 208V	B Black
DCU Utility Dorchester	<u>Base</u> <u>Base</u>	12 120V	Z Bronze
JFU Utility Jefferson	050HP ¹ 50DHP ¹ 50W HPS	20 208V	N Green
	070HP 70DHP 70W HPS	24 240V	A As Specified
	100HP 10DHP 100W HPS	27 277V	D RAL 6005
	15AHP 15DHP 150W/55V HPS	34 347V	E RAL 6008
	NA 70DMH ² 70W MH	40 ¹ 240V	F RAL 6009
	NA 10DMH ² 100W MH	48 480V	H RAL 6012
	NA 15DMH ² 150W MH	MT Multi-tap	
	175MH 17DMH 175W MH	<u>Multi-tap, factory wired</u>	
	NA 175PM 175W MH	MA 120V only	
		MB 208V only	
		MC 240V only	
		MD 277V only	

ARU | Utility Arlington



Maximum Weight: 21 kg. (47 lbs.)
Maximum EPA: 1.38; Slipfitter for 3" Tenon

DCU | Utility Dorchester



Maximum Weight: 21 kg. (47 lbs.)
Maximum EPA: 1.38; Slipfitter for 3" Tenon

Example: PTU 050HP 12 B G3 B P

How to Construct a Catalog Number

PTU	050HP	12	B
1	2	3	4
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	FINISH
PTU Utility Postop	<u>Mogul</u> <u>Medium</u>	08 ¹ 208V	B Black
	<u>Base</u> <u>Base</u>	12 120V	Z Bronze
	050HP ¹ 50DHP ¹ 50W HPS	20 208V	N Green
	070HP 70DHP 70W HPS	24 240V	A As Specified
	100HP 10DHP 100W HPS	27 277V	D RAL 6005
	15AHP 15DHP 150W/55V HPS	34 347V	E RAL 6008
	NA 70DMH ² 70W MH	40 ¹ 480V	F RAL 6009
	NA 10DMH ² 100W MH	48 480V	H RAL 6012
	NA 15DMH ² 150W MH	MT Multi-tap	
	175MH 17DMH 175W MH	<u>Multi-tap, factory wired</u>	
		MA 120V only	
		MB 208V only	
		MC 240V only	
		MD 277V only	

PTU | Utility Postop



Maximum Weight: 21 kg. (47 lbs.)
Maximum EPA: 1.38
Slipfitter for 3" Tenon

DECORATIVE HISTORICAL

Utility Series



G3

5

OPTICS

ARU-JFU

Asymmetric

G3 Glass Refractor

A3¹ Acrylic Refractor

P3¹ Polycarbonate Refractor

Symmetric

A5¹ Acrylic Refractor

P5¹ Polycarbonate Refractor

DCU

A Asymmetric Distribution

M Symmetric Distribution

R Square Distribution

B Asymmetric Cutoff

C Symmetric Cutoff

¹ NA with 250MV

P

6

OPTIONS AND ACCESSORIES

Options

C

H

P

PCTWSTL120

PCTWSTL12202427

PCTWSTL480

PCTWSTSHRTCAP

LEADS3FT10GA

Accessories

LAMP

IG-5

IG-6

IG-7

IESNA Cut-off

NEMA Twist-off Photocontrol Receptacle. Photocell Not Included

Protected Starter for HPS Units

DTL Twist-off Photocontrol 120V

DTL Twist-off Photocontrol 120-277V

DTL Twist-off Photocontrol 480V

Shorting cap

3 ft. Prewired leads

Appropriate Lamp Shipped

Plug-in Replacement Starter for HPS Units

Plug-in Replacement Protected Starter for HPS Units

Plug-in Replacement Starter Kit for 70DMH, 10DMH and 15DMH

Utility
Arlington



Utility
Jefferson



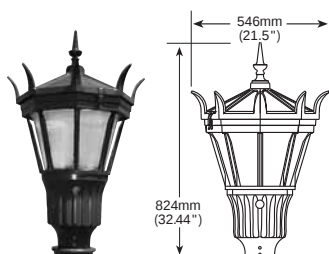
Utility
Dorchester



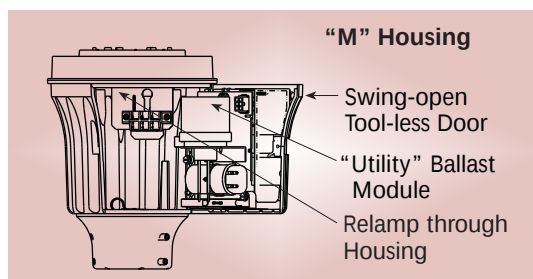
Utility
Postop



JFU | Utility Jefferson



Maximum Weight: 22 kg. (48 lbs.)
Maximum EPA: 1.48; Slipfitter for 3" Tenon



G3

5

OPTICS

Asymmetric

G3 Glass Refractor

A3¹ Acrylic Refractor

P3¹ Polycarbonate Refractor

Symmetric

A5¹ Acrylic Refractor

P5¹ Polycarbonate Refractor

¹ NA with 250MV

B

6

FINIAL TYPE

B Ball Style

S Spike Style

P

7

OPTIONS AND ACCESSORIES

Options

C

H

P

PCTWSTL120

PCTWSTL12202427

PCTWSTL480

PCTWSTSHRTCAP

LEADS3FT10GA

Accessories

LAMP

IG-5

IG-6

IG-7

IESNA Cut-off

NEMA Twist-off Photocontrol

Receptacle. Photocell Not Included

Protected Starter for HPS Units

DTL Twist-off Photocontrol 120V

DTL Twist-off Photocontrol 120-277V

DTL Twist-off Photocontrol 480V

Shorting Cap

3 ft. Prewired Leads

Appropriate Lamp Shipped

Plug-in Replacement Starter for HPS

Units

Plug-in Replacement Protected Starter

for HPS Units

Plug-in Replacement Starter Kit for

70DMH, 10DMH and 15DMH

UTILITY SERIES

Minuteman Lantern

LU

For many years, utilities have been faced with the dilemma of providing the diverse styles of lighting products desired by their customers, while at the same time controlling the number of products with different component requirements. The Holophane Utility Series solves this dilemma by offering a variety of decorative luminaire styles, on the same unitized base housing, which also includes a unique electrical module allowing for simplified maintenance.

FEATURES:

- Variety of style choices
- Superior construction
- Prismatic light control
- Full cutoff optics capabilities
- Ease of maintenance:
 - Unitized ballast tray
 - NEMA twist-off photocontrol
 - Terminal block
 - Tool-less features

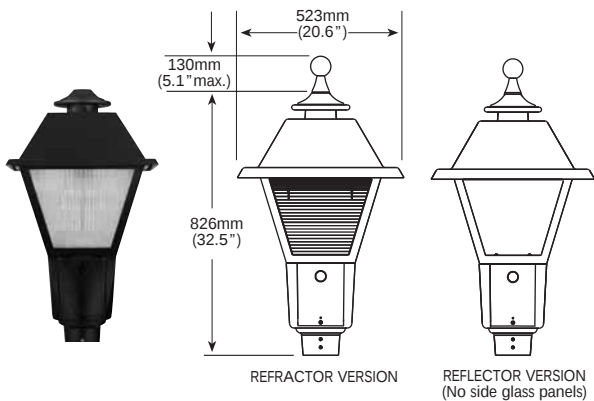
Example: LU 050HP 12 S 2 B R



How to Construct a Catalog Number

LU		050HP		12		S	
1		2		3		4	
LUMINAIRE		SOURCE AND WATTAGE		VOLTAGE		FINIALS	
LU	Utility Minuteman Lantern	<u>Mogul Base</u> 050HP ¹ 070HP ² 100HP ² 15AHP ² NA NA NA 175MH ² 250MH ^{2,4} <u>Induction - 30°C Ambient Only</u> 055QL ^{2,3,4} 085QL ^{2,3,4} <u>Incandescent</u> 20DIN ⁵ <u>Fluorescent</u> 42CFL ^{2,6} 57CFL ^{2,6} 70CFL ^{2,6}	<u>Medium Base</u> 50DHP ¹ 70DHP 100W HPS 150W/55V HPS 70W MH 100W MH 150W MH 175W MH 250W MH <				

LU | Utility Minuteman Lantern



Slipfitter for 3" Tenon

**DECORATIVE
HISTORICAL**

Utility Series



Utility
Minuteman Lantern

2

5

OPTICS

Asymmetric

- 1** Glass Refractor
- 3** Sealed Reflector, no Glass Panels

Symmetric

- 2** Glass Refractor, Square Distribution
- 4** Sealed Reflector, Square Distribution, no Glass Panels

B

6

HOUSING COLOR

- A** As specified
- B** Black
- H** Graphite
- L** Dark blue
- M** Brown metallic
- N** Green
- W** White
- Z** Bronze

R

7

OPTIONS AND ACCESSORIES

See below

7 Options and Accessories

R	NEMA Twist-off Photocontrol Receptacle
P	Protected Starter
T	NEMA Twist-off Photocontrol Receptacle and Protected Starter together
NEMA050HP	NEMA Label 50 HPS
NEMA070HP	NEMA Label 70 HPS
NEMA100HP	NEMA Label 100 HPS
NEMA150HP	NEMA Label 150 HPS
NEMA070MH	NEMA Label 70 MH
NEMA100MH	NEMA Label 100 MH
NEMA150MH	NEMA Label 150 MH
NEMA175MH	NEMA Label 175 MH
PCTWSTL120	DTL Twist-off Photocontrol 120V
PCTWSTL12202427	DTL Twist-off Photocontrol 120-277V
PCTWSTL480	DTL Twist-off Photocontrol 480V
PCTWSTSHRTCAP	Shorting Cap
Accessories	
LAMP	Appropriate Lamp Shipped
IG-5	Plug-in Replacement Starter for HPS Units
IG-6	Plug-in Replacement Protected Starter for HPS Units
IG-7	Plug-in Replacement Starter Kit for 70DMH, 10DMH and 15DMH

This wonderful collection of distinctive decorative bollards offers a variety of choices to accent any outdoor lighting project. The styles are designed to complement the full line of decorative posts by transitioning flawlessly from the street to the pedestrian walkway.

DECORATIVE CAST ALUMINUM BOLLARDS Nonlighted Bollards

**BOL/BL | CH | CP | C
H | M | NY | P | PT | S | W**

FEATURES:

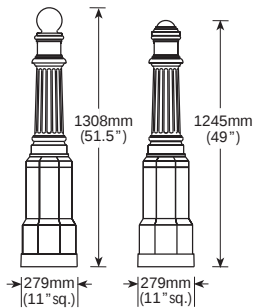
- Eleven distinctive styles
- Styled to match decorative posts
- Superior construction
- Premium factory finish
- Fine ornamental detail

Example: BOL/BL 49/11/DT CA DG

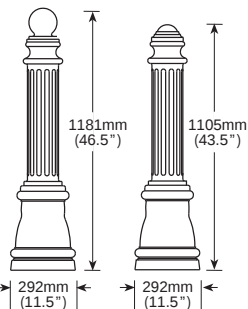
How to Construct a Catalog Number

BOL/BL	49/11/DT	CA
1	2	3
STYLE NAME	DIMENSIONS/TOP TYPE	MATERIAL
BOL/BL Burlington BOL/CH Charleston BOL/CP Chesapeake BOL/C Columbia BOL/H Hamilton BOL/M Mount Vernon BOL/NY North Yorkshire BOL/P Plymouth BOL/PT Princeton BOL/S Salem BOL/W Wadsworth	Burlington 49/11/DT 4'-1" Height, 11" Square Base, Dome Top 52/11/BT 4'-3.5" Height, 11" Square Base, Ball Top Charleston 44/12/DT 3'-7.5" Height, 11.5" Diameter Base, Dome Top 47/12/BT 3'-10.5" Height, 11.5" Diameter Base, Ball Top Chesapeake 43/18 3'-6.5" Height, 18.5" Diameter Base Columbia 43/13 3'-7" Height, 13" Diameter Base Hamilton 45/10 3'-9" Height, 10" Diameter Base Mount Vernon 30/12/DT 2'-5.5" Height, 11.5" Diameter Base, Dome Top 32/12/BT 2'-8" Height, 11.5" Diameter Base, Ball Top North Yorkshire 44/17/DT 3'-7.5" Height, 17" Diameter Base, Dome Top 47/17/BT 3'-10.5" Height, 17" Diameter Base, Ball Top Plymouth 29/10/DT 2'-5" Height, 10" Square Base, Dome Top 32/10/BT 2'-8" Height, 10" Square Base, Ball Top Princeton 44/18/DT 3'-7.5" Height, 18" Hex Base, Dome Top 47/18/BT 3'-10.5" Height, 18" Hex Base, Ball Top Salem 30/9/DT 2'-5.5" Height, 9" Square Base, Dome Top 32/9/BT 2'-8" Height, 9" Square Base, Ball Top Wadsworth 39/14/DT 3'-3" Height, 14" Diameter Base, Dome Top 42/14/BT 3'-6" Height, 14" Diameter Base, Ball Top	CA Cast Aluminum

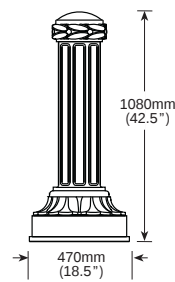
BOL/BL | Burlington



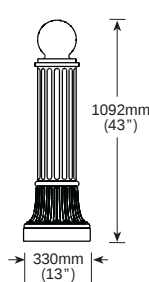
BOL/CH | Charleston



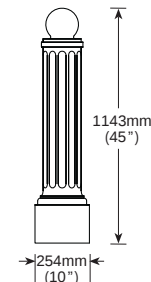
BOL/CP | Chesapeake



BOL/C | Columbia



BOL/H | Hamilton





DECORATIVE

HISTORICAL

Decorative Cast
Aluminum Bollards
Nonlighted
Bollards



Wadsworth

DG

4

FINISH

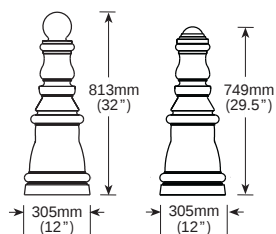
BK	Black
DB	Bronze
DG	Green
PP	Prime Painted
CC	Custom Color

5

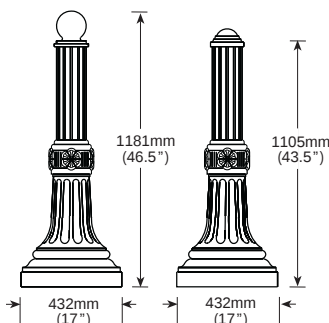
ACCESSORIES

Eyebolt, Weatherproof Receptacle (Mounted inside the base), Direct Burial Base, Custom Logo (Cast into access door) - Contact factory

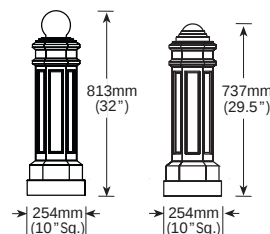
BOL/M | Mount Vernon



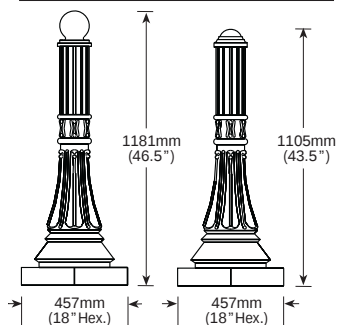
BOL/NY | North Yorkshire



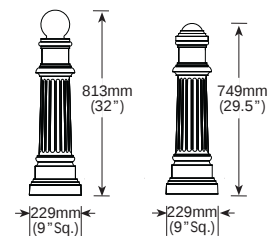
BOL/P | Plymouth



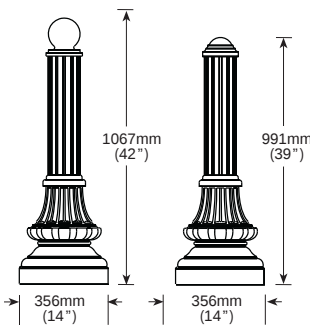
BOL/PT | Princeton



BOL/S | Salem



BOL/W | Wadsworth



This wonderful collection of distinctive, lighted bollards offers a variety of choices to accent any outdoor lighting project. The styles are designed to complement the full line of decorative posts by transitioning flawlessly from the street to the pedestrian walkway for which they are intended. The added function of pathway lighting is accomplished by the low-wattage HID source offering.

DECORATIVE CAST ALUMINUM BOLLARDS Lighted Bollards

BOL/CH | CP | C | H NY | P | PT | W

FEATURES:

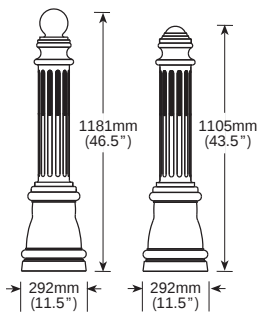
- Low-wattage HID sources
- Eight distinctive styles
- Styled to complement decorative posts
- Superior construction
- Premium factory finish
- Fine ornamental detail

Example: BOL/CH 44/12/DTL CA DG H50 12 F1

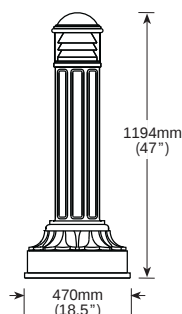
How to Construct a Catalog Number

BOL/CH	44/12/DTL	CA	DG
1	2	3	4
STYLE NAME	DIMENSIONS/TOP TYPE	MATERIAL	FINISH
BOL/CH Charleston	<u>Charleston</u> 44/12/DTL 3'-7.5" Height, 11.5" Diameter Base, Dome Top 47/12/BTL 3'-10.5" Height, 11.5" Diameter Base, Ball Top	CA Cast Aluminum	BK Black DB Bronze DG Green PP Prime Painted CC Custom Color
BOL/CP Chesapeake	<u>Chesapeake</u> 47/18/L 3'-11" Height, Clear Lens, 18.5" Diameter Base 47/18/LW 3'-11" Height, White Lens, 18.5" Diameter Base		
BOL/C Columbia	<u>Columbia</u> 44/13/L 3'-8" Height, Clear Lens, 13" Diameter Base 44/13/LW 3'-8" Height, White Lens, 13" Diameter Base		
BOL/H Hamilton	<u>Hamilton</u> 46/10/L 3'-10" Height, Clear Lens, 10" Diameter Base 46/10/LW 3'-10" Height, White Lens, 10" Diameter Base		
BOL/NY North Yorkshire	<u>North Yorkshire</u> 44/17/DTL 3'-7.5" Height, Clear Lens, 17" Diameter Base, Dome Top 47/17/BTL 3'-10.5" Height, Clear Lens, 17" Diameter Base, Ball Top		
BOL/P Plymouth	<u>Plymouth</u> 36/10/L 3' Height, Clear Lens, 10" Square Base, Dome Top 36/10/LW 3' Height, White Lens, 10" Square Base, Ball Top		
BOL/PT Princeton	<u>Princeton</u> 44/18FB/DTL 3'-7.5" Height, 18" Fluted Hex Base, Dome Top 44/18FB/BTL 3'-10.5" Height, 18" Fluted Hex Base, Ball Top 42/18/DTL 3'-5.5" Height, 18" Hex Base, Dome Top 45/18/BTL 3'-8.5" Height, 18" Hex Base, Ball Top		
BOL/W Wadsworth	<u>Wadsworth</u> 39/14/DTL 3'-3" Height, 14" Diameter Base, Dome Top 42/14/BTL 3'-6" Height, 14" Diameter Base, Ball Top		

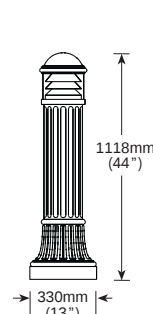
BOL/CH | Charleston



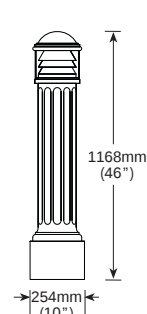
BOL/CP | Chesapeake



BOL/C | Columbia



BOL/H | Hamilton





DECORATIVE HISTORICAL

Decorative Cast
Aluminum Bollards

Lighted Bollards



Princeton

H50

5

SOURCE AND WATTAGE

S35	35W HPS
S70	70W HPS
S100	100W HPS
M50	50W MH
M70	70W MH
M100	100W MH
H50	50W MV
H75	75W MV
H100	100W MV

12

6

VOLTAGE

12	120V
20	208V
24	240V
27	277V
34	347V
48	480V
MT	Multi-tap

F1

7

OPTIONS AND ACCESSORIES

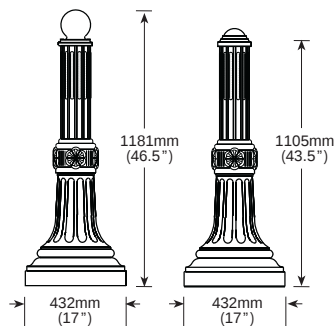
HSS	House Side Shield
PEC	Photocontrol 120V
PEC2	Photocontrol 208, 240, 277V
F1	Single Fusing 120, 240, 277V
F2	Double Fusing 208, 240, 480V
V ¹	Borosilicate Glass Refractor with an IESNA Type V
III ¹	Borosilicate Glass Refractor with an IESNA Type III Distribution

Accessories

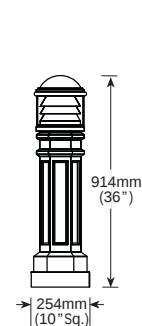
Eyebolt, Weatherproof Receptacle (Mounted inside the base), Direct Burial Base, Custom Logo (Cast into access door) - Contact factory

1 NA with BOL/CH, BOL/NY, BOL/PT or BOL/W

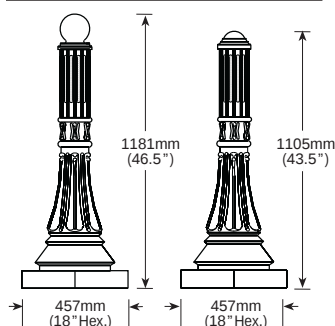
BOL/NY | North Yorkshire



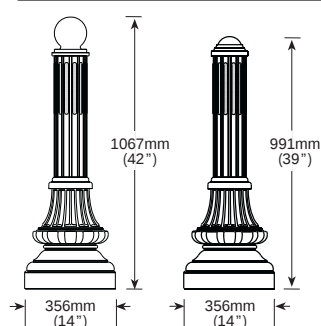
BOL/P | Plymouth



BOL/PT | Princeton



BOL/W | Wadsworth



This historically significant authentic cast iron collection is reminiscent of years past. Styles are designed to complement the full line of decorative posts by transitioning flawlessly from the street to the pedestrian walkway. In addition, the strength of cast iron allows for a mechanically sound structure with years of reliability.

DECORATIVE CAST IRON BOLLARDS Nonlighted Bollards

**BOL/CP | C | NA | NY
PC | SG**

FEATURES:

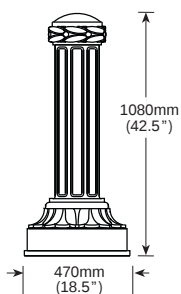
- Authentic cast iron construction
- Permanent material
- Styled to complement decorative posts
- Six distinctive styles

Example: BOL/CP 43/18 CI PP

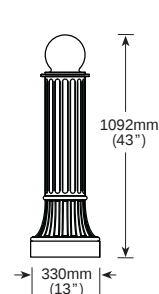
How to Construct a Catalog Number

BOL/CP		43/18	CI
1	2	3	
STYLE NAME	DIMENSIONS/TOP TYPE	MATERIAL	
BOL/CP Chesapeake	<u>Chesapeake</u>	CI Cast Iron	
BOL/C Columbia	<u>43/18</u> 3'-7" Height, 18.5" Diameter Base		
BOL/NA Nautical	<u>Columbia</u>		
BOL/NY North Yorkshire	<u>43/13</u> 3"-7" Height, 13" Diameter Base		
BOL/PC Potomac	<u>Nautical</u>		
BOL/SG South Gate	<u>39/13</u> 3'-3" Height, 13" Square Base		
	<u>North Yorkshire</u>		
	<u>43/20</u> 3'-7" Height, 20" Diameter Base, Ball Top only		
	<u>Potomac</u>		
	<u>43/12</u> 3'-7" Height, 12" Square Base		
	<u>South Gate</u>		
	<u>30/11/DT</u> 2'-6" Height, 11" Octagonal Base, Dome Top		
	<u>33/11/BT</u> 2'-9" Height, 11" Octagonal Base, Ball Top		

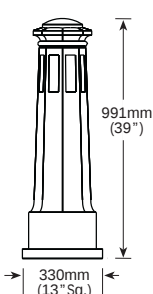
BOL/CP | Chesapeake



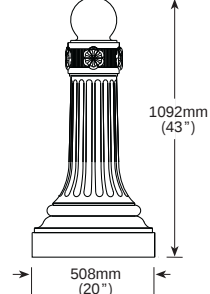
BOL/C | Columbia



BOL/NA | Nautical



BOL/NY | North Yorkshire





DECORATIVE

HISTORICAL

Decorative Cast Iron
Bollards

Nonlighted Cast Iron Bollards

PP

4

FINISH

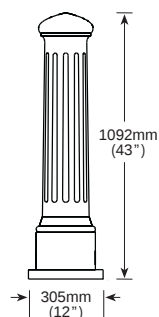
BK	Black
DB	Bronze
DG	Green
PP	Prime Painted
CC	Custom Color

5

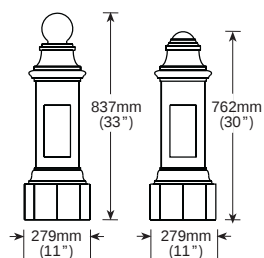
ACCESSORIES

Eyebolt, Weatherproof Receptacle (Mounted inside the base), Direct Burial Base, Custom Logo (Cast into access door) - Contact factory

BOL/PC | Potomac



BOL/SG | South Gate



This historically significant authentic cast iron collection is reminiscent of years past. Styles are designed to complement the full line of decorative posts by transitioning flawlessly from the street to the pedestrian walkway. In addition, the strength of cast iron allows for a mechanical sound structure with years of reliability. The added option of a low-wattage HID light source can safely accent any pedestrian walkway.

DECORATIVE CAST IRON BOLLARDS Lighted Bollards

BOL/CP | C | FP NA | NY

FEATURES:

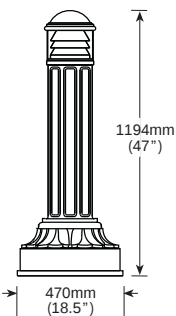
- Low-wattage HID light sources
- Authentic cast iron construction
- Styled to complement decorative posts
- Five decorative styles
- Permanent material

Example: BOL/CP 47/18L CI PP H50 12 F1

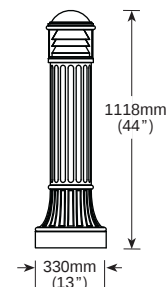
How to Construct a Catalog Number

BOL/CP	47/18L	CI	PP
1	2	3	4
STYLE NAME	DIMENSIONS/TOP TYPE	MATERIAL	FINISH
BOL/CP Chesapeake	<u>Chesapeake</u>	CI Cast Iron	BK Black
BOL/C Columbia	47/18/L 3'-11" Height, Clear Lens, 18.5" Diameter Base		DB Bronze
BOL/FP Freeport	47/18/LW 3'-11" Height, White Lens, 18.5" Diameter Base		DG Green
BOL/NA Nautical	<u>Columbia</u>		PP Prime Painted
BOL/NY North Yorkshire	44/13/L 3'-8" Height, Clear Lens, 13" Diameter Base		CC Custom Color
	44/13/LW 3'-8" Height, White Lens, 13" Diameter Base		
	<u>Freeport</u>		
	45/13/L 3'-9" Height, Clear Lens, 13" Diameter Base		
	<u>Nautical</u>		
	39/13/L 3'-3" Height, Clear Lens, 13" Square Base		
	39/13/LW 3'-3" Height, White Lens, 13" Square Base		
	<u>North Yorkshire</u>		
	43/20/L 3'-8" Height, Clear Lens, 20" Diameter Base, Dome Top		
	43/20/LW 3'-8" Height, White Lens, 20" Diameter Base, Dome Top		

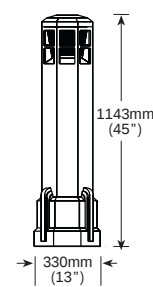
BOL/CP | Chesapeake



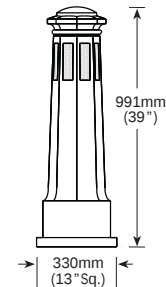
BOL/C | Columbia



BOL/FP | Freeport



BOL/NA | Nautical



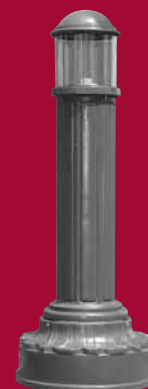


DECORATIVE

HISTORICAL

Decorative Cast Iron
Bollards

Cast Iron Lighted Bollards



Chesapeake

H50

5

SOURCE AND WATTAGE

S35	35W HPS
S70	70W HPS
S100	100W HPS
M50	50W MH
M70	70W MH
M100	100W MH
H50	50W MV
H75	75W MV
H100	100W MV

12

6

VOLTAGE

12	120V
20	208V
24	240V
27	277V
34	347V
48	480V
MT	Multi-tap

F1

7

OPTIONS AND ACCESSORIES

Options

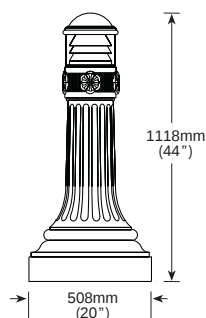
HSS	House Side Shield
PEC	Photocontrol 120V
PEC2	Photocontrol 208, 240, 277V
F1	Single Fusing 120, 240, 277V
F2	Double Fusing 208, 240, 480V
V¹	Borosilicate Glass Refractor with an IESNA Type V
III	Borosilicate Glass Refractor with an IESNA Type III
	Distribution
II	Borosilicate Glass Refractor with and IESNA Type II.
	For BOL/FP only

Accessories

Eyebolt, Weatherproof Receptacle (Mounted inside the base),
Direct Burial Base, Custom Logo
(Cast into access door) - Contact factory

1 NA with BOL/NA

BOL/NY | North Yorkshire



CONTEMPORARY POLES

SiteLink® Aluminum TracPole

T1 | T2 | T3

TracPole is an extruded aluminum pole with up to four self-contained dovetail tracks for mounting all of today's site equipment such as luminaires, banners, traffic lights, traffic control systems, communication systems, security cameras, cellular, and audiovisual equipment. In addition, SiteLink can be utilized to anchor amenities such as benches, bike racks, trash receptacles, and planters as well as a variety of other equipment that today or tomorrow's sites may require.

FEATURES:

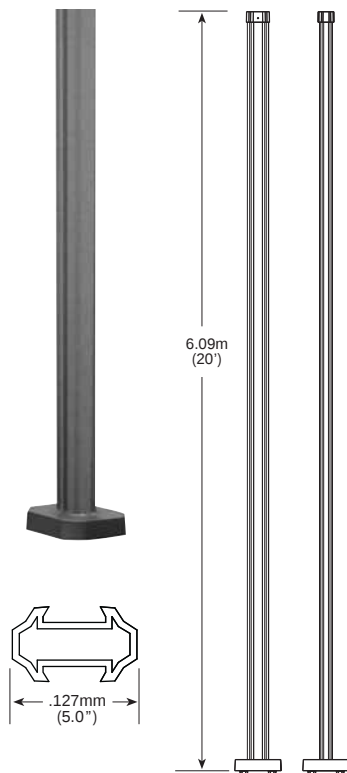
- Light, medium and heavy duty SiteLink poles
- Modular trac-design
- Accommodates future loading
- Ease of installation and maintenance
- Complete site coordination
- Tamper resistant security hex bolts
- Available with cast aluminum and cast iron clamshell bases

Example: SL T2 2200 D0 P5 B

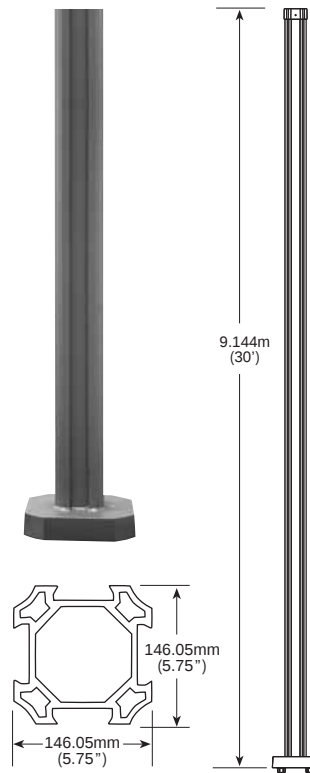
How to Construct a Catalog Number

SL T2	2200	D0	P5
1	2	3	4
SITELINK	POLE HEIGHT	FINISH	POLE CAP
SL T1 Light Duty 3" x 5"	0800 8' 0806 8'6" 0900 9' 0906 9'6" 1000 10' 1006 10'6" 1100 11' 1106 11'6" 1200 12' 1206 12'6" 1300 13' 1306 13'6" 1400 14' 1406 14'6" 1500 15' 1506 15'6" 1600 16' 1606 16'6" 1700 17' 1706 17'6" 1800 18' 1806 18'6" 1900 19' 1906 19'6" 2000 20' 2006 ¹ 20'6" 2100 ¹ 21' 2106 ¹ 21'6" 2200 ¹ 22' 2206 ¹ 22'6" 2300 ¹ 23' 2306 ¹ 23'6" 2400 ¹ 24' 2406 ¹ 24'6" 2500 ¹ 25' 2506 ¹ 25'6" 2600 ¹ 26' 2606 ¹ 26'6" 2700 ¹ 27' 2706 ¹ 27'6" 2800 ¹ 28' 2806 ¹ 28'6" 2900 ¹ 29' 2906 ¹ 29'6" 3000 ¹ 30'	Powder Coat D0 Dark Blue D1 Black D2 Burgundy D3 Dark Bronze D4 Dark Green D5 Graphite D6 Green D7 Gray D8 Silver D9 White	P0 Standard Cap P2 2 7/8" x 4" P3 3" x 3" P4 4" x 6" P5 2 7/8" x 4" Painted to match pole color

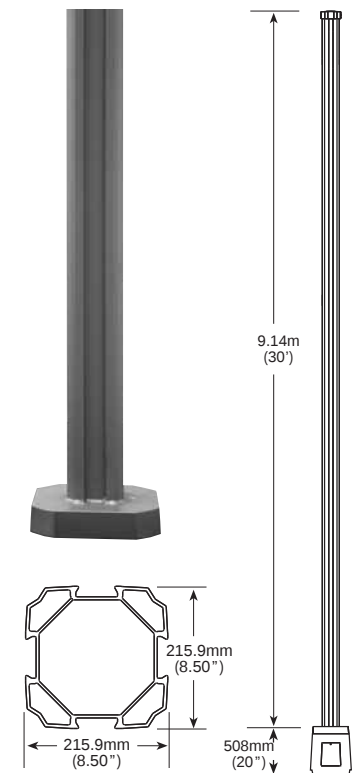
SL T1 | Aluminum TracPole



SL T2 | Aluminum TracPole



SL T3 | Aluminum TracPole



¹ T1 not available in heights over 20'

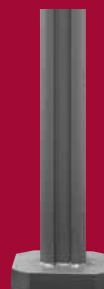


DECORATIVE

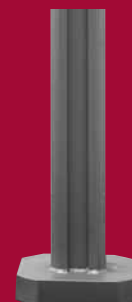
Contemporary Poles Aluminum TracPole



T1-Light Duty



T2-Medium Duty



T3-Heavy Duty

B

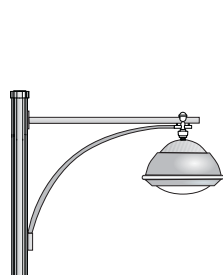
5

OPTIONS

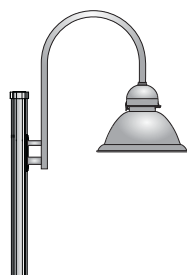
- B** Bottom Outlet Box
 - E** Auxiliary Channel Wire Exit
 - J²** ½" NPT Threaded Entry
 - K²** ¾" NPT Threaded Entry
 - N** No Handhole
 - T** Top Outlet Box
-
- 1 Casting and cord grip
painted to match pole color
 - 2 Need to order through TSG

TracArms

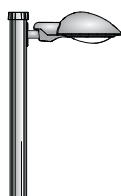
SiteLink has a variety of mounting equipment available for post top and horizontal mounting applications. Contact your local Holophane factory sales representative for detailed ordering information



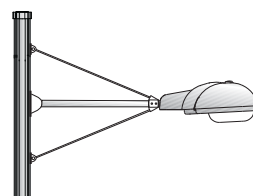
Aspen Grove



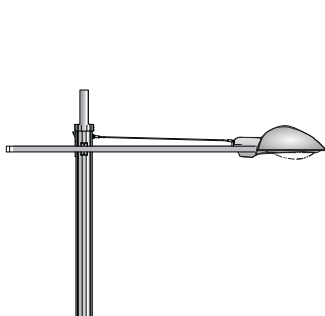
Bishops Crook



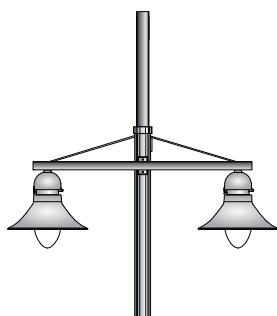
Horizontal



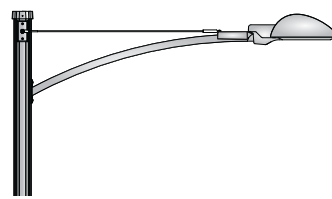
Langley



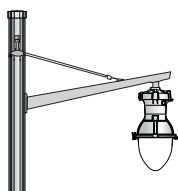
Lions Bay



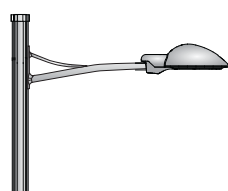
Mission Cross



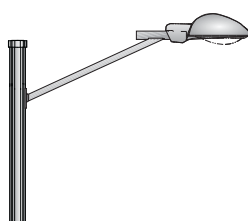
New York



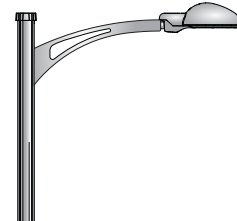
Port Moody



Sidney



Stanley Park



Vancouver

BASES

SiteLink® Bases for T1, T2 and T3

SL

The industry's most popular two-piece, clam shell bases have been adapted to complement the SiteLink offering. From traditional to contemporary styling, SiteLink bases finish the overall design of the pole assembly.

Constructed in either cast iron or cast aluminum, SiteLink bases can take abuse, while the two-piece construction makes the product simple to install and maintain.

FEATURES:

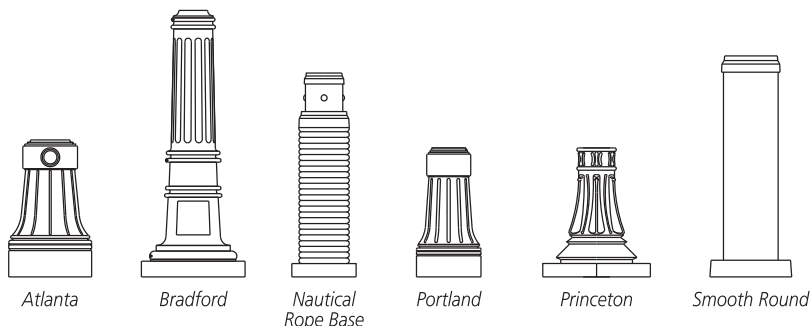
- Traditional and contemporary styling
- Cast iron or cast aluminum
- Ease of installation and maintenance
- Complete site coordination

Example: SL PM18 CA CSB T2 D0

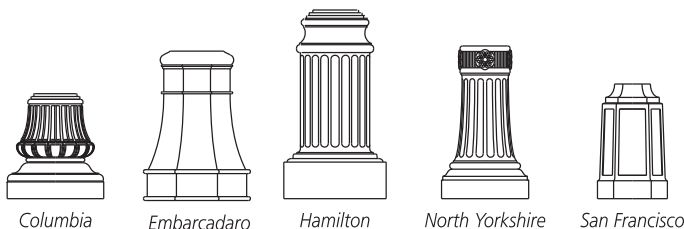
How to Construct a Catalog Number

SL	PM18	CA	CSB	T2	D0
1	2	3	4	5	6
SITELINK	TYPE	MATERIAL	BASE	TRACPOLE	FINISH
SL SiteLink	Cast Aluminum Only AT22¹ Atlanta, 22" wide base BF28¹ Bradford, 28" wide base DECVR Smooth Round NRB² Nautical Rope Base NRBE² Nautical Extended Rope Base PM18¹ Portland, 18" wide base PTF¹ Princeton, 30" wide base Cast Iron Only C26 Columbia, 26" wide base C28 Columbia, 28" wide base EB28 Embarcadaro, 28" wide base H28⁴ Hamilton, 28" wide base NY17³ North Yorkshire, 17" wide base NY20 North Yorkshire, 20" wide base NY24 North Yorkshire, 24" wide base NY28 North Yorkshire, 28" wide base SF20 San Francisco, 20" wide base Cast Aluminum and Cast Iron CP22¹ Chesapeake, 22" wide base CP24 Chesapeake, 24" wide base DF15³ Denver Federal, 25" wide base DF19¹ Denver Federal, 19" wide base NY24¹ North Yorkshire, 24" wide base	CA Cast Aluminum CI Cast Iron	CSB Clamshell Base	T1 Light Duty 3" x 5" T2 Medium Duty 5.75" Square T3 Heavy Duty 8.5" Square	Powder Coat D0 Dark Blue D1 Black D2 Burgundy D3 Dark Bronze D4 Dark Green D5 Graphite D6 Green D7 Gray D8 Silver D9 White

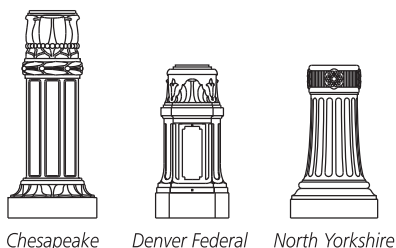
Cast Aluminum



Cast Iron



Cast Aluminum and Cast Iron



- 1 Available with T1 and T2 poles only
- 2 Available with T2 pole only
- 3 Available with T1 pole only
- 4 Available with T2 and T3 pole only

BASES

SiteLink® Bases for SL6 and SL8

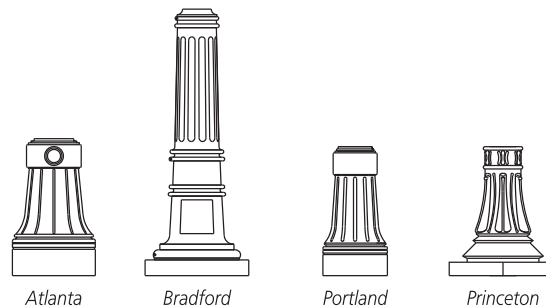
SL

Example: SL PM18 CA CSB SL6 D0

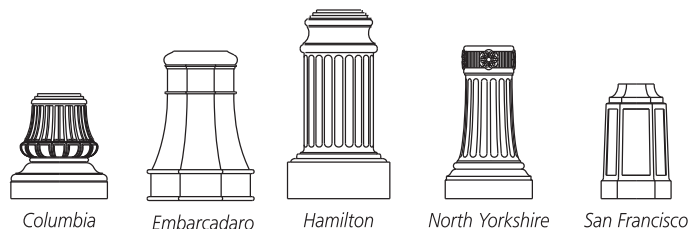
How to Construct a Catalog Number

SL	PM18	CA	CSB	SL6	D0
1	2	3	4	5	6
SITELINK	TYPE	MATERIAL	BASE	TRACPOLE	FINISH
SL SiteLink	Cast Aluminum Only AT22 Atlanta, 22" wide base BF28¹ Bradford, 28" wide base PM18¹ Portland, 18" wide base PTF¹ Princeton, 30" wide base Cast Iron Only C26 Columbia, 26" wide base C28 Columbia, 28" wide base EB28 Embarcadaro, 28" wide base H28² Hamilton, 28" wide base NY24 North Yorkshire, 24" wide base NY28 North Yorkshire, 28" wide base SF20¹ San Francisco, 20" wide base Cast Aluminum and Cast Iron CP22¹ Chesapeake, 22" wide base CP24 Chesapeake, 24" wide base DF15³ Denver Federal, 25" wide base DF19¹ Denver Federal, 19" wide base NY24¹ North Yorkshire, 24" wide base	CA Cast Aluminum CI Cast Iron	CSB Clamshell Base	SL6 Medium Duty 5.75" Square SL8 Heavy Duty, 8.5" Square	Powder Coat D0 Dark Blue D1 Black D2 Burgundy D3 Dark Bronze D4 Dark Green D5 Graphite D6 Green D7 Gray D8 Silver D9 White
	1 Available with SL6 shafts only 2 Available with SL8 shafts only				

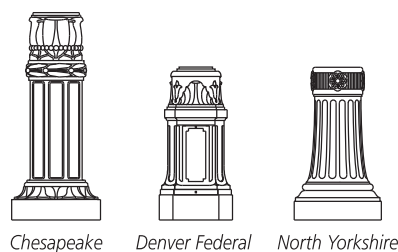
Cast Aluminum



Cast Iron



Cast Aluminum and Cast Iron

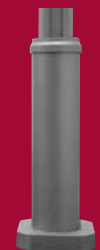


DECORATIVE

SiteLink Bases Bases



Nautical Rope



Contemporary



North Yorkshire

DECORATIVE POSTS

SiteLink® Fluted Series

SL

This series is an extruded aluminum post with four self-contained dovetail tracks for mounting all of today's site equipment such as luminaires, banners, traffic lights, traffic control systems, communication systems, security cameras, cellular, and audiovisual equipment.

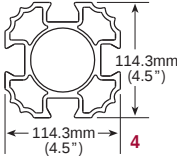
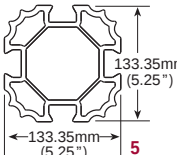
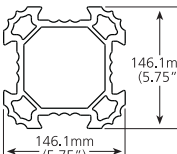
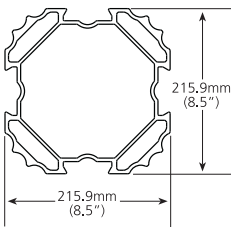
In addition, SiteLink can be utilized to anchor amenities such as benches, bike racks, trash receptacles, and planters as well as a variety of other equipment that today or tomorrow's sites may require.

FEATURES:

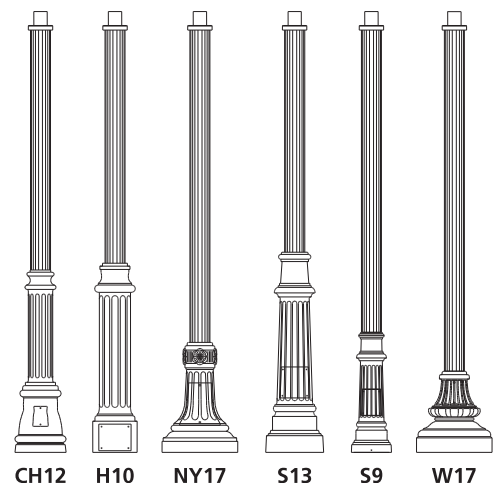
- One piece, decorative post
- Modular Trac-Design
- Accommodates future loading
- Ease of installation and maintenance
- Complete site coordination
- Tamper resistant security hex bolts

Example: SL 4 S13 1200 D3 P3 B

How to Construct a Catalog Number

SL	4	S13	1200	D3
1	2	3	4	5
SITELINK	SHAFT SIZE	BASE AND SIZE	POLE HEIGHT	FINISH
SL SiteLink Series Fluted Aluminum Pole	4 ¹ 4.5" Fluted 5 ² 5.25" Fluted 6 5.75" Fluted 8 8.5" Fluted    	SL4 – 4.5" Shaft CH12 Charleston 12" H10 Hamilton 10" S13 Salem 13" Square S9 Salem 9" Square NY17 North Yorkshire 17" W17 Wadsworth 17" SL5 – 5.25" Shaft CP20 Chesapeake 20" CH16 Charleston 16" C17 Columbia 17" D15 ¹ Delaware 15" FW18 Fort Washington 18" Square N17 ² North Yorkshire 17" RF16 ¹ Ridgefield 16" Octagon SL6 – 5.75" Shaft BP ³ Structural Base Plate SL8 – 8.5" Shaft BP ³ Structural Base Plate 1 Available up to 20' only 2 Available up to 21' only 3 Comes standard with structural base, to order decorative clamshell base see pages 66-67	POLE HEIGHT 0500 5 ft. (1.52m) 0600 6 ft. (1.83m) 0700 7 ft. (2.13m) 0800 8 ft. (2.44m) 0900 9 ft. (2.74m) 1000 10 ft. (3.048m) 1100 11 ft. (3.352m) 1200 12 ft. (3.657m) 1300 13 ft. (3.962m) 1400 14 ft. (4.26m) 1500 15 ft. (4.57m) 1600 16 ft. (4.87m) 1700 17 ft. (5.18m) 1800 18 ft. (5.49m) 1900 19 ft. (5.79m) 2000 20 ft. (6.09m) 2100 21 ft. (6.4m) 2200 22 ft. (6.7m) 2300 23 ft. (7.01m) 2400 24 ft. (7.31m) 2500 25 ft. (7.62m) 2600 26 ft. (7.92m) 2700 27 ft. (8.23m) 2800 28 ft. (8.52m) 2900 29 ft. (8.83m) 3000 30 ft. (9.14m) 1 Not available in the SL4 (4.5") shaft 2 Not available in the SL4 (4.5" shaft) or the SL5 (5.25" shaft)	FINISH Powder Coat D0 Dark Blue D1 Black D2 Burgundy D3 Dark Bronze D4 Dark Green D5 Graphite D6 Green D7 Gray D8 Silver D9 White

SL4 (4.5" shaft)





DECORATIVE

Decorative Posts Fluted Series

P3
6

POLE CAP

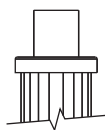
- P0 Standard Cap (Flat)
- P2 2½" x 4" Tenon
- P3 3" x 3" Tenon
- P4¹ 4" x 6" Tenon
- P5 2½" x 4" Tenon

Painted to match shaft color

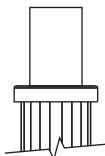
1 Not available in the SL4 (4.5 shaft)



P0



P3



P4

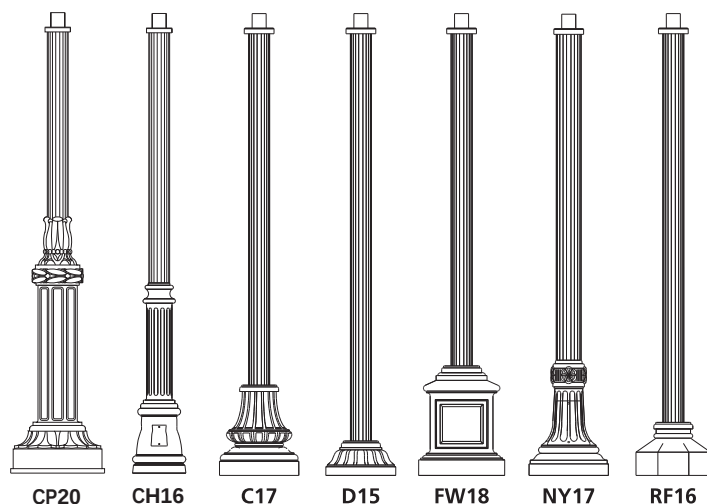
B
7

OPTIONS

- B¹ Bottom Outlet Box
- E² Auxiliary Channel Wire Exit
- J¹ ½" NPT Threaded Entry
- K¹ ¾" NPT Threaded Entry
- T¹ Top Outlet Box

- 1 Need to order through SiteLink TSG
- 2 Casting and cord grip painted to match pole shaft color. Components ship separate

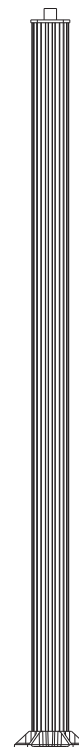
SL5 (5.25" shaft)



SL6 (5.75" shaft)



SL8 (8.5" shaft)



Charleston



Columbia



Fort Washington



North Yorkshire



Ridgfield

Finally a landscape lighting solution that complements a building's LEED rating. Not only is the TracBollard by SiteLink a lighting product, but a modular pathway system that also acts as a mounting stanchion for other equipment such as trash receptacles, bike racks, pedestrian control, signage and architectural floodlighting.

BOLLARDS

SiteLink® Aluminum TracBollard

SLB

FEATURES:

- Low glare
- IES cutoff
- LED, low wattage HID, and incandescent light sources
- Modular mounting system
- Vandal resistant, rugged aluminum design
- IP54 UL listing for wet weather
- Decorative and contemporary style options
- Multiple finishes

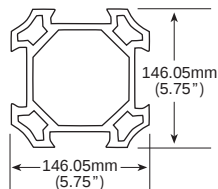
Example: SLB 3 T 20MH UV D1 C

How to Construct a Catalog Number

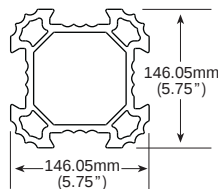
SLB	3	T	20MH	UV
1	2	3	4	5
SITELINK	HEIGHT	SHAFT	SOURCE	VOLTAGE
SLB SiteLink Bollards	3 36" 4 42" Height is above grade	T 5.75" Track F 5.75" Fluted	50HA ¹ 50W Halogen PAR20 20MH ² 20W Ceramic MH 39MH ² 39W Ceramic MH 14CF ¹ 14W Compact Fluorescent LEDW ¹ White LED LEDY ¹ Yellow LED LEDR ¹ Red LED LEDV ¹ Verde LED LEDB ¹ Blue LED UNLT No light	NL No Light 12 120 V UV ¹ Universal 1 120V, 208V, 240V, 277V

See chart on next page for options
 1 12 Volt only
 2 UV Volt only

SLB | Aluminum TracBollard Track



SLB | Aluminum TracBollard Fluted



For more information about the TracBollard visit our website

D1
6
FINISH
Powder Coat

D0	Dark Blue
D1	Black
D2	Burgundy
D3	Dark Bronze
D4	Dark Green
D5	Graphite
D6	Green
D7	Gray
D8	Silver
D9	White

C
7
OPTIONS AND ACCESSORIES

A	GFCI Duplex Receptacle
B	Direct Burial Base
C	120V Button Photocontrol
D	108V-277V Button Photocontrol

Accessories

TPD1	Tamperproof Driver
-------------	--------------------

Lamp Options

Wattage	11	14*	20	39	50
Sourcing	LED	CFL	HID	HID	Low Voltage Halogen
Lamp	9 lamp LED	Compact Fluorescent	Ceramic Metal Halide	Ceramic Metal Halide	Incandescent Narrow Spot
Bulb	NA	PAR 20	PAR 20	PAR 20	PAR 20
Base	NA	Medium	Medium	Medium	Medium
Initial Lumens	300	280	1000	2100	570

* Uses self ballasted lamp

This full line of one-piece construction, decorative aluminum posts offers a vast array of base style and shaft options to match virtually any project theme. Anchored by the significant breadth of choice, this collection offers an appropriate set of heights for pedestrian-scaled applications with decorative post top luminaires, ideally suited for 8' to 16'.

DECORATIVE POSTS

Cast Aluminum Posts

FEATURES:

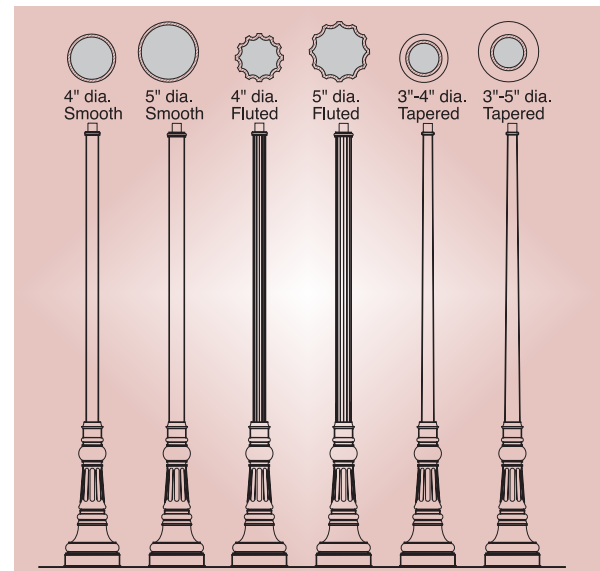
- Twenty-two cast base styles
- Multiple shaft styles and dimensions
- One-piece construction
- Ease of installation
- Corrosion resistant material
- Reliable factory finish

B | BF | BL | C | CH | CP | CO | DW | FM | H | KW | MR
M | MS | NB | NY | NO | OS | P | PD | PT | RH | S | SP | W

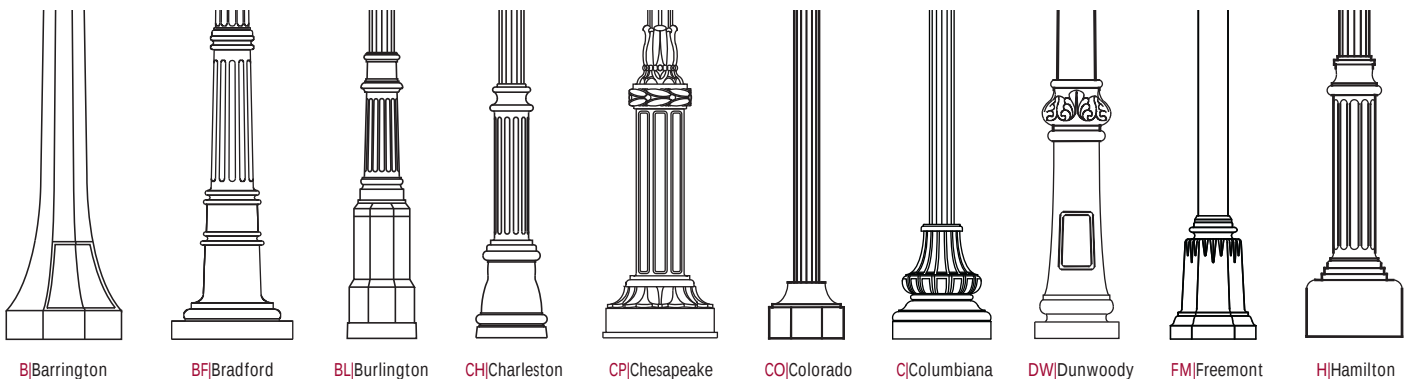
Example: Z BF 8S420 CA DBH FG-SXXH

How to Construct a Catalog Number

Z	BF	8S420	CA
1	2	3	4
COMPLETE POLE PACKAGE	STYLE NAME	POLE HEIGHT/BASE DIAMETER	MATERIAL
Z ¹ Post including Anchor Belts	B Barrington	See pages 56-61 for this step	CA Cast Aluminum
1 For Less Anchor Bolts omit "Z" Prefix	BF Bradford		
	BL Burlington		
	CH Charleston		
	CP Chesapeake		
	CO Columbiana		
	C Colorado		
	DW Dunwoody		
	FM Freemont		
	H Hamilton		
	K Kentwood		
	MR Manchester		
	MS Mount Sterling		
	M Mount Vernon		
	NB New Brighton		
	NY North Yorkshire		
	NO Norwich		
	OS Oslo		
	P Plymouth		
	PD Port Dickenson		
	PT Princeton		
	RH Rockford Harbor		
	S Salem		
	SP Southport		
	W Wadsworth		



Decorative Base Designs



DECORATIVE HISTORICAL Decorative Posts Cast Aluminum Posts



DBH

5

FINISH	
BKH	Black
DGH	Dark Green
DBH	Dark Bronze
CMH ¹	Custom Color Match
CSH ¹	Color Selection (RAL#)

1 Special

FG-SXXH

6

OPTIONS AND ACCESSORIES

FG-SXXH	Receptacle with Wet Location While Cover Closed
FGIUS-SXXH	Receptacle with small, In-use Wet Location Cover
FGIUL-SXXH	Receptacle with large, In-use Wet Location Cover
RB/GFI/WPC	Receptacle with Weatherproof Box and Cover for use in Base

Notes:

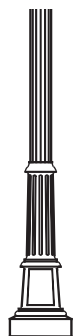
Orientation sheets must be filled out on receptacles and signed by the Distributor

For compatible cross-arms and postop luminaires, see "Decorative Brackets and Cross-arms for Postop Luminaires"

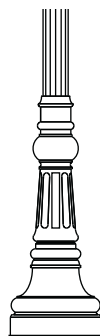
For compatible signage, see "Signage for Decorative Posts" section

For banner arms, finials, flagpole holders, ladder rests, custom cast logos, and ground fault interrupter weather proof receptacles, see "Accessories for Decorative Cast Aluminum, Cast Iron, and Cast Iron and Steel Posts" section

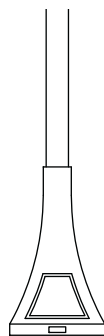
Decorative Base Designs



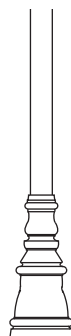
KW|Kentwood



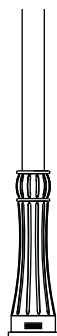
MR|Manchester



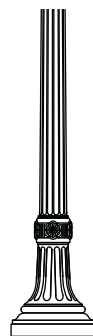
MS|Mount
Sterling



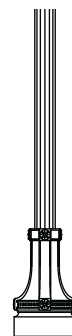
M|Mount
Vernon



NB|New
Brighton



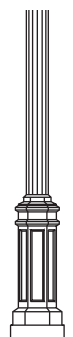
NY|North
Yorkshire



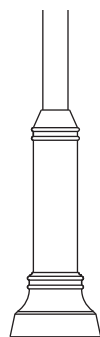
NO|Norwich



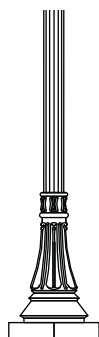
OS|Oslo



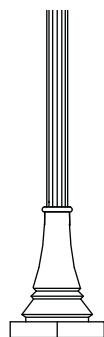
P|Plymouth



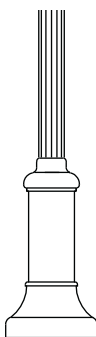
PD|Port Dickenson



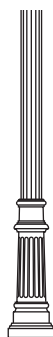
PT|Princeton
Fluted Base



PT|Princeton
Smooth Base



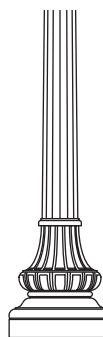
RH|Rockford
Harbor



S|Salem



SP|Southport



W|Wadsworth



North Yorkshire



Wadsworth

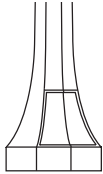


Charleston

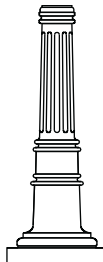


Salem

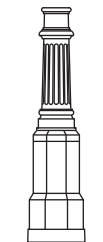
Pole Height/Base Diameter Step 3: Catalog Number Selections



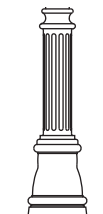
B | Barrington



BF | Bradford

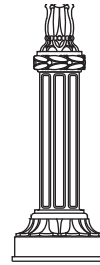


BL | Burlington



CH | Charleston

STYLE NAME BASE DIAMETER	STEP 3 CAT. NO.	HEIGHT	WEIGHT KG(LBS)
B Barrington			
16" Base	816R7	7'11"	44 (98)
	1016R7	9'11"	49 (109)
20" Base	1220R7	12'	31 (69)
	1420R7	14'	38 (84)
BF Bradford			
4" Smooth Shaft, 20" Base	8S420	8'	53 (117)
	10S420	10'	54 (120)
	12S420	12'	56 (124)
	14S420	14'	58 (128)
5" Smooth Shaft, 20" Base	10S520	10'	55 (121)
	12S520	12'	57 (125)
	14S520	14'	59 (129)
	16S520	16'	60 (132)
4" Fluted Shaft, 20" Base	8F420	8'	54 (118)
	10F420	10'	55 (122)
	12F420	12'	57 (126)
	14F420	14'	59 (130)
5" Fluted Shaft, 20" Base	10F520	10'	(123)
	12F521	12'	(127)
	14F520	14'	(131)
	16F520	16'	(136)
3-5" Smooth Tapered Shaft, 20" Base	10T520	10'	54 (120)
	12T520	12'	56 (124)
	14T520	14'	58 (128)
	16T520	16'	59 (131)
Fluted, Tapered Shaft, 20" Base	11C20	10'10"	69 (152)
	13C20	12'10"	74 (163)
	15C20	14'10"	78 (171)
	16C20	16'4"	82 (182)
BL Burlington			
4" Smooth Shaft, 11" Base	8S411	8'4"	28 (61)
	10S411	10'4"	29 (64)
	12S411	12'4"	31 (68)
	14S411	14'4"	33 (72)
4" Fluted Shaft, 11" Base	8F411	8'	28 (62)
	10F411	10'	30 (67)
	12F411	12'	32 (71)
	14F410	14'	34 (75)
3-4" Smooth Tapered Shaft, 11" Base	8T411	10'	54 (60)
	10T411	12'	56 (64)
	12T411	14'	58 (68)
	14T411	16'	59 (71)
CH Charleston			
4" Smooth Shaft, 12" Base	8S412	8'	27 (60)
	10S412	10'	29 (64)
	12S412	12'	31 (68)
	14S412	14'	32 (71)
5" Smooth Shaft, 12" Base	10S512	10'	29 (65)
	12S512	12'	31 (69)
	14S512	14'	33 (72)
	16S512	16'	34 (76)



CP | Chesapeake

STYLE NAME BASE DIAMETER	STEP 3 CAT. NO.	HEIGHT	WEIGHT KG(LBS)
CH Charleston			
4" Fluted Shaft, 12" Base	8F412	8'	28 (62)
	10F412	10'	30 (66)
	12F412	12'	32 (71)
	14F412	14'	34 (75)
5" Fluted Shaft, 12" Base	10F512	10'	30 (67)
	12F512	12'	33 (72)
	14F512	14'	34 (76)
	16F512	16'	36 (80)
3-4" Smooth Tapered Shaft, 12" Base	8T412	8'	27 (60)
	10T412	10'	29 (64)
	12T412	12'	31 (68)
	14T412	14'	32 (71)
3-5" Smooth Tapered Shaft, 12" Base	10T512	10'	29 (64)
	12T512	12'	31 (68)
	14T512	14'	32 (71)
	16T512	16'	34 (75)
CP Chesapeake			
Fluted, Tapered Shaft, 18" Base	9C18	8'10"	60 (132)
	12C18	12'	69 (152)
Fluted, Tapered Shaft, 20" Base	9C20	8'10"	63 (138)
	10C20	10'	68 (150)
	12C20	12'	71 (157)
4" Smooth Shaft, 18" Base	8S41	8'	45 (99)
	10S418	10'	47 (103)
	12S418	12'	49 (107)
	14S418	14'	50 (110)
5" Smooth Shaft, 18" Base	10S518	10'	47 (104)
	12S518	12'	49 (108)
	14S518	14'	50 (111)
	16S518	16'	53 (115)
4" Fluted Shaft, 18" Base	8F5418	8'	46 (101)
	10F418	10'	48 (106)
	12F418	12'	50 (110)
	14F418	14'	52 (114)
5" Fluted Shaft, 18" Base	10F518	10'	49 (107)
	12F518	12'	50 (111)
	14F518	14'	52 (115)
	16F518	16'	54 (119)
3-4" Smooth Tapered Shaft, 18" Base	8T418	8'	45 (99)
	10T418	10'	47 (103)
	12T418	12'	107 (49)
	14T418	14'	110 (50)
3-5" Smooth Tapered Shaft, 18" Base	10T518	10'	47 (103)
	12T518	12'	49 (107)
	14T518	14'	50 (110)
	16T518	16'	52 (114)
4" Smooth Shaft, 20" Base	8S420	8'	48 (105)
	10S420	10'	49 (108)
	12S420	12'	51 (112)
	14S420	14'	53 (116)
5" Smooth Shaft, 20" Base	10S520	10'	49 (109)
	12S520	12'	51 (113)
	14S520	14'	53 (117)
	16S520	16'	54 (120)

Catalog Number Reference Guide

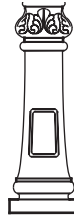


CO | Colorado



C | Columbiana

STYLE NAME BASE DIAMETER	STEP 3 CAT. NO.	HEIGHT	WEIGHT KG(LBS)
CP Chesapeake			
4" Fluted Shaft, 20" Base	8F420	8'	49 (107)
	10F420	10'	50 (111)
	12F420	12'	52 (115)
	14F420	14'	54 (119)
5" Fluted Shaft, 20" Base	10F520	10'	51 (112)
	12F520	12'	53 (116)
	14F520	14'	54 (120)
	16F520	16'	57 (125)
3-4" Smooth Tapered Shaft, 20" Base	8T420	8'	48 (105)
	10T420	10'	49 (108)
	12T420	12'	51 (112)
	14T420	14'	53 (116)
3-5" Smooth Tapered Shaft, 20" Base	10T520	10'	49 (108)
	12T520	12'	51 (112)
	14T520	14'	53 (116)
	16T520	16'	54 (119)
CO Colorado			
Tapered Shaft, 12" Base	8T612	8'	21 (47)
	10T612	10'	23 (51)
	12T612	12'	25 (55)
	14T612	14'	27 (59)
4" Smooth Shaft, 12" Base	8S412	8'	21 (47)
	10S412	10'	23 (51)
	12S412	12'	25 (55)
	14S412	14'	27 (58)
5" Smooth Shaft, 12" Base	10S512	10'	24 (52)
	12S512	12'	25 (56)
	14S512	14'	27 (59)
	16S512	16'	29 (64)
4" Fluted, 12" Base	8F412	8'	22 (49)
	10F412	10'	24 (54)
	12F412	12'	26 (58)
	14F412	14'	28 (62)
5" Fluted Shaft, 12" Base	10F512	10'	25 (55)
	12F512	12'	27 (59)
	14F512	14'	29 (63)
	16F512	16'	31 (69)
C Columbiana			
5" Smooth Shaft, 20" Base	10S520	10'	32 (70)
	12S520	12'	34 (75)
	14S520	14'	36 (80)
	16S520	16'	38 (85)
5" Fluted Shaft, 20" Base	10F520	10'	34 (75)
	12F520	12'	36 (80)
	14F520	14'	38 (85)
	16F520	16'	40 (90)
6" Fluted Shaft, 20" Base	10F620	10'	36 (80)
	12F620	12'	38 (85)
	14F620	14'	40 (90)
	16F620	16'	43 (96)

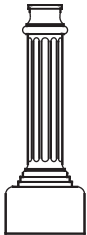


DW | Dunwoody

STYLE NAME BASE DIAMETER	STEP 3 CAT. NO.	HEIGHT	WEIGHT KG(LBS)
DW Dunwoody			
Fluted, Tapered Shaft, 12" Base	11C12	10'9"	55 (122)
Fluted, Tapered Shaft, 20" Base	11C20	10'9"	62 (135)
4" Smooth Shaft, 12" Base	8S412	8'	24 (53)
	10S412	10'	26 (57)
	12S412	12'	27 (60)
	14S412	14'	29 (64)
5" Smooth Shaft, 12" Base	10S512	10'	27 (58)
	12S512	12'	28 (61)
	14S512	14'	29 (65)
	16S512	16'	31 (69)
4" Fluted Shaft, 12" Base	8F412	8'	22 (49)
	10F412	10'	24 (54)
	12F412	12'	26 (58)
	14F412	14'	28 (62)
5" Fluted Shaft, 12" Base	10F512	10'	25 (55)
	12F512	12'	27 (59)
	14F512	14'	29 (63)
	16F512	16'	31 (69)
3-4" Smooth Tapered Shaft, 12" Base	8T412	8'	24 (53)
	10T412	10'	26 (57)
	12T412	12'	27 (60)
	14T412	14'	29 (64)
3-5" Smooth Tapered Shaft, 12" Base	10T512	10'	26 (57)
	12T512	12'	27 (60)
	14T512	14'	29 (64)
	16T512	16'	31 (68)
4" Smooth Shaft, 20" Base	8S420	8'	30 (66)
	10S420	10'	32 (70)
	12S420	12'	33 (73)
	14S420	14'	35 (77)
5" Smooth Shaft, 20" Base	10S520	10'	32 (71)
	12S520	12'	34 (74)
	14S520	14'	35 (78)
	16S520	16'	37 (82)
4" Fluted Shaft, 20" Base	8F420	8'	30 (66)
	10F420	10'	33 (72)
	12F420	12'	34 (76)
	14F420	14'	36 (80)
5" Fluted Shaft, 20" Base	10F520	10'	33 (73)
	12F520	12'	35 (77)
	14F520	14'	37 (81)
	16F520	16'	39 (85)
3-4" Smooth Tapered Shaft, 20" Base	8T420	8'	30 (66)
	10T420	10'	32 (70)
	12T420	12'	33 (73)
	14T420	14'	35 (77)
3-5" Smooth Tapered Shaft, 20" Base	10T520	10'	32 (70)
	12T520	12'	33 (73)
	14T520	14'	35 (77)
	16T520	16'	37 (81)



FM|Freemont



H|Hamilton

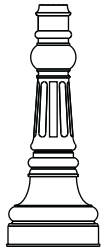
STYLE NAME BASE DIAMETER	STEP 3 CAT. NO.	HEIGHT	WEIGHT KG(LBS)
FM Freemont			
4" Smooth Shaft, 10" Hex Base	8S410	8'	31 (69)
	10S410	10'	33 (73)
	12S410	12'	35 (77)
	14S410	14'	36 (80)
4" Fluted Shaft, 10" Hex Base	8F410	8'	32 (71)
	10F410	10'	34 (76)
	12F410	12'	36 (80)
	14F410	14'	38 (84)
3-4" Smooth Tapered Shaft, 10" Hex Base	8T410	8'	31 (69)
	10T410	10'	33 (73)
	12T410	12'	35 (77)
	14T410	14'	36 (80)
H Hamilton			
Tapered Fluted Shaft, 10" Base	8C10	8'	37 (81)
	10C10	10'	39 (85)
	12C10	12'	40 (89)
Tapered Fluted Shaft, 16" Base	8C16	8'5"	44 (98)
	10C16	10'5"	46 (102)
	12C16	12'5"	48 (106)
4" Smooth Shaft, 10" Base	8S410	8'	28 (61)
	10S410	10'	29 (65)
	12S410	12'	31 (68)
	14S410	14'	33 (72)
5" Smooth Shaft, 10" Base	10S510	10'	30 (66)
	12S510	12'	31 (69)
	14S510	14'	33 (73)
	16S510	16'	35 (77)
4" Fluted Shaft, 10" Base	8F410	8'	29 (63)
	10F410	10'	30 (67)
	12F410	12'	32 (71)
	14F410	14'	34 (76)
5" Fluted Shaft, 10" Base	10F510	10'	31 (68)
	12F510	12'	33 (72)
	14F510	14'	35 (77)
	16F510	16'	37 (81)
3-4" Smooth Tapered Shaft, 10" Base	8T410	8'	28 (61)
	10T410	10'	29 (64)
	12T410	12'	31 (68)
	14T410	14'	33 (72)
3-5" Smooth Tapered Shaft, 10" Base	10T510	10'	29 (64)
	12T510	12'	31 (68)
	14T510	14'	33 (72)
	16T510	16'	34 (75)
4" Smooth Shaft, 16" Base	8S416	8'	35 (78)
	10S416	10'	37 (81)
	12S416	12'	39 (85)
	14S416	14'	40 (89)
5" Smooth Shaft, 16" Base	10S516	10'	37 (82)
	12S516	12'	39 (86)
	14S516	14'	41 (90)
	16S516	16'	42 (93)



KW|Kentwood

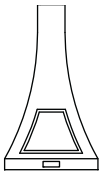
STYLE NAME BASE DIAMETER	STEP 3 CAT. NO.	HEIGHT	WEIGHT KG(LBS)
H Hamilton (cont.)			
4" Fluted Shaft, 16" Base	8F416	8'	36 (80)
	10F416	10'	38 (84)
	12F416	12'	40 (88)
	14F416	14'	42 (92)
5" Fluted Shaft, 16" Base	10F516	10'	39 (85)
	12F516	12'	40 (89)
	14F516	14'	42 (93)
	16F516	16'	44 (97)
3-4" Smooth Tapered Shaft, 16" Base	8T416	8'	35 (78)
	10T416	10'	37 (81)
	12T416	12'	39 (85)
	14T416	14'	40 (88)
3-5" Smooth Tapered Shaft, 16" Base	10T516	10'	37 (81)
	12T516	12'	39 (85)
	14T516	14'	40 (88)
	16T516	16'	42 (92)
KW Kentwood			
4" Smooth Shaft, 12" Base	8S412	8'	22 (49)
	10S412	10'	24 (52)
	12S412	12'	25 (56)
	14S412	14'	27 (60)
4" Fluted Shaft, 12" Base	8F412	8'	23 (50)
	10F412	10'	24 (54)
	12F412	12'	26 (58)
	14F412	14'	28 (62)
3-4" Smooth Tapered Shaft, 12" Base	8T412	8'	22 (49)
	10T412	10'	24 (52)
	12T412	12'	25 (56)
	14T412	14'	27 (60)
4" Smooth Shaft, 20" Base	8S420	8'	68 (150)
	10S420	10'	69 (153)
	12S420	12'	71 (156)
	14S420	14'	71 (157)
5" Smooth Shaft, 20" Base	10S520	10'	66 (149)
	12S520	12'	69 (153)
	14S520	14'	71 (157)
	16S520	16'	73 (160)
4" Fluted Shaft, 20" Base	8F420	8'	66 (146)
	10F420	10'	68 (150)
	12F420	12'	70 (154)
	14F420	14'	72 (158)
5" Fluted Shaft, 20" Base	10F520	10'	68 (151)
	12F520	12'	70 (155)
	14F520	14'	72 (159)
	16F520	16'	74 (164)
3-4" Smooth Tapered Shaft, 20" Base	8T420	8'	66 (149)
	10T420	10'	67 (148)
	12T420	12'	71 (157)
	14T420	14'	73 (160)
3-5" Smooth Tapered Shaft, 20" Base	10T520	10'	67 (148)
	12T520	12'	56 (124)
	14T520	14'	58 (127)
	16T520	16'	59 (131)

Catalog Number Reference Guide



MR | Manchester

STYLE NAME BASE DIAMETER	STEP 3 CAT. NO.	HEIGHT	WEIGHT KG(LBS)
MR Manchester			
4" Smooth Shaft, 19" Base	8S419	8'	54 (120)
	10S419	10'	56 (124)
	12S419	12'	58 (127)
	14S419	14'	59 (131)
5" Smooth Shaft, 19" Base	10S519	10'	57 (125)
	12S519	12'	58 (128)
	14S519	14'	60 (132)
	16S519	16'	62 (136)
4" Fluted Shaft, 19" Base	8F419	8'	55 (121)
	10F419	10'	57 (125)
	12F419	12'	59 (130)
	14F419	14'	61 (134)
5" Fluted Shaft, 19" Base	10F519	10'	57 (126)
	12F519	12'	59 (131)
	14F519	14'	61 (135)
	16F519	16'	63 (139)
3-4" Smooth Tapered Shaft, 19" Base	8T419	8'	54 (120)
	10T419	10'	56 (124)
	12T419	12'	58 (127)
	14T419	14'	59 (131)
3-5" Smooth Tapered Shaft, 19" Base	10T519	10'	56 (124)
	12T519	12'	58 (127)
	14T519	14'	59 (131)
	16T519	16'	63 (135)
MS Mount Sterling			
4" Smooth Shaft, 17" Base	8S417	8'	40 (88)
	10S417	10'	42 (92)
	12S417	12'	43 (70)
	14S417	14'	45 (99)
4" Fluted Shaft, 17" Base	8F417	8'	42 (93)
	10F417	10'	44 (98)
	12F417	12'	46 (101)
	14F417	14'	47 (104)
5" Smooth Shaft, 17" Base	10S517	10'	41 (90)
	12S517	12'	43 (94)
	14S517	14'	44 (98)
	16S517	16'	46 (102)
5" Fluted Shaft, 17" Base	10F517	10'	43 (95)
	12F517	12'	45 (99)
	14F517	14'	47 (103)
	16F517	16'	49 (108)
3-4" Smooth Tapered Shaft, 17" Base	8T417	8'	42 (93)
	10T417	10'	44 (98)
	12T417	12'	46 (101)
	14T417	14'	47 (104)
3-5" Smooth Tapered Shaft, 17" Base	10T517	10'	44 (98)
	12T517	12'	47 (103)
	14T517	14'	49 (108)
	16T517	16'	52 (114)



MS | Mount Sterling



M | Mount Vernon



NB | New Brighton



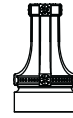
NY | North Yorkshire

STYLE NAME BASE DIAMETER	STEP 3 CAT. NO.	HEIGHT	WEIGHT KG(LBS)
M Mount Vernon			
4" Smooth Shaft, 12" Base	8S412	8'	21 (47)
	10S412	10'	23 (51)
	12S412	12'	24 (54)
	14S412	14'	26 (58)
4" Fluted Shaft, 12" Base	8F412	8'	22 (49)
	10F412	10'	24 (53)
	12F412	12'	26 (57)
	14F412	14'	28 (61)
3-4" Smooth Tapered Shaft, 12" Base	8T412	8'	21 (47)
	10T412	10'	22 (50)
	12T412	12'	24 (54)
	14T412	14'	27 (58)
NB New Brighton			
4" Smooth Shaft, 9" Base	8S49	8'	27 (60)
	10S49	10'	29 (64)
	12S49	12'	32 (70)
	14S49	14'	33 (72)
4" Fluted Shaft, 9" Base	8F49	8'	28 (60)
	10F49	10'	30 (65)
	12F49	12'	32 (73)
	14F49	14'	34 (75)
5" Smooth Shaft, 9" Base	10S59	10'	28 (62)
	12S59	12'	29 (64)
	14S59	14'	32 (70)
	16S59	16'	33 (72)
5" Fluted Shaft, 9" Base	10F59	10'	30 (65)
	12F59	12'	32 (70)
	14F59	14'	34 (75)
	16F59	16'	36 (80)
3-4" Smooth Tapered Shaft, 9" Base	8T49	8'	28 (60)
	10T49	10'	30 (65)
	12T49	12'	32 (70)
	14T49	14'	35 (70)
3-5" Smooth Tapered Shaft, 9" Base	10T59	10'	30 (65)
	12T59	12'	32 (70)
	14T59	14'	34 (75)
	16T59	16'	36 (80)
NY North Yorkshire			
Tapered Fluted Shaft, 17" Base	9C17	8'7"	40 (89)
	11C17	10'7"	42 (93)
	13C17	12'7"	46 (101)
	14C17	14'1"	49 (108)
Tapered Fluted Shaft, 20" Base	9C20	8'11"	61 (135)
	11C20	10'9"	63 (139)
	13C20	12'11"	66 (146)
	14C20	14'5"	70 (155)
4" Smooth Shaft, 17" Base	8S417	8'	25 (56)
	10S417	10'	27 (60)
	12S417	12'	29 (63)
	14S417	14'	30 (67)



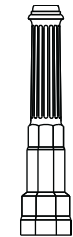
NY|North
Yorkshire

STYLE NAME BASE DIAMETER	STEP 3 CAT. NO.	HEIGHT	WEIGHT KG(LBS)
NY North Yorkshire (cont.)			
5" Smooth Shaft, 17" Base	10S517	10'	28 (61)
	12S517	12'	29 (64)
	14S517	14'	30 (67)
	16S517	16'	32 (71)
4" Fluted Shaft, 17" Base	8F5417	8'	26 (58)
	10F417	10'	28 (62)
	12F417	12'	30 (66)
	14F417	14'	32 (70)
5" Fluted Shaft, 17" Base	10F517	10'	29 (63)
	12F517	12'	30 (67)
	14F517	14'	32 (71)
	16F517	16'	34 (75)
3-4" Smooth Tapered Shaft, 17" Base	8T417	8'	25 (56)
	10T417	10'	27 (59)
	12T417	12'	29 (63)
	14T417	14'	30 (66)
3-5" Smooth Tapered Shaft, 17" Base	10T517	10'	27 (59)
	12T517	12'	29 (63)
	14T517	14'	30 (60)
	16T517	16'	32 (70)
4" Smooth Shaft, 20" Base	8S420	8'	47 (103)
	10S420	10'	48 (106)
	12S420	12'	50 (110)
	14S420	14'	51 (113)
5" Smooth Shaft, 20" Base	10S520	10'	49 (107)
	12S520	12'	50 (111)
	14S520	14'	52 (114)
	16S520	16'	53 (117)
4" Fluted Shaft, 20" Base	8F420	8'	48 (105)
	10F420	10'	49 (109)
	12F420	12'	51 (113)
	14F420	14'	53 (116)
5" Fluted Shaft, 20" Base	10F520	10'	50 (110)
	12F520	12'	52 (114)
	14F520	14'	53 (117)
	16F520	16'	55 (121)
3-4" Smooth Tapered Shaft, 20" Base	8T420	8'	47 (103)
	10T420	10'	48 (106)
	12T420	12'	50 (110)
	14T420	14'	51 (113)
3-5" Smooth Tapered Shaft, 20" Base	10T520	10'	48 (106)
	12T520	12'	50 (110)
	14T520	14'	51 (113)
	16T520	16'	53 (116)



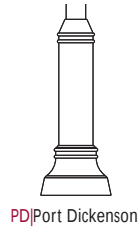
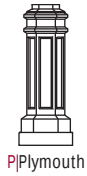
NO|Norwich

STYLE NAME BASE DIAMETER	STEP 3 CAT. NO.	HEIGHT	WEIGHT KG(LBS)
NO Norwich			
4" Smooth Shaft, 12" Base	8S412	8'	26 (58)
	10S412	10'	28 (62)
	12S412	12'	29 (65)
	14S412	14'	31 (69)
5" Smooth Shaft, 12" Base	10S512	10'	29 (63)
	12S512	12'	30 (66)
	14S512	14'	32 (70)
	16S512	16'	34 (74)
4" Fluted Shaft, 12" Base	8F412	8'	27 (60)
	10F412	10'	29 (64)
	12F412	12'	31 (68)
	14F412	14'	33 (62)
5" Fluted Shaft, 12" Base	10F512	10'	29 (65)
	12F512	12'	31 (69)
	14F512	14'	33 (73)
	16F512	16'	35 (78)
3-4" Smooth Tapered Shaft, 12" Base	8T412	8'	26 (58)
	10T412	10'	28 (61)
	12T412	12'	29 (65)
	14T412	14'	31 (69)
3-5" Smooth Tapered Shaft, 12" Base	10T512	10'	28 (61)
	12T512	12'	29 (65)
	14T512	14'	33 (72)
	16T512	16'	33 (72)
OS Oslo			
4" Smooth Shaft, 10" Base	8S410	8'	27 (60)
	10S410	10'	27 (64)
	12S410	12'	30 (67)
	14S410	14'	32 (71)
5" Smooth Shaft, 10" Base	10S510	10'	29 (65)
	12S510	12'	31 (68)
	14S510	14'	33 (72)
	16S510	16'	34 (76)
4" Fluted Shaft, 10" Base	8F410	8'	28 (62)
	10F410	10'	30 (66)
	12F410	12'	32 (70)
	14F410	14'	34 (75)
5" Fluted Shaft, 10" Base	10F510	10'	30 (67)
	12F510	12'	32 (71)
	14F510	14'	34 (76)
	16F510	16'	36 (80)
3-4" Smooth Tapered Shaft, 10" Base	8T410	8'	27 (60)
	10T410	10'	29 (64)
	12T410	12'	30 (67)
	14T410	14'	32 (71)
3-5" Smooth Tapered Shaft, 10" Base	10T510	10'	29 (64)
	12T510	12'	30 (67)
	14T510	14'	32 (71)
	16T510	16'	34 (74)

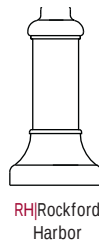
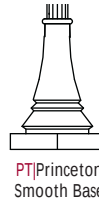
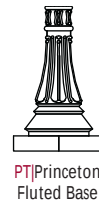


OS|Oslo

Catalog Number Reference Guide



STYLE NAME BASE DIAMETER	STEP 3 CAT. NO.	HEIGHT	WEIGHT KG(LBS)
P Plymouth			
4" Smooth Shaft, 10" Hex Base	8S410	8'	17 (38)
	10S410	10'	19 (42)
	12S410	12'	21 (46)
	14S410	14'	22 (49)
4" Fluted Shaft, 10" Hex Base	8F410	8'	18 (40)
	10F410	10'	20 (44)
	12F410	12'	22 (48)
	14F410	14'	24 (53)
3-4" Smooth Tapered Shaft, 10" Hex Base	8T410	8'	17 (38)
	10T410	10'	19 (42)
	12T410	12'	20 (45)
	14T410	14'	22 (49)
PD Port Dickenson			
4" Smooth Shaft, 18" Base	8S418	8'	40 (88)
	10S418	10'	42 (92)
	12S418	12'	43 (95)
	14S418	14'	45 (99)
5" Smooth Shaft, 18" Base	10S518	10'	41 (90)
	12S518	12'	43 (94)
	14S518	14'	44 (98)
	16S518	16'	46 (102)
4" Fluted Shaft, 18" Base	8F418	8'	42 (93)
	10F418	10'	44 (98)
	12F418	12'	46 (101)
	14F418	14'	47 (104)
5" Fluted Shaft, 18" Base	10F518	10'	43 (95)
	12F518	12'	45 (99)
	14F518	14'	47 (103)
	16F518	16'	49 (108)
3-4" Smooth Tapered Shaft, 18" Base	8T418	8'	42 (93)
	10T418	10'	44 (98)
	12T418	12'	46 (101)
	14T418	14'	47 (104)
3-5" Smooth Tapered Shaft, 18" Base	10T518	10'	44 (98)
	12T518	12'	47 (103)
	14T518	14'	49 (108)
	16T518	16'	52 (114)
4" Smooth Shaft, 20" Base	8S420	8'	45 (100)
	10S420	10'	47 (104)
	12S420	12'	48 (109)
	14S420	14'	50 (114)
5" Smooth Shaft, 20" Base	10S520	10'	46 (105)
	12S520	12'	48 (109)
	14S520	14'	49 (113)
	16S520	16'	51 (117)
4" Fluted Shaft, 20" Base	8F420	8'	47 (108)
	10F420	10'	49 (112)
	12F420	12'	51 (116)
	14F420	14'	52 (122)
5" Fluted Shaft, 20" Base	10F520	10'	48 (110)
	12F520	12'	50 (115)
	14F520	14'	52 (120)
	16F520	16'	54 (125)



STYLE NAME BASE DIAMETER	STEP 3 CAT. NO.	HEIGHT	WEIGHT KG(LBS)
PD Port Dickenson (cont.)			
3-4" Smooth Tapered Shaft, 20" Base	8T420	8'	47 (108)
	10T420	10'	49 (112)
	12T420	12'	51 (116)
	14T420	14'	52 (122)
3-5" Smooth Tapered Shaft, 20" Base	10T520	10'	49 (113)
	12T520	12'	52 (117)
	14T520	14'	54 (121)
	16T520	16'	57 (125)
PT Princeton*			
4" Smooth Shaft, 18" Hex Fluted Base	8S418	8'	34 (76)
	10S418	10'	36 (80)
	12S418	12'	38 (83)
	14S418	14'	39 (87)
4" Fluted Shaft, 18" Hex Fluted Base	8F418	8'	35 (78)
	10F418	10'	37 (82)
	12F418	12'	39 (86)
	14F418	14'	41 (90)
3-4" Smooth Tapered Shaft, 18" Hex Fluted Base	8T418	8'	35 (78)
	10T418	10'	37 (82)
	12T418	12'	39 (86)
	14T418	14'	41 (90)
4" Smooth Shaft, 18" Hex Smooth Base	8S418FB	8'	32 (70)
	10S418FB	10'	34 (74)
	12S418FB	12'	35 (78)
	14S418FB	14'	38 (81)
4" Fluted Shaft, 18" Hex Smooth Base	8F418FB	8'	33 (72)
	10F418FB	10'	35 (77)
	12F418FB	12'	38 (81)
	14F418FB	14'	39 (85)
3-4" Smooth Tapered Shaft, 18" Hex Smooth Base	8T418FB	8'	32 (70)
	10T418FB	10'	34 (74)
	12T418FB	12'	35 (78)
	14T418FB	14'	38 (81)
RH Rockford Harbor			
4" Smooth Shaft, 18" Base	8S41	8'	40 (88)
	10S418	10'	42 (92)
	12S418	12'	43 (95)
	14S418	14'	45 (99)
5" Smooth Shaft, 18" Base	10S518	10'	41 (90)
	12S518	12'	43 (94)
	14S518	14'	44 (98)
	16S518	16'	46 (102)
4" Fluted Shaft, 18" Base	8FF418	8'	42 (93)
	10F418	10'	43 (96)
	12F418	12'	45 (100)
	14F418	14'	47 (104)
5" Fluted Shaft, 18" Base	10F518	10'	43 (95)
	12F518	12'	45 (99)
	14F518	14'	47 (103)
	16F518	16'	49 (108)
3-5" Smooth Tapered Shaft, 18" Base	10T518	10'	42 (92)
	12T518	12'	43 (95)
	14T518	14'	45 (99)
	16T518	16'	47 (103)

*For fluted base version add FB in step 3.



S|Salem

STYLE NAME BASE DIAMETER	STEP 3 CAT. NO.	HEIGHT	WEIGHT KG(LBS)
S Salem			
4" Smooth Shaft, 9" Square Base	8S49	8'	16 (36)
	10S49	10'	18 (39)
	12S49	12'	20 (43)
	14S49	14'	21 (47)
4" Fluted Shaft, 9" Square Base	8F49	8'	17 (37)
	10F49	10'	19 (42)
	12F49	12'	21 (46)
	14F49	14'	23 (50)
3-4" Smooth Tapered Shaft, 9" Square Base	8T49	8'	16 (36)
	10T49	10'	18 (39)
	12T49	12'	20 (43)
	14T49	14'	21 (47)
4" Smooth Shaft, 13" Square Base	8S413	8'	28 (61)
	10S413	10'	29 (65)
	12S413	12'	31 (68)
	14S413	14'	33 (72)
5" Smooth Shaft, 13" Square Base	10S513	10'	30 (66)
	12S513	12'	31 (69)
	14S513	14'	33 (73)
	16S513	16'	35 (77)
4" Fluted Shaft, 13" Square Base	8F5413	8'	29 (63)
	10F413	10'	30 (67)
	12F413	12'	32 (71)
	14F413	14'	34 (76)
5" Fluted Shaft, 13" Square Base	10F513	10'	31 (68)
	12F513	12'	33 (72)
	14F513	14'	35 (77)
	16F513	16'	37 (81)
3-4" Smooth Tapered Shaft, 13" Square Base	10T513	10'	28 (61)
	12T513	12'	29 (64)
	14T513	14'	31 (68)
	16T513	16'	33 (72)
3-5" Smooth Tapered Shaft, 13" Square Base	10T513	10'	29 (64)
	12T513	12'	31 (68)
	14T513	14'	33 (72)
	16T513	16'	34 (75)
Tapered Fluted, 13" Square Base	10C13	10'4"	44 (66)
	12C13	12'4"	46 (69)
	14C13	14'4"	49 (73)
	16C13	15'11"	53 (77)
SP Southport			
Tapered Fluted, 11" Square Base	10C11	9'7"	44 (96)
4" Smooth Shaft, 11" Square Base	8S411	8'	24 (53)
	10S411	10'	26 (57)
	12S411	12'	28 (61)
	14S411	14'	29 (64)
5" Smooth Shaft, 11" Square Base	10S511	10'	26 (58)
	12S511	12'	28 (62)
	14S511	14'	29 (65)
	16S511	16'	31 (69)



SP|Southport



W|Wadsworth

STYLE NAME BASE DIAMETER	STEP 3 CAT. NO.	HEIGHT	WEIGHT KG(LBS)
SP Southport (cont.)			
4" Fluted Shaft, 11" Square Base	8F5411	8'	25 (55)
	10F411	10'	27 (59)
	12F411	12'	29 (64)
	14F411	14'	31 (68)
5" Fluted Shaft, 11" Square Base	10F511	10'	27 (60)
	12F511	12'	29 (65)
	14F511	14'	31 (69)
	16F511	16'	33 (73)
3-4" Smooth Tapered Shaft, 11" Square Base	10T511	10'	24 (53)
	12T511	12'	26 (57)
	14T511	14'	28 (61)
	16T511	16'	29 (64)
3-5" Smooth Tapered Shaft, 11" Square Base	10T511	10'	26 (57)
	12T511	12'	28 (61)
	14T511	14'	29 (64)
	16T511	16'	31 (68)
W Wadsworth			
Tapered Fluted, 17" Base	8C17	8'	39 (86)
	10C17	10'	41 (90)
	12C17	12'	44 (97)
	14C17	14'	48 (106)
Tapered Fluted, 19" Base	8C19	8'	46 (102)
	10C19	10'	48 (106)
	12C19	12'	51 (113)
	14C19	13'7"	55 (122)
4" Smooth Shaft, 17" Base	8S417	8'	23 (50)
	10S417	10'	24 (54)
	12S417	12'	26 (58)
	14S417	14'	28 (62)
5" Smooth Shaft, 17" Base	10S517	10'	25 (55)
	12S517	12'	27 (59)
	14S517	14'	29 (63)
	16S517	16'	30 (66)
4" Fluted Shaft, 17" Base	8F5417	8'	24 (52)
	10F417	10'	25 (56)
	12F417	12'	28 (61)
	14F417	14'	30 (66)
5" Fluted Shaft, 17" Base	10F517	10'	26 (57)
	12F517	12'	28 (62)
	14F517	14'	30 (67)
	16F517	16'	32 (71)
3-4" Smooth Tapered Shaft, 17" Base	10T517	10'	23 (50)
	12T517	12'	24 (54)
	14T517	14'	26 (58)
	16T517	16'	28 (62)
3-5" Smooth Tapered Shaft, 17" Base	10T517	10'	24 (54)
	12T517	12'	26 (58)
	14T517	14'	28 (62)
	16T517	16'	30 (66)

Catalog Number Reference Guide



STYLE NAME BASE DIAMETER	STEP 3 CAT. NO.	HEIGHT	WEIGHT KG(LBS)
W Wadsworth (cont.)			
4" Smooth Shaft, 19" Base	8S419	8'	30 (66)
	10S419	10'	31 (69)
	12S419	12'	34 (74)
	14S419	14'	34 (76)
5" Smooth Shaft, 19" Base	10S519	10'	32 (70)
	12S519	12'	34 (75)
	14S519	14'	36 (79)
	16S519	16'	37 (82)
4" Fluted Shaft, 19" Base	8F419	8'	30 (67)
	10F419	10'	33 (72)
	12F419	12'	35 (77)
	14F419	14'	37 (81)
5" Fluted Shaft, 19" Base	10F519	10'	33 (73)
	12F519	12'	35 (78)
	14F519	14'	37 (82)
	16F519	16'	39 (86)
3-4" Smooth Tapered Shaft, 19" Base	8T419	8'	30 (66))
	10T419	10'	31 (69)
	12T419	12'	34 (74)
	14T419	14'	35 (77)
3-5" Smooth Tapered Shaft, 19" Base	10T519	10'	31 (69)
	12T519	12'	34 (74)
	14T519	14'	35 (77)
	16T519	16'	36 (81)

The Ohio Series is a collection of American manufactured aluminum post assemblies coupled with a vast array of shaft styles to match any project theme. The Ohio Series offers a choice of post styles with both a single piece and two piece construction. This collection offers an appropriate set of heights for pedestrian- scaled applications with decorative post top luminaires, ideally suited for 10' to 20' assemblies.

DECORATIVE POSTS

Cast Aluminum Posts Ohio Series

GC | NL | TO | WO

FEATURES:

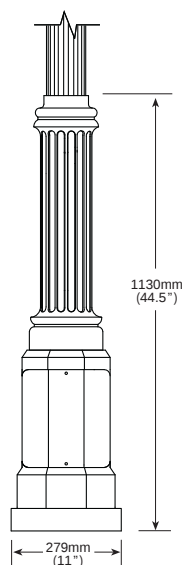
- American manufactured pole assemblies
- Multiple shaft styles and dimensions
- Tapered fluted shafts available
- One piece and two piece construction
- Ease of installation
- Reliable factory finish

Example: TO 1 10 F4 17CA BK FG-SXX

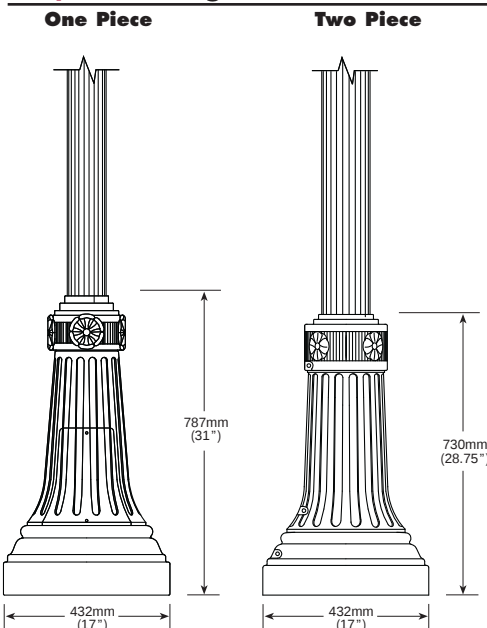
How to Construct a Catalog Number

TO	1	10	F4	17CA
1	2	3	4	5
POST TYPE	POST	POST HEIGHT	SHAFT OPTION	POST BASE/MATERIAL
GC Grove City	1 1 Piece Pole	10 10"	F4 4" Fluted	17CA 17" Base, Cast
NL New Lexington	2 ¹ 2 Piece Pole	12 12"	S4 4" Smooth	Aluminum
TO Toledo	1 Available with "GC	14 14"	F5 5" Fluted	
WO Worthington	and "WO" only	16 16"	S5 5" Smooth	
		18 ¹ 18"	T4 3-4" Tapered Smooth	
		20 ^{1,2} 20'	T5 3-5" Tapered Smooth	
		1 Not available	TF 5" Tapered Fluted	
		with "TF" shaft		
		2 Available only		
		with two piece		
		base		

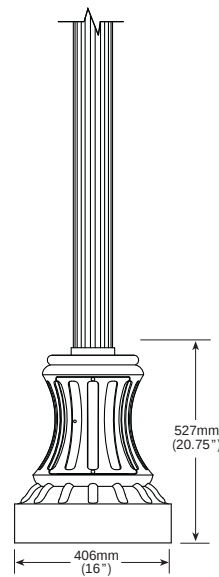
GC | Grove City



NL | New Lexington



TO | Toledo



BK

6

FINISH

BK	Black
DB	Dark Bronze
DG	Dark Green
PP	Prime Painted
CC	Custom Color Match

FG-SXX

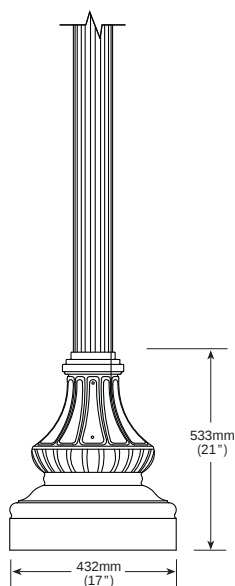
7

OPTIONS AND ACCESSORIES

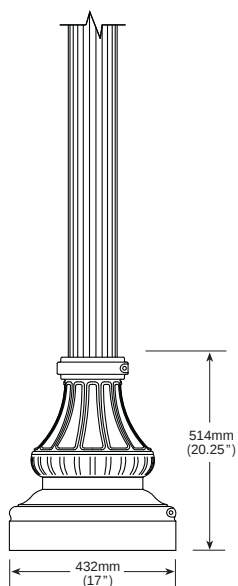
1	Receptacle on shaft (6" below top, 0° from handhole)
LAB	Less Anchor Bolts
FG-SXX	GFI Duplex Receptacle on Shaft, not-in-use Weatherproof Cover
FGIUS-SXX	GFI Duplex Receptacle on Shaft, small in-use Weatherproof Cover
FGIUL-SXX	GFI Duplex Receptacle on Shaft, large in-use Weatherproof Cover
FG-B	GFI Duplex Receptacle in Base, not-in-use Weatherproof Cover

WO | Worthington

One Piece



Two Piece



DECORATIVE POSTS

Cast Iron Posts

B | CP | C | D | FW | H
NP | NY | RF | SA | WP

Example: Z B 1218 CI DBH FG-SXXH

How to Construct a Catalog Number

Z	B	1218	CI	DBH	FG-SXXH
1	2	3	4	5	6
COMPLETE POLE PACKAGE	STYLE NAME	POLE HEIGHT/ BASE DIAMETER	MATERIAL	FINISH	OPTIONS AND ACCESSORIES
Z Post including Anchor Belts For Less Anchor Bolts, omit "Z" prefix	B Barrington C Columbia CP Chesapeake D Delaware FW Fort Washington H Hamilton NP Nicoma Park NY North Yorkshire RF Ridgefield SA San Antonio WP Winter Park	See chart at right	CI Cast Iron	PPH Prime Painted BKH Black DGH Dark Green DBH Dark Bronze CMH ¹ Custom Color Match CSH ¹ Color Selection (RAL#) 1 Special	See below

6 Options and Accessories

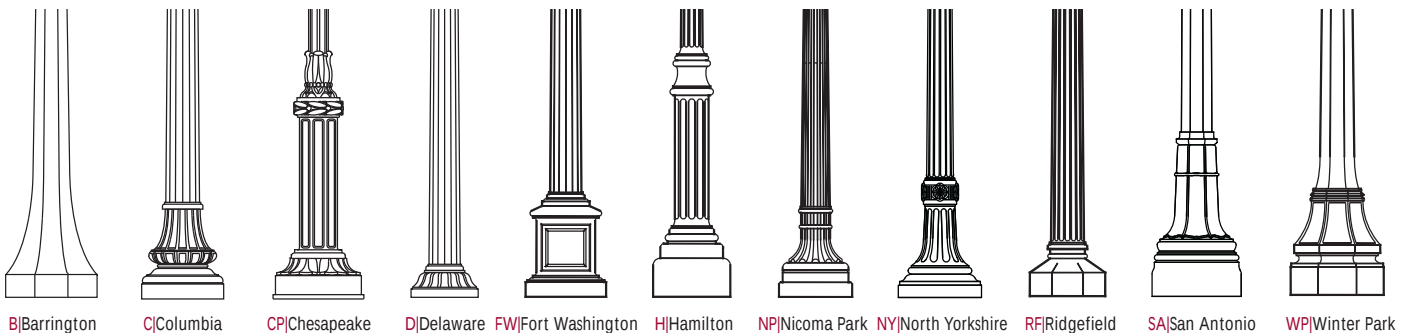
FG-SXXH	Receptacle with Wet Location While Cover Closed
FGIUS-SXXH	Receptacle with Small, In-use Wet Location Cover
FGIUL-SXXH	Receptacle with Large, In-use Wet Location Cover
RB/GFI/WPC	Receptacle with Weatherproof Box and Cover for use in Base

Orientation sheets must be filled out on receptacles and signed by the Distributor

For compatible cross-arms and posttop luminaires, see "Decorative Brackets and Cross-arms for Posttop Luminaires"

For compatible signage, see "Signage for Decorative Posts" section

For banner arms, finials, flagpole holders, ladder rests, custom cast logos, and ground fault interrupter weather proof receptacles, see "Accessories for Decorative Cast Aluminum, Cast Iron, and Cast Iron and Steel Posts" section





DECORATIVE HISTORICAL Decorative Posts Cast Iron Posts



Winter Park



Chesapeake

3 Pole Height/Weight/Base Diameter

STYLE NAME BASE DIAMETER	STEP 3 CAT. NO.	HEIGHT	WEIGHT KG(LBS)
B Barrington			
16" Base	816R7	7'11"	135 (297)
	1016R7	9'11"	148 (327)
20" Base	1220R7	11'11"	221 (488)
C Columbia			
17" Base	617	5'8"	127 (279)
	717	6'8"	137 (302)
	917	9'2"	174 (384)
	1217	11'8"	214 (472)
20" Base	1020	9'6"	197 (434)
	1220	12'	237 (522)
	1320	13'2"	266 (587)
	1520	14'6"	277 (610)
24" Base	1024	9'6"	239 (526)
	1224	12'	279 (614)
	1324	13'2"	308 (679)
	1524	14'6"	318 (702)
CP Chesapeake			
18" Base	918	8'6"	151 (332)
	1218	12'	173 (381)
	1418	14'	247 (545)
20" Base	920	8'6"	174 (383)
	1020	12'	195 (431)
	1220	14'	269 (594)
D Delaware			
15" Base	515	4'8"	95 (279)
	615	5'8"	106 (302)
	815	8'2"	143 (384)
	1115	10'8"	183 (472)
	1215	11'10"	212 (468)
	1315	13'2"	222 (491)
FW Fort Washington			
Fluted Tapered, 18" Base	618	6'	168 (370)
	718	7'	178 (393)
	1018	9'6"	215 (475)
	1218	12'	255 (563)
	1318	13'2"	285 (628)
	1518	14'6"	295 (651)
	1022	9'10"	269 (592)
Fluted Tapered, 22" Base	1222	12'4"	309 (681)
	1422	13'6"	338 (745)
	1522	14'10"	349 (769)
Octagonal Tapered, 18" Base	12E18	11'9"	225 (496)
Octagonal Tapered, 22" Base	12E22	12'1"	279 (674)

STYLE NAME BASE DIAMETER	STEP 3 CAT. NO.	HEIGHT	WEIGHT KG(LBS)
H Hamilton			
16" Base	1016	10'	167 (369)
	1216	12'	186 (409)
	1416	14'	204 (449)
NP Nicoma Park			
15" Base	1015	9'6"	122 (269)
NY North Yorkshire			
17" Base	717	6'6"	134 (296)
	817	7'6"	145 (319)
	1017	10'	182 (401)
	1317	12'6"	222 (489)
	1417	13'8"	251 (554)
	1517	15'	262 (577)
20" Base	1120	10'6"	204 (450)
	1320	13'	344 (538)
	1420	14'2"	274 (603)
	1620	15'6"	284 (626)
RF Ridgefield			
Fluted Tapered, 16" Base	516	5'	134 (296)
	616	6'	145 (319)
	916	8'6"	182 (401)
	1116	11'	222 (489)
	1216	12'2"	251 (554)
	1416	13'6"	262 (577)
Octagonal Tapered, 16" Base	11E16	10'9"	192 (423)
SA San Antonio			
19" Base	1219	12'3"	248 (546)
WP Winter Park			
Octagonal, 18" Base	1118R7	11'	222 (489)
Octagonal, 20" Base	1220R7	12'	309 (681)

DECORATIVE POSTS

Cast Iron and Steel Posts

C | D | FW | NY | RF

A collection of historically authentic cast iron and steel pole combination posts that offer a wide selection of traditional styles. The steel shaft construction allows for urban-scale heights of up to 22 feet, while still maintaining superior strength for municipal installations. Furthermore, the permanent construction of the cast iron base allows for exceptionally long life for even the harshest outdoor environments.

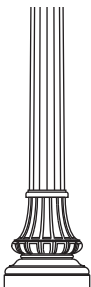
FEATURES:

- Historically authentic material
- Permanent construction
- One-piece ease of assembly
- Standard premium factory finish
- Strong mechanical properties

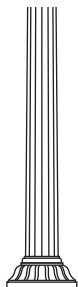
Example: Z D 1217 CIS DGH FG-SXXH

How to Construct a Catalog Number

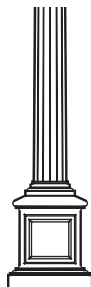
Z	D	1217	CIS	DGH
1	2	3	4	5
COMPLETE POLE PACKAGE	STYLE NAME	POLE HEIGHT/BASE DIAMETER	MATERIAL	FINISH
Z Post including Anchor Belts For Less Anchor Bolts, omit "Z" prefix	C Columbia D Delaware FW Fort Washington NY North Yorkshire RF Ridgefield	See chart below on right	CIS Cast Iron and Steel	PPH Prime Painted BKH Black DGH Dark Green DBH Dark Bronze CMH ¹ Custom Color Match CSH ¹ Color Selection (RAL#)
				1. Special



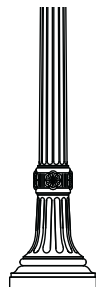
C|Columbia



D|Delaware



FW|Fort Washington



NY|North Yorkshire



RF|Ridgefield

DECORATIVE

HISTORICAL

Decorative Posts

Cast Iron & Steel Posts



Fort Washington



North Yorkshire

FG-SXXH

6

OPTIONS AND ACCESSORIES

FG-SXXH	Receptacle with Wet Location While Cover Closed
FGIUS-SXXH	Receptacle with small, In-use Wet Location Cover
FGIUL-SXXH	Receptacle with large, In-use Wet Location Cover
RB/GFI/WPC	Receptacle with Weatherproof Box and Cover for use in Base

Orientation sheets must be filled out on receptacles and signed by the Distributor

For compatible cross-arms and postop luminaires, see "Decorative Brackets and Cross-arms for Postop Luminaires"

For compatible signage, see "Signage for Decorative Posts" section

For banner arms, finials, flagpole holders, ladder rests, custom cast logos, and ground fault interrupter weather proof receptacles, see "Accessories for Decorative Cast Aluminum, Cast Iron, and Cast Iron and Steel Posts" section

3 Pole Height/Weight/Base Diameter

STYLE NAME BASE DIAMETER	STEP 3 CAT. NO.	HEIGHT	WEIGHT KG(LBS)
C Columbia			
17" Base	1217	11'8"	123 (271)
	1317	12'10"	129 (285)
	1417	14'2"	134 (296)
	1717	12'	146 (321)
20" Base	1220	12'	146 (321)
	1320	13'2"	152 (335)
	1520	14'6"	152 (335)
	1720	17'	156 (345)
24" Base	2020	20'	168 (370)
	2220	21'10"	186 (410)
	1224	12'	166 (365)
	1324	13'2"	166 (365)
24" Base	1524	14'6"	176 (389)
	1724	17'	187 (413)
	2024	20'	199 (438)
	2224	21'10"	206 (454)
D Delaware			
15" Base	1115	10'8"	102 (224)
	1215	11'10"	108 (238)
	1315	13'2"	112 (248)
	1615	15'8"	123 (272)
	1915	18'8"	135 (297)
15" Base	2115	20'6"	142 (313)
FW Fort Washington			
18" Base	1218	12'	164 (361)
	1318	13'2"	170 (375)
	1518	14'6"	175 (385)
	1718	17'	186 (409)
	2018	20'	197 (434)
	2218	21'10"	204 (450)

STYLE NAME BASE DIAMETER	STEP 3 CAT. NO.	HEIGHT	WEIGHT KG(LBS)
FW Fort Washington			
22" Base	1222	12'4"	234 (515)
	1422	13'6"	240 (529)
	1522	14'10"	244 (539)
	1722	17'4"	255 (563)
	2022	20'	266 (587)
	2222	22'2"	274 (604)
NY North Yorkshire			
17" Base	1317	12'6"	121 (266)
	1417	13'8"	127 (280)
	1517	15'	132 (290)
	1817	17'6"	142 (314)
20" Base	2117	7'6"	154 (339)
	1320	13'	153 (337)
	1420	14'2"	159 (351)
	1620	15'6"	164 (361)
	1820	18'	175 (385)
	2120	21'	186 (410)
20" Base	2320	22'10"	193 (426)
RF Ridgefield			
16" Base	1116	11'	131 (289)
	1216	12'2"	137 (303)
	1416	13'6"	142 (313)
	1616	16'	153 (337)
	1916	19'	164 (361)
	2116	20'10"	171 (377)

Designed for a combination of form and function, this decorative aluminum crossarm collection offers a true choice of styles. Whether the reason is multiple post top luminaires for increased light levels or a robust combination of ornaments for a historically-styled streetscape project, these crossarms can provide years of beauty and service to an application.

DECORATIVE POST ACCESSORIES

Cast Aluminum Cross Arms and Brackets for Post Top Luminaires

A | AS | AX | C | CP | CS | LB | LR | LV | NP | OM | PCP | RI | W

Example: AS C30/3 CA BK HDF

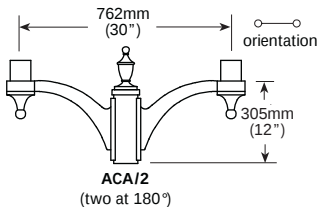
How to Construct a Catalog Number

AS	C30/3	CA	BK	HDF
1	2	3	4	5
STYLE NAME	COMBINATION	MATERIAL	FINISH	OPTIONS AND ACCESSORIES
A Annapolis	See below	CA Cast Aluminum	BK Black	HDF Extra Long Optional Finial Under Tenon for "A" only
AS Albany			DB Dark Bronze	
AX Avondale			DG Dark Green	
C Cleveland			PP Prime Painted	
CP Castle Park			CC ¹ Custom Color	
CS Cincinnati			1 Special	
LB Liberty				
LR Lored				
LV Loveland				
NP Northbrook				
OM Ohio				
PCP Philadelphia				
RI Rhode Island				
W Washington				

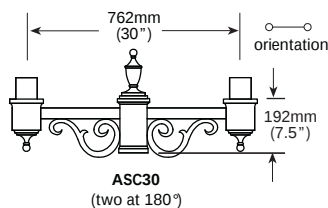
2 Style Name/Combination/Weight

STYLE NAME COMBINATION	STEP 2 CAT. NO.	ARMS MOUNT
A Annapolis		
26" Cross Arm	CA/3	3@120°
26" Cross Arm, 1 Center Tenon	CA/3T	3@120°
30" Cross Arm	CA/2	2@180°
30" Cross Arm, 1 Center Tenon	CA/2T	2@180°
Wall Bracket	WB	4@90°
AS Albany		
26" Cross Arm	C30/3	3@120°
26" Cross Arm, 1 Center Tenon	C30/3T	3@120°
30" Cross Arm	C30	2@180°
30" Cross Arm, 1 Center Tenon	C30/4	4@90°
30" Cross Arm, 1 Center Tenon	C30/2T	2@180°
30" Cross Arm, 1 Center Tenon	C30/4T	4@90°
Wall Bracket	WB	
AX Avondale		
30" Cross Arm	30	2@180°
30" Cross Arm, 1 Center Tenon	30/4	4@90°
30" Cross Arm, 1 Center Tenon	30/2T	2@180°
30" Cross Arm, 1 Center Tenon	30/4T	4@90°
Wall Bracket	WB	

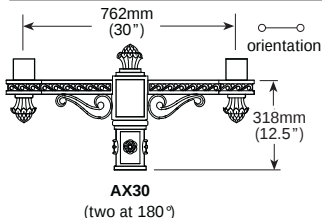
A | Annapolis



AS | Albany

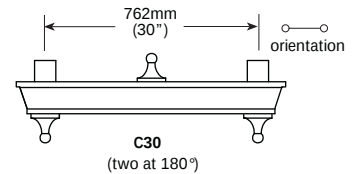


AX | Avondale

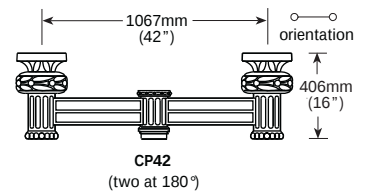


STYLE NAME COMBINATION	STEP 2 CAT. NO.	ARMS MOUNT
C Cleveland		
24" Cross Arm	24/2	2@180°
24" Cross Arm	24/4	4@90°
24" Cross Arm, 1 Center Tenon	24/2T	2@180°
24" Cross Arm, 1 Center Tenon	24/4T	4@90°
30" Cross Arm	30/2	2@180°
30" Cross Arm	30/4	4@90°
30" Cross Arm, 1 Center Tenon	30/2T	2@180°
30" Cross Arm, 1 Center Tenon	30/4T	4@90°
Wall Bracket	WB	
CP Castle Park		
42" Cross Arm	42/2/R(7)	2@180°
42" Cross Arm	42/4/R(7)	4@90°
42" Cross Arm, 1 Center Capital	42/2T/R(7)	2@180°
42" Cross Arm, 1 Center Capital	42/4T/R(7)	4@90°
Wall Bracket	WB/R(7)	
CS Cincinnati		
26" Cross Arm	C30/3	3@120°
26" Cross Arm, 1 Center Tenon	C30/3T	3@120°
30" Cross Arm	C30	2@180°
30" Cross Arm	C30/4	4@90°
30" Cross Arm, 1 Center Tenon	C30/2T	2@180°
30" Cross Arm, 1 Center Tenon	C30/4T	4@90°
Wall Bracket	WB	
LB Liberty		
33" Cross Arm	33/2	2@180°
33" Cross Arm	33/4	4@90°
33" Cross Arm, 1 Center Tenon	33/2T	2@180°
33" Cross Arm, 1 Center Tenon	33/4T	4@90°
Wall Bracket	WB	

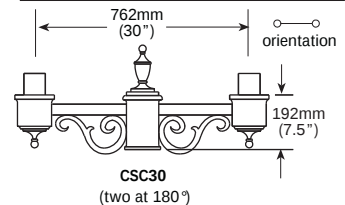
C | Cleveland



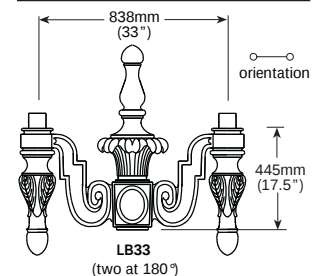
CP | Castle Park



CS | Cincinnati



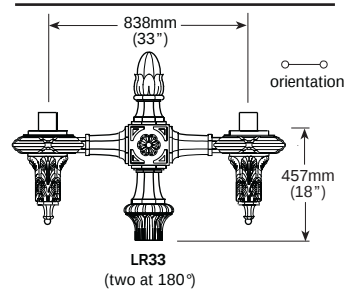
LB | Liberty



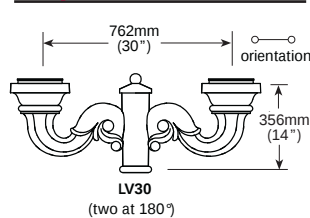
2 Style Name/Combination/Weight

STYLE NAME COMBINATION	STEP 2 CAT. NO.	ARMS MOUNT
LP Loredo		
33" Cross Arm	33/2	2@180°
	33/4	4@90°
33" Cross Arm, 1 Center Tenon	33/2T	2@180°
	33/4T	4@90°
Wall Bracket	WB	
LV Loveland		
26" Cross Arm	30/3/R(7)	3@120°
26" Cross Arm, 1 Center Capital	30/3T/R(7)	3@120°
30" Cross Arm	30/2/R(7)	2@180°
	30/4/R(7)	4@90°
30" Cross Arm, 1 Center Capital	30/2T/R(7)	2@180°
	30/4T/R(7)	4@90°
Wall Bracket	WB/R(7)	
NP Northbrook		
28" Cross Arm	28/2	2@180°
	28/4	4@90°
28" Cross Arm, 1 Center Tenon	28/2T	2@180°
	28/4T	4@90°
Wall Bracket	WB	
OM Ohio		
30" Cross Arm	30/2	2@180°
	30/4	4@90°
30" Cross Arm, 1 Center Tenon	30/2T	2@180°
	30/4T	4@90°
Wall Bracket	WB	
PCP Philadelphia		
31" Cross Arm	36/3	3@120°
31" Cross Arm, 1 Center Tenon	36/3T	3@120°
36" Cross Arm	36	2@180°
	36/4	4@90°
36" Cross Arm, 1 Center Tenon	36/2T	2@180°
	36/4T	4@90°
41.5" Cross Arm	48/3	3@120°
41.5" Cross Arm, 1 Center Tenon	48/3T	3@120°
48" Cross Arm	48	2@180°
	48/4	4@90°
48" Cross Arm, 1 Center Tenon	48/2T	2@180°
	48/4T	4@90°
Wall Bracket	WB	
RI Rhode Island		
39" Cross Arm	39/2	2@180°
	39/4	4@90°
39" Cross Arm, 1 Center Tenon	39/2T	2@180°
	39/4T	4@90°
Wall Bracket	WB	
W Washington		
27.5" Cross Arm	TA	2@180°
	TA/4	4@90°
27.5" Cross Arm, 1 Center Tenon	TA/2T	2@180°
	TA/4T	4@90°
Wall Bracket	WB	

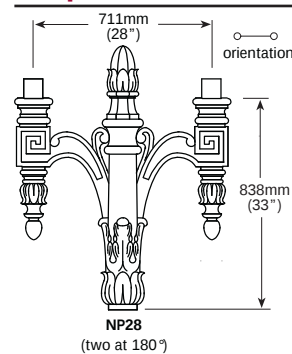
LR | Loredo



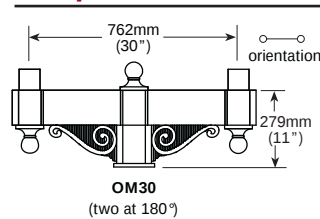
LV | Loveland



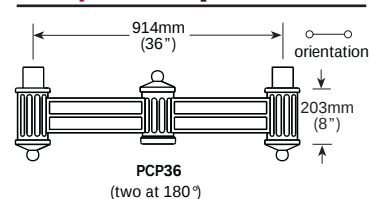
NP | Northbrook



OM | Ohio



PCP | Philadelphia



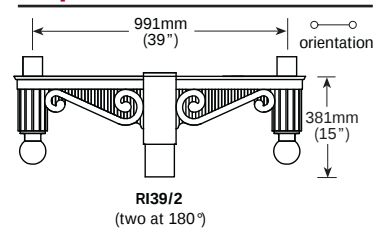
DECORATIVE

HISTORICAL

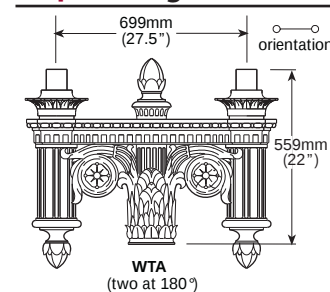
Decorative Post
Accessories

Cross Arms & Brackets

RI | Rhode Island



W | Washington



FEATURES:

- Permanent, cast iron/steel construction
- Structurally sound
- Attractive design
- Various arm lengths

DECORATIVE POST ACCESSORIES

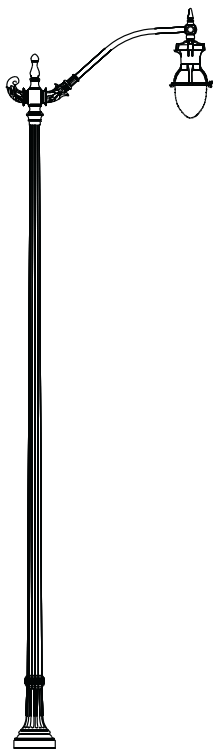
Cast Iron and Steel Posts with Bracket Arms for Pendant Luminaires

CES | NYES

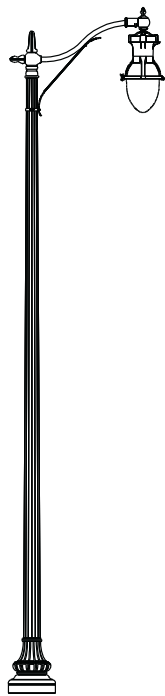
Example: NYES 1720 CISPP WLC 72/1 CAPPH LAB

How to Construct a Catalog Number

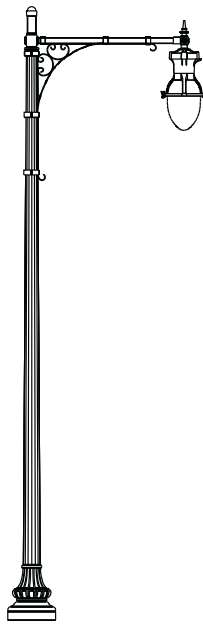
1 NYES		2 1720		3 CISPP		4 WLC	
STYLE NAME		POLE HEIGHT/BASE DIAMETER		POLE MATERIAL/FINISH		CROSS ARM STYLE	
CES	Columbia with Bracket Arms	Base – 20" Diameter		Cast Iron Base with Steel Shaft		WLC	West Liberty
NYES	North Yorkshire with Bracket Arms	Catalog #	Height	CISPP	Prime Painted	BHC	Boston Harbour
		CES Columbia		CISBK	Black	CAM	Camden
		1720	17'	CISDG	Dark Green		
		2020	20'	CISDB	Dark Bronze		
		2220	21'10"	CISCM ¹	Custom Color Match		
		NYES North Yorkshire		CISCS ¹	Color Selection (RAL#)		
		1820	18'	¹ Special			
		2120	21'				
		2320	22'10"				



NYES|North Yorkshire Post with
WLC|West Liberty Cross Arm



CES|Columbia Post with
BHC|Boston Harbour Cross Arm



CES|Columbia Post with
CAM|Camden Cross Arm



DECORATIVE
HISTORICAL
Decorative Post
Accessories
**Cast Iron &
Steel Posts with
Bracket Arms
for Pendant**

72/1		CAPPH		LAB	
5		6		7	
CROSS ARM LENGTH		CROSS ARM MATERIAL/FINISH		OPTIONS AND ACCESSORIES	
48/1	48" Single Arm	<u>Cast Iron Base with Steel Shaft</u>		See below	
72/1	72" Single Arm	CAPPH	Prime Painted		
96/2	48" Twin Arm @180°	CABKH	Black		
144/2	72" Twin Arm @180°	CADGH	Dark Green		
		CADBH	Dark Bronze		
		CACMH ¹	Custom Color Match		
		CACSH ¹	Color Selection (RAL#)		
		1 Special			

7 Options and Accessories

LAB	Less Anchor Bolts (add as suffix to catalog number)
FG-SXXH	Receptacle with Wet Location While Cover Closed
FGIUS-SXXH	Receptacle with Small, in-use Wet Location Cover
FGIUL-SXXH	Receptacle with Large, in-use Wet Location Cover
RB/GFI/WPC	Receptacle with Weatherproof Box and Cover for use in Base

FEATURES:

- Cast aluminum construction
- Premium powder coat finish
- Decorative variety

DECORATIVE POST ACCESSORIES

Street Signs

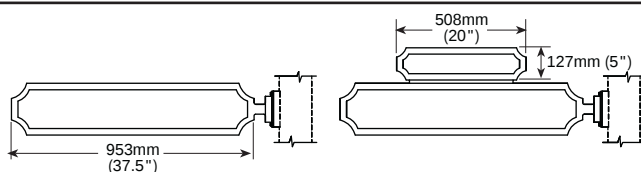
STS | 2STS

Example: STS1C PT S CA/BK

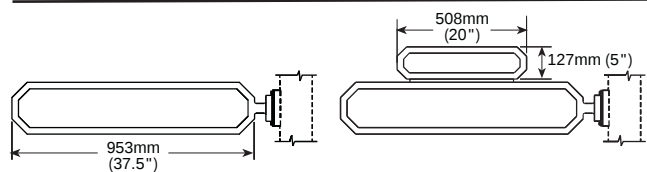
How to Construct a Catalog Number

STS1C	PT	S
1	2	3
SIGN NAME	MOUNTING OPTIONS	DECORATIVE OPTIONS
CURVED STS1C Single Frame STS2C Double Frame 2STS1C ^{1,2} Twin Single Frame 2STS2C ^{1,2} Twin Double Frame OCTAGONAL STS1O Single Frame STS2O Double Frame 2STS1O ^{1,2} Twin Single Frame 2STS2O ^{1,2} Twin Double Frame OVAL STS1 Single Frame STS2 Double Frame 2STS1 ^{1,2} Twin Single Frame 2STS2 ^{1,2} Twin Double Frame RECTANGULAR STS1R Single Frame STS2R Double Frame 2STS1CR ^{1,2} Twin Single Frame 2STS2R ^{1,2} Twin Double Frame	BO ¹ Bolt On CO XX ² Clamp On CO2(90)XX ² Clamp On, Twin Signs @ 90° PT Post Top PT2 Post Top, Twin Signs BA40/BO ¹ Banner Arm, 40", Bolt On BA40/CO Banner Arm, 40", Clamp On BA40/CO2(90)XX ² Banner Arm, 40", Clamp On, 2 @ 90° 1 For twin signs (with Bolt On mounting only) a 2 is added before the part number. 2 Fill in "XX" with diameter of post shaft at clamp in inches.	DECORATIVE OPTIONS S Scroll (on Sign or Banner Arm) AF Finial (on Post Top frame) S (on sign) S (on banner arm) AF (Curved Frames shown above)

STS1C | Single Curved Frame STS2C | Double Curved Frame



STS1O | Single Octagonal Frame STS2O | Double Octagonal Frame





DECORATIVE

HISTORICAL

Decorative Post
Accessories

Street Signs

CA/BK

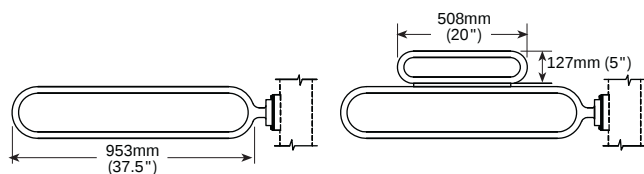
4

MATERIALS/FINISH

CA/BK	Cast Aluminum, Black (Standard)
CA/DB	Cast Aluminum, Dark Bronze
CA/DG	Cast Aluminum, Dark Green
CA/CC	Cast Aluminum, Custom Color (Special)

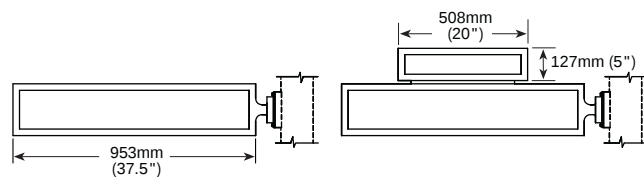
STS1 | Single Oval Frame

STS2 | Double Oval Frame



STS1R | Single Rectangular Frame

STS2R | Double Rectangular Frame



FEATURES:

- Cast Aluminum construction
- Premium powder coat finish
- Decorative variety

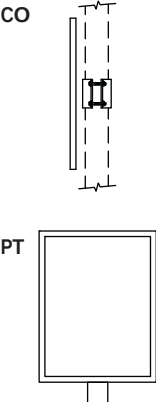
DECORATIVE POST ACCESSORIES

Traffic Signs

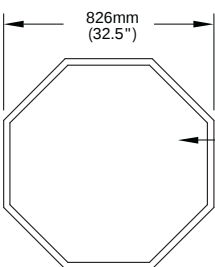
OCS | SQS | VRS | HRS | TRS | DIS

Example: OCS24 PT AF CA/BK

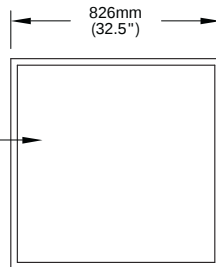
How to Construct a Catalog Number

1	2	3
OCS24	PT	AF
SIGN NAME	MOUNTING OPTIONS	DECORATIVE OPTIONS
OCTAGONAL OCS24 24" Sign OCS30 30" Sign SQUARE SQS18 18" Sign SQS24 24" Sign SQS30 30" Sign VERTICAL RECTANGULAR VRS1218 12" x 18" Sign VRS1824 18" x 24" Sign VRS2430 24" x 30" Sign HORIZONTAL RECTANGULAR HRS3018 30" x 18" Sign HRS3612 36" x 12" Sign TRIANGULAR TRS30 30" Sign TRS36 36" Sign DIAMOND DIS24 24" Sign DIS36 36" Sign	CO Clamp On (Clamps around post) PT Post Top (Mounts on top of post) 	AF Finial 

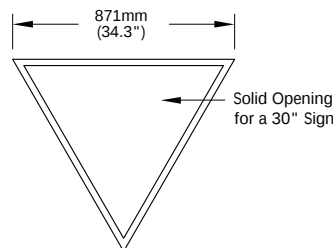
Octagonal



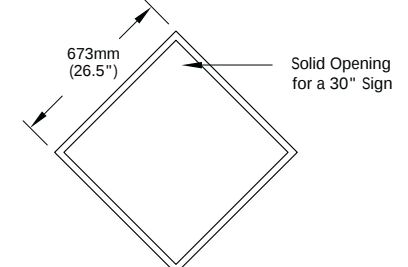
Square



Triangular



Diamond





DECORATIVE

HISTORICAL

Decorative Post
Accessories

Traffic Signs

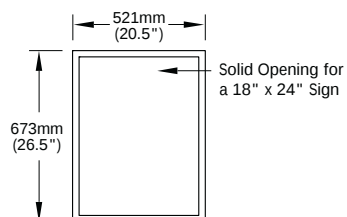
CA/BK

4

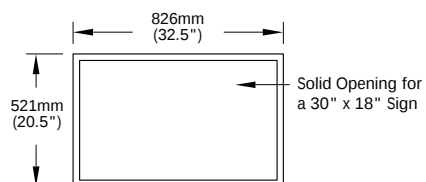
MATERIALS/FINISH

CA/BK	Cast Aluminum, Black (Standard)
CA/DB	Cast Aluminum, Dark Bronze
CA/DG	Cast Aluminum, Dark Green
CA/CC	Cast Aluminum, Custom Color (Special)

Vertical Rectangular



Horizontal Rectangular



FEATURES:

- Cast Aluminum construction
- Premium powder coat finish
- Variety of lengths

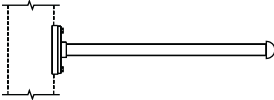
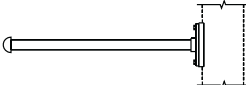
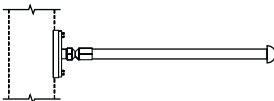
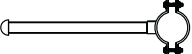
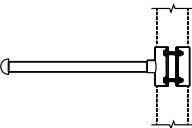
DECORATIVE POST ACCESSORIES

Banner Arms

BAXX | BBAXX

Example: BAXX H 1 BO 2EB EB/BO CA/BK

How to Construct a Catalog Number

BAXX	H	1	BO
1	2	3	4
BANNER	BANNER ARM END CAPS	BANNER ARM DIAMETERS	MOUNTING OPTIONS
BAXX ¹ Standard Banner Arm BBAXX ¹ Break-away Banner Arm 1 Fill in arm length in inches for "XX"	H Standard Half Sphere B Ball A Acorn R Raleigh  Half Sphere  Ball  Acorn  Raleigh	.75 .75" Pipe (1.05" O.D.) 1 Standard 1" Pipe (1.32" O.D.) 1.25 1.25" Pipe (1.66" O.D.) 1.5 1.5" Pipe (1.9" O.D.)	Bolt On BO Bolts onto post Clamp On COXX ¹ Clamps around post CO2(180)XX ¹ Two arms at 180° CO2(90)XX ¹ Two arms at 90° CO3(90)XX ¹ Three arms at 90° CO4(90)XX ¹ Four arms at 90° 1 Fill in "XX" with diameter of post shaft at clamp in inches
BAXX Standard 			Bolt On  
BBAXX Break-away 			Clamp On  



DECORATIVE

HISTORICAL

Decorative Post
Accessories

Banner Arms

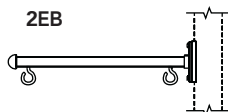
2EB

5

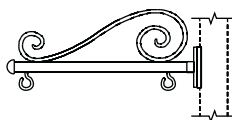
OPTIONS

2EB Two Eyebolts on Arm
S/2EB Decorative Scroll
and Eyebolts on Arm

2EB



S/2EB



EB/BO

6

EYEBOLTS

Bolt On Eyebolt

EB/BO

Bolts onto post

Clamp On Eyebolt

EB/COXX¹

Clamps around post

EB/CO2(180)XX¹

Two arms at 180°

EB/CO2(90)XX¹

Two arms at 90°

EB/CO3(90)XX¹

Three arms at 90°

EB /CO4(90)XX¹

Four arms at 90°

¹ Fill in "XX" with diameter of post shaft at clamp
in inches

CA/BK

7

MATERIALS/FINISH

Cast Aluminum

CA/BK

Black (Standard)

CA/DB

Dark Bronze

CA/DG

Dark Green

CA/CC

Custom Color (Special)

CA/PP

Prime Painted

FEATURES:

- Cast aluminum construction
- Premium powder coat finish
- Variety of lengths

DECORATIVE POST ACCESSORIES

Flagpole Holders

FPH

Example: FPH1 CO2(180)XX CA/BK

How to Construct a Catalog Number

FPH1

1

FLAGPOLE HOLDER

FPH.75	Flagpole Holder for .75" Post
FPH1	Flagpole Holder for 1" Post
FPH1.25	Flagpole Holder for 1.25" Post
FPH1.5	Flagpole Holder for 1.5" Post

CO2(180)XX

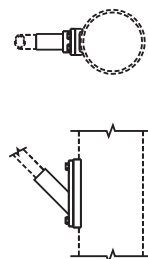
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MOUNTING OPTIONS

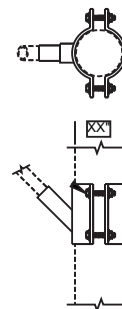
BO	Bolt On (Bolts onto post)
COXX ¹	Clamp On (Clamps around post)
CO2(180)XX ¹	Clamp On -Two arms at 180°
CO2(90)XX ¹	Clamp On -Two arms at 90°
CO3(90)XX ¹	Clamp On -Three arms at 90°
CO4(90)XX ¹	Clamp On -Four arms at 90°

1 Fill in "XX" with diameter of post shaft at clamp in inches

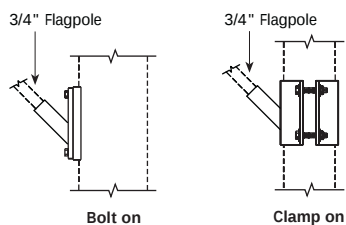
Bolt On Mounting



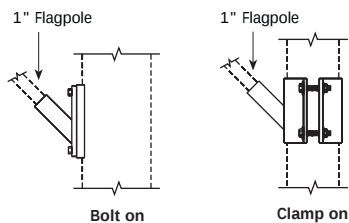
Clamp On Mounting



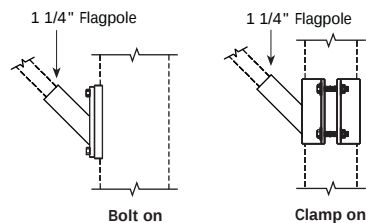
FPH.75 | Holder for .75" Post



FPH1 | Holder for 1" Post



FPH1.25 | Holder for 1.25" Post



DECORATIVE

HISTORICAL

Decorative Post
Accessories

Flagpole Holders



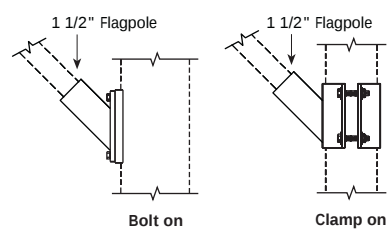
CA/BK

3

MATERIALS/FINISH

CA/BK	Cast Aluminum, Black (Standard)
CA/DB	Cast Aluminum, Dark Bronze
CA/DG	Cast Aluminum, Dark Green
CA/CC	Cast Aluminum, Custom Color (Special)
CA/PP	Cast Aluminum, Prime Painted

FPH1.5 | Holder for 1.5" Post



FEATURES:

- Cast aluminum construction
- Premium powder coat finish
- Decorative variety

DECORATIVE POST ACCESSORIES

Mailboxes

G Series | H Series | S Series | Industry Standard

Example: BOL/W54/14/BT SMB CA/BK

How to Construct a Catalog Number

BOL/W54/14/BT

1

BOLLARDS WITH MAILBOX

"G" Series

BOL/W54/14/BT	Wadsworth 14" Round Base
BOL/NY54/17/BT	North Yorkshire 17" Round Base
BOL/PT54/18/BT	Princeton Smooth 18" Hex Base
BOL/PT54/18FB/BT	Princeton Fluted 18" Base

"H" Series

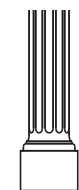
BOL/H36/10/M	Hamilton 10" Round Base
BOL/C34/13/M	Columbia 13" Round Base
BOL/CP37/18/M	Chesapeake 18" Round Base
BOL/CH41/12/M	Charleston 11.5" Round Base
BOL/W36/14/M	Wadsworth 14" Round Base
BOL/PT39/18/M	Princeton Smooth 18" Hex Base
BOL/PT41/18FB/M	Princeton Fluted 18" Hex Base
BOL/NY41/17/M	North Yorkshire 17" Round Base

"S" Series

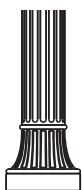
BOL/H36/10/M	Hamilton 10" Round Base
BOL/C34/13/M	Columbia 13" Round Base
BOL/CP37/18/M	Chesapeake 18" Round Base
BOL/CH41/12/M	Charleston 11.5" Round Base
BOL/W36/14/M	Wadsworth 14" Round Base
BOL/PT39/18/M	Princeton Smooth 18" Hex Base
BOL/PT41/18FB/M	Princeton Fluted 18" Hex Base
BOL/NY41/17/M	North Yorkshire 17" Round Base

Industry Standard

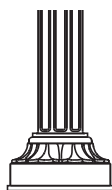
BOL/W54/14/BT	Wadsworth 14" Round Base
BOL/NY54/17/BT	North Yorkshire 17" Round Base
BOL/PT54/18/BT	Princeton Smooth 18" Hex Base
BOL/PT54/18FB/BT	Princeton Fluted 18" Base



H|Hamilton



C|Columbia



CP|Chesapeake



CH|Charleston

SMB

2

MAILBOX

"G" Series

GMB/LMS	Standard Mailbox with Long Support
GMB/SMS	Standard Mailbox with Short Support

"H" Series

HMB	H Series Mailbox with House Number Sign
-----	---

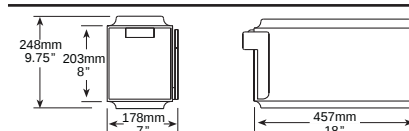
"S" Series

SMB	S Series Mailbox
-----	------------------

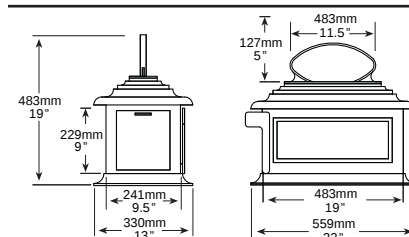
Industry Standard

IMB/LMS	Standard Mailbox with Long Support
IMB/SMS	Standard Mailbox with Short Support

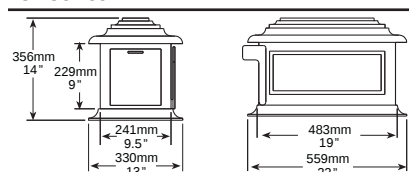
"G" Series



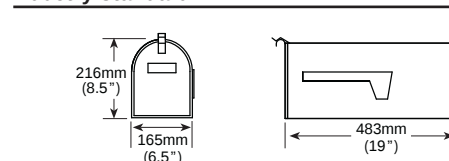
"H" Series



"S" Series



Industry Standard



DECORATIVE

HISTORICAL

Decorative Post
Accessories

Mailboxes



CA/BK

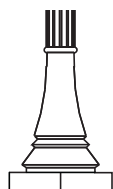
5

MATERIALS/FINISH

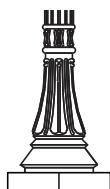
CA/BK	Cast Aluminum, Black (Standard)
CA/DB	Cast Aluminum, Dark Bronze
CA/DG	Cast Aluminum, Dark Green
CA/CC	Cast Aluminum, Custom Color (Special)
CA/PP	Cast Aluminum, Prime Painted



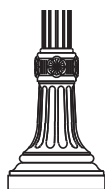
W|Wadsworth



PT|Princeton
Smooth base

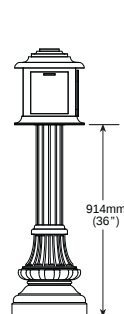


PT|Princeton
Fluted base

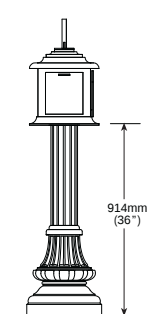


NY|North Yorkshire

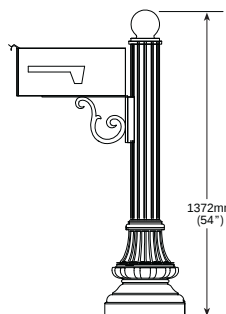
Shown below is the Wadsworth Series



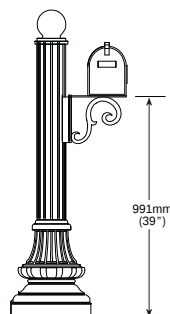
Mailbox



Mailbox with house
number sign



Mailbox with long
support



Mailbox with short
support

FEATURES:

- Traditional, ornamental design
- Various lengths
- Single or double arm mount options

DECORATIVE POSTS

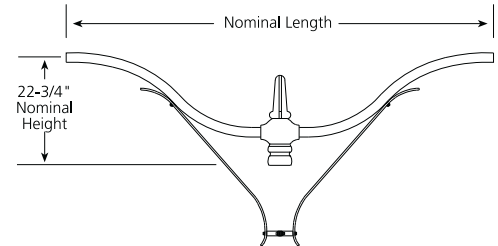
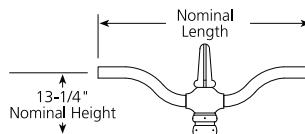
Decorative Roadway Arms

Example: CAM 48 CA BK

General Ordering Information

CAM	48	1	CA	BK
1	2	3	4	5
CROSSARM SERIES	LENGTH	NO. LUMINAIRES/FITTERS	MATERIAL	FINISH
ATC ATC Series BH Boston Harbour Series CAM Camden Series CVC CVC Series ELC ELC Series EVC EVC Series GAC GAC Series MGC MGC Series OUC OUC Series PSC PSC Series SBS SBS Series TLP TLP Series VGC VGC Series WLC West Liberty Series For specific catalog numbers, please refer to the detailed specification sheet on our website	Choose length from chart below *Single arm length is measured from center of arm to end of arm Double arm length is measured end of arm to end of arm	Choose quantity from chart below	Choose material from chart below	BK Black DB Bronze DG Dark green CS Custom select (RAL Color) CM Custom match (Customer sample)

BH | Boston Harbour Series

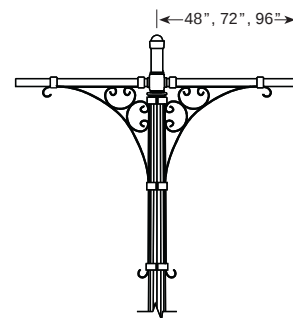


2 Arm Length/3 No. of Arms/4 Material

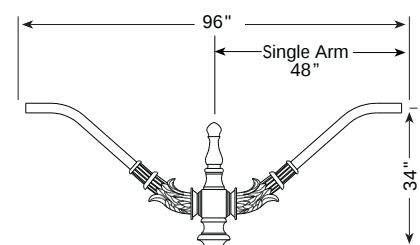
Crossarm Series Arm Length	No. of Arms	Material	Mounting Style
ATC ATC Series			
51	1	CA	Tenon
102	2	CA	Tenon
BH Boston Harbour Series			
48	1	CA	Tenon
72	1	CA	Tenon
96	2	CA	Tenon
144	2	CA	Tenon
CAM Camden Series			
48	1	CA	Tenon
72	1	CA	Tenon
96	2	CA	Tenon
144	2	CA	Tenon
CVC CVC Series			
27	1	CA	Tenon
54	2	CA	Tenon
ELC ELC Series			
27	1	CA	Tenon
54	2	CA	Tenon
54	4	CA	Tenon
EVC EVC Series			
28	1	CA	Tenon
56	2	CA	Tenon
GAC GAC Series			
48	1	CA	Tenon
96	2	CA	Tenon
MGC MGC Series			
36	1	CA	Tenon
72	2	CA	Tenon

Crossarm Series Arm Length	No. of Arms	Material	Mounting Style
OUC OUC Series			
45	1	CA	Tenon
90	2	CA	Tenon
PSC PSC Series			
24	1	CA	Clamp-On
24	2	CA	Clamp-On
24	4	CA	Clamp-On
SBS SBS Series			
39	1	CA	Tenon
78	2	CA	Tenon
78	4	CA	Tenon
TLP TLP Series			
52	1	CA	Clamp-On
52	2	CA	Clamp-On
52	1	CS	Clamp-On
52	2	CS	Clamp-On
VGC VGC Series			
60	1	CS	Mounting Plate
73	1	CS	Mounting Plate
120	2	CS	Mounting Plate
146	2	CS	Mounting Plate
WLC WLC Series			
48	1	CA	Tenon
72	1	CA	Tenon
96	2	CA	Tenon
144	2	CA	Tenon

CAM | Camden Series



WLC | West Liberty Series

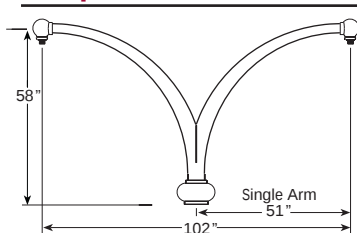


**DECORATIVE
HISTORICAL**
Decorative Posts
Decorative
Roadway Arms

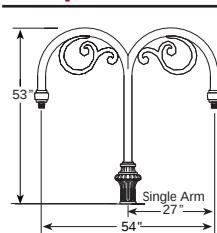


For specific catalog numbers, please refer to the detailed specification sheet on our website: www.holophane.com

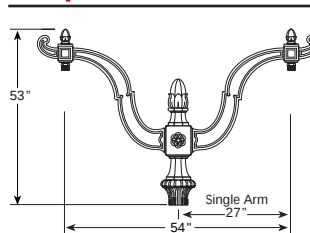
ATC | ATC Series



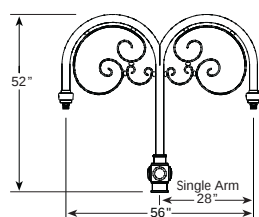
CVC | CVC Series



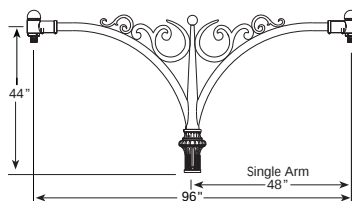
ELC | ELC Series



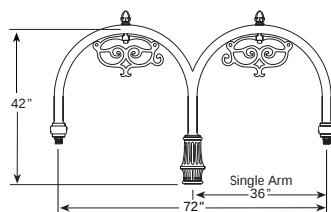
EVC | EVC Series



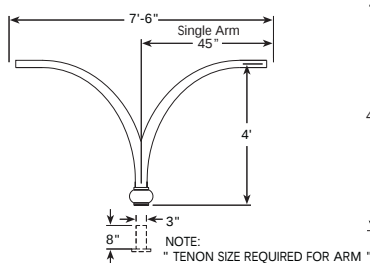
GAC | GAC Series



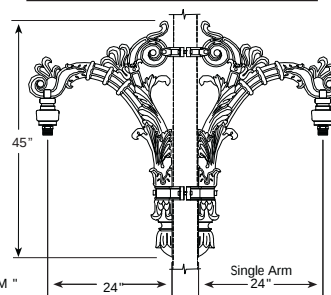
MGC | MGC Series



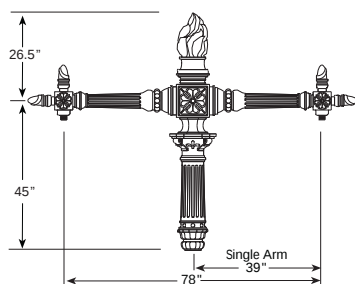
OUC | OUC Series



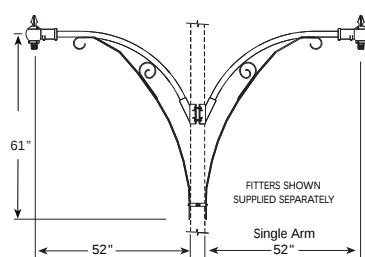
PSC | PSC Series



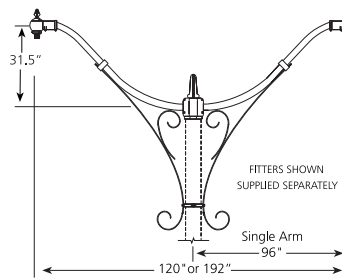
SBS | SBS Series



TLP | TLP Series



VGC | VGC Series



FEATURES:

- Aluminum construction
- Variety of paint finishes
- Corrosion resistant
- Hinged for luminaire access

POLES

Aluminum Round Hinged Aluminum Round Straight

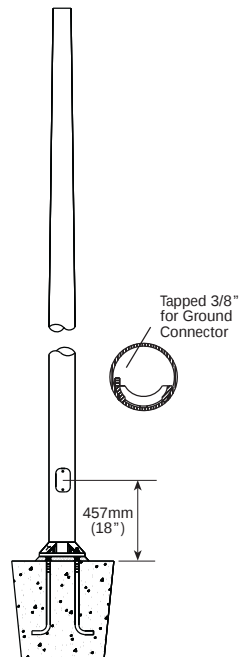
TAPERED | STRAIGHT

Example: 0708 30504 T H TN3 B 3TDR12515

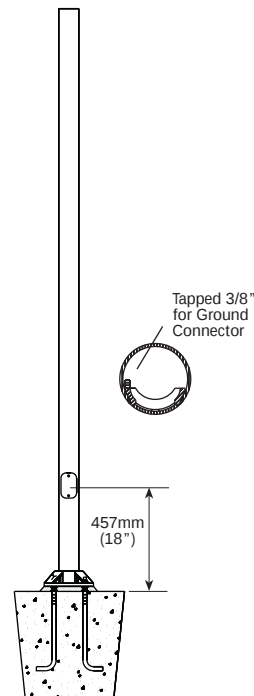
How to Construct a Catalog Number

0708	30504	T	H
1	2	3	4
POLE HEIGHT	SHAFT DIAMETER AND THICKNESS	SHAFT SHAPE	BASE
Round Tapered (Hinged)	TopBaseWall	T Round Tapered Aluminum	H 4 Bolt Hinged Base
0708 7'8"	30504 3" 5" .125"	S Round Straight Aluminum	4 4 Bolt Anchor Base with Nut Covers, Handhole and Tenon
0908 9'8"	30505 3" 5" .156"		3 3 Bolt Anchor Base with Spun Aluminum Slip Over Base Cover, 1.5" Wire access in Base and Tenon
1108 11'8"	30506 3" 5" .188"		
1308 13'8"	ShaftWall		
1508 15'8"	40404 4" .125"		
1708 17'8"	50504 5" .125"		
1908 ¹ 19'8"	50505 5" .156"		
	50506 5" .188"		
Round Straight (Hinged)			
0800 8'			
1000 10'			
1200 12'			
1400 14'			
1600 16'			
1800 18'			
2000 20'			
Round Straight			
1000 10'			
1200 12'			
1400 14'			
1600 16'			
1800 18'			
2000 20'			
1 3 Bolt only			

0708 | Round Tapered Aluminum



1000 | Round Straight Aluminum





DECORATIVE

HISTORICAL

Poles

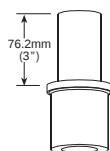
Aluminum
Round Hinged/
Aluminum
Round Straight

TN3

5

TENON

TN3 2.875" O.D. x 3" High Tenon



B

6

FINISH

SB	Satin Brushed
NA	Natural Anodize
AX¹	Dark Bronze Anodized
AD	Black Anodize
B	Black Painted
Z	Dark Bronze Paint
CC	Custom Finish

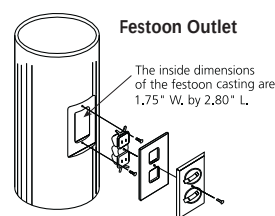
1 Duranodic 313

3TDR12515

7

OPTIONS

See below



7 Options and Accessories

3DR12515¹	Festoon Outlet – 3 Prong Duplex Receptacle
3TSR12515¹	Festoon Outlet – 3 Prong Twist-off Single Receptacle
3TDR12515¹	Festoon Outlet – 3 Prong Twist-off Duplex Receptacle
3DR12520G²	Festoon Outlet – 3 Prong Twist-off Duplex Receptacle
HH	Peripherally Reinforced Handhole in Shaft with Flush Cover
LAB	Less Anchor Bolts

Options for Aluminum Round Straight

221792	Square Cast Aluminum Interlocking Base Cover – 4" Poles
221806	Square Cast Aluminum Interlocking Base Cover – 5" Poles
220761³	Spun Aluminum Slip Cover Base Cover – 4" Poles
220753³	Spun Aluminum Slip Cover Base Cover – 5" Poles

1 125V - 15amps

2 125V - 20amps with Ground Fault Circuit Interrupter

3 4 Bolt only

POLES

RTA

Round Tapered Aluminum 3 Bolt Pedestal and Direct Embedment

Simple Round Tapered Aluminum – 3 or 4 Bolt Anchor Base

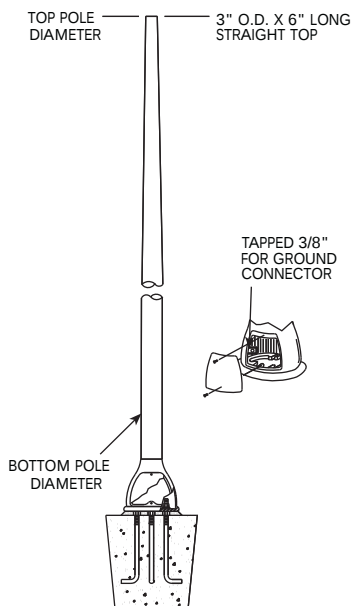
Example: 1108 30504 T E SB HH

How to Construct a Catalog Number

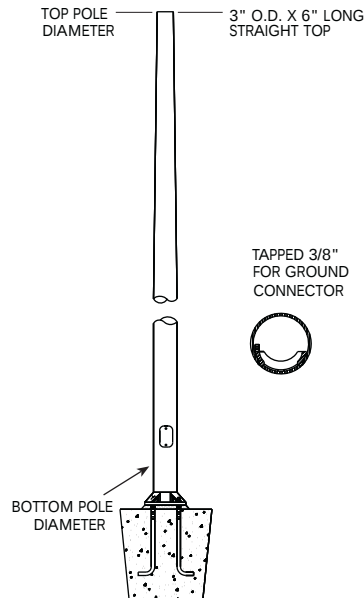
1108	30504	T	E
1	2	3	4
POLE HEIGHT	SHAFT DIAMETER AND THICKNESS	SHAFT SHAPE	BASE
Round Tapered			
0908 9'8"	30404 ¹ 3" 4" .125"	T Tapered	Round Tapered
1108 11'8"	30504 ² 3" 5" .125"		P 3 Bolt Pedestal with Handhole in Base
1308 13'8"	30505 ² 3" 5" .156"		E Direct Embedment and Wire Entrance Below Grade
1508 15'8"	30506 3" 5" .188"		Simple Round Tapered
1708 17'8"			3 3 Bolt Anchor Base
1908 ¹ 19'8"			4 ¹ 4 Bolt Anchor Base
Simple Round Tapered			
0708 7'8"			1 Not available on "1908"
0908 9'8"			
1108 11'8"			
1308 13'8"			
1508 15'8"			
1708 17'8"			
1908 ¹ 19'8"			

1 3 Bolt only

P | Round Tapered Aluminum 3 Bolt Pedestal



3 | Simple Round Tapered Aluminum 3 Bolt Anchor Base





DECORATIVE

HISTORICAL

Poles

Aluminum
Round Tapered

SB

5

FINISH

SB	Satin Brushed
NA	Natural Anodize
AX ¹	Dark Bronze Anodized
AD	Black Anodize
B	Black Painted
Z	Dark Bronze Paint
CC	Custom Finish

1 Duranodic 313

HH

6

OPTIONS AND ACCESSORIES

3DR12515 ¹	Festoon Outlet – 3 Prong Duplex Receptacle
3TSR12515 ¹	Festoon Outlet – 3 Prong Twist-off Single Receptacle
3TDR12515 ¹	Festoon Outlet – 3 Prong Twist-off Duplex Receptacle
3DR12520G ²	Festoon Outlet – 3 Prong Twist-off Duplex Receptacle
HH ⁴	Peripherally Reinforced Handhole in Shaft with Flush Cover
LAB	Less Anchor Bolts
221792	Square Cast Aluminum Interlocking Base Cover – 4" Poles
221806	Square Cast Aluminum Interlocking Base Cover – 5" Poles
220761 ³	Spun Aluminum Slip Cover Base Cover – 4" Poles
220753 ³	Spun Aluminum Slip Cover Base Cover – 5" Poles

1 125V - 15amps

2 125V - 20amps with Ground Fault Circuit Interrupter

3 4 Bolt only

4 For "E" only

POLES

Round Tapered Steel Poles

S

FEATURES:

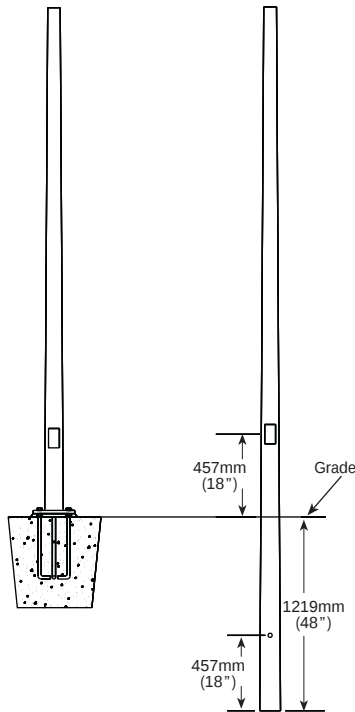
- Steel construction
- Variety of paint finishes
- Tapered shaft design
- Corrosion resistant
- Superior strength
- Pedestal/anchor base or direct embedment

Example: S G RT 12 J LAB

How to Construct a Catalog Number

S	G	RT	12	J
1	2	3	4	5
MATERIAL	FINISH	SHAFT SHAPE	POLE HEIGHT	BASE
S Round Tapered Steel	P Prime Painted G Galvanized Z Dark Bronze Paint B Black Paint CC Custom Finish	RT Round Tapered	10 10' 12 12' 14 14' 16 16' 18 18' 20 20'	J 3 Bolt Anchor Base with Cap Nut and Handhole E 4' Direct Embedment with Wire Entrance Below Grade and Handholed

S | Round Tapered Steel



LAB

6

OPTIONS AND ACCESSORIES

LAB	Less Anchor Bolts for "J" only
BC	Base Cover for "J" only

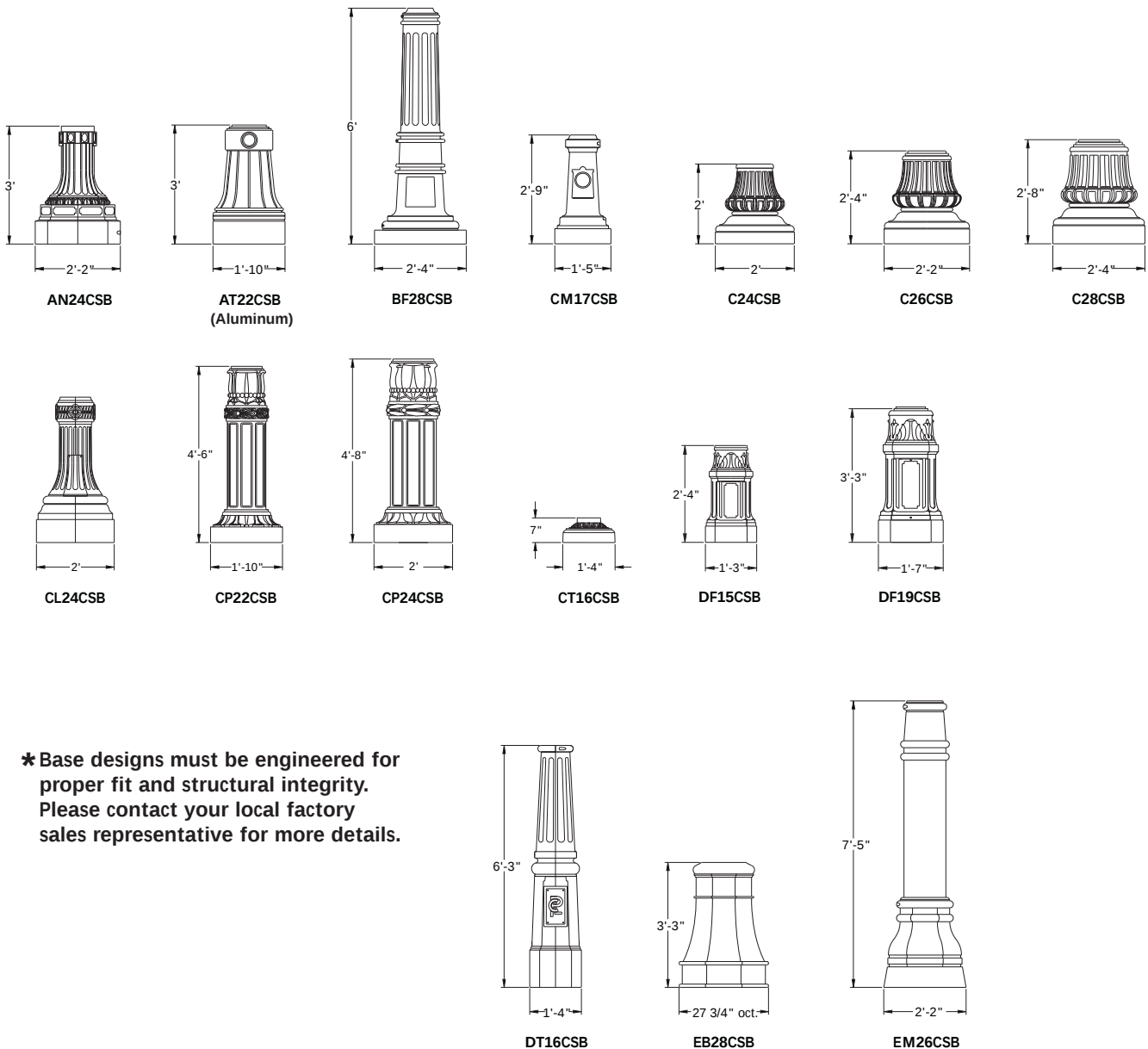
FEATURES:

- Variety of styles
- Attractive, ornamental design
- Robust construction

BASES

Clamshell Bases

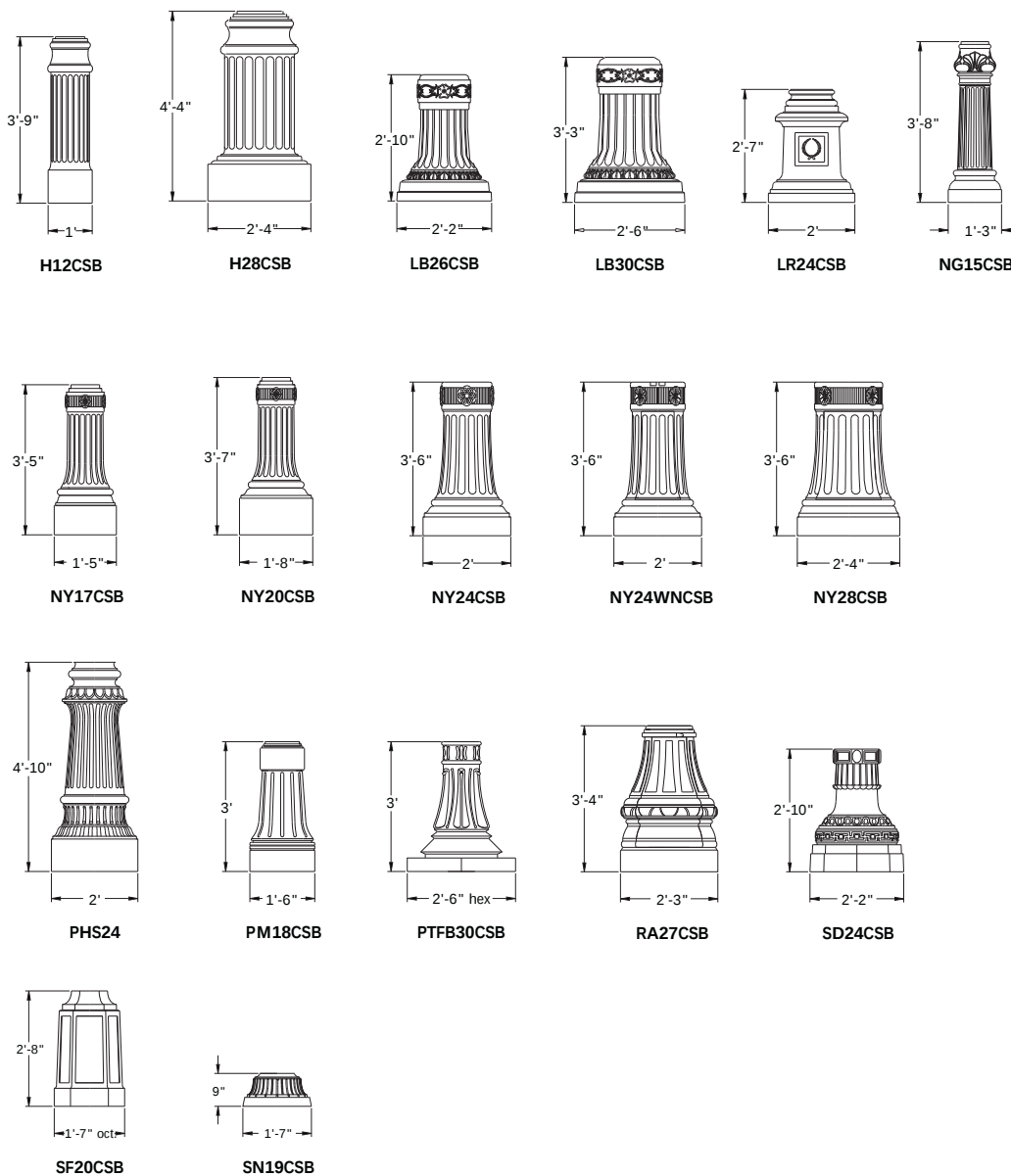
Catalog Numbers Shown Below



***Base designs must be engineered for proper fit and structural integrity. Please contact your local factory sales representative for more details.**



DECORATIVE
HISTORICAL
Bases
Clamshell
Bases



Specialty Landscape

Holophane Specialty Landscape is a broad offering of lighting equipment for illuminating architecture and exterior surroundings. Holophane provides a blend of design and performance that is unique in outdoor lighting, providing building owners and architects a wide-range of applications with reliable, long-lasting up lighting products.

Flood Lighting

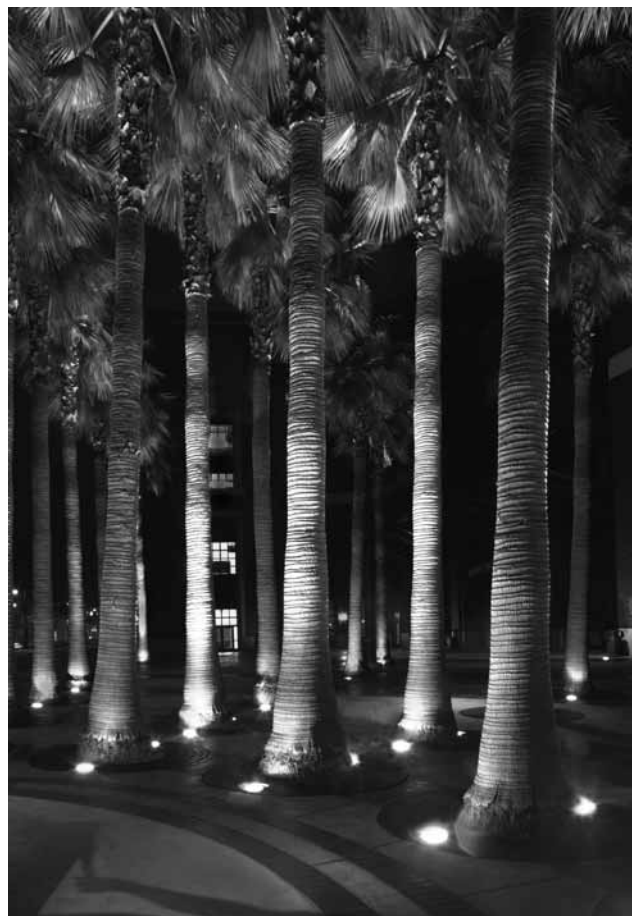
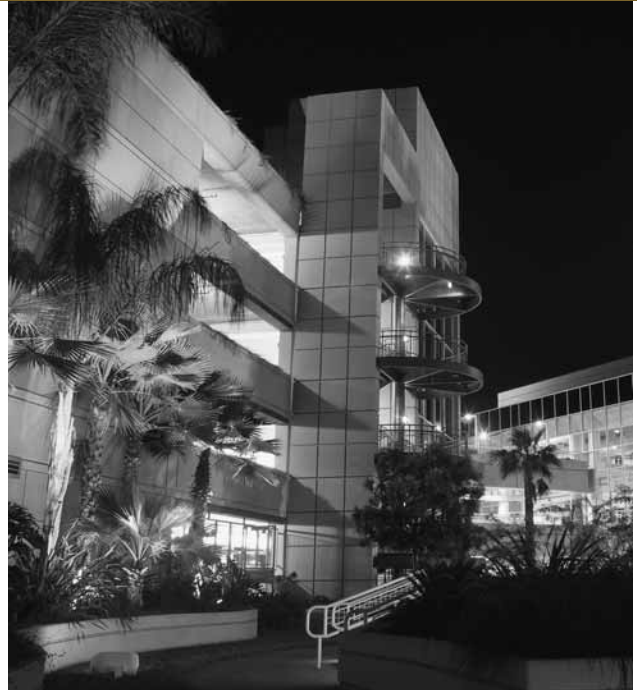
- **Optical precision**
- **Glare control**
- **Color filtering**
- **Intelligent design**

Pathway Lighting

- **Rugged design**
- **Cool operation**
- **Versatility**

TYPICAL APPLICATIONS:

City Plazas/Parks
Campuses
Walkways
Gardens
Docks
Pools
Architectural Facades
Sculptures



Specialty Landscape

Bollards Well Lighting Water and Fountain Compact Flood High Performance Flood In Grade LED Trailblazer®

Lighting solutions...

A Complete Architectural Offering

Holophane has always worked closely with customers and their professional resources to meet special requirements. Holophane's new line of Specialty Landscape products provides unique solutions for lighting spectacular exterior architecture, landscaping, pathways, fountains and pools.

Floodlighting

Holophane's H700 and H800 Series floodlights provide lighting performance with a vast array of advanced optical choices for creating a wide variety of lighting effects, combining today's smaller, more efficient lamps with precision reflectors.

Optical

Holophane optical systems deliver excellent beam and distribution control, offering numerous choices for architectural and landscape applications. Reflector designs use hydro-formed and/or segmented aluminum elements with diffuse or specular surfaces to produce precise distributions.

Glare Control

Holophane Specialty Landscape products are also available with a variety of glare control options and accessories to minimize light trespass concerns. Glare controls are essential as an integral part of the product offering, and can be incorporated as an internal assembly component or an external accessory.



Color

In addition, Holophane offers a wide variety of diachronic color filters for a range of architectural lighting products. Color filtering can alter the basic light source to produce desired effects and interact with the human eye and ambient conditions.

Intelligent Design

Intelligent design assures a quality product is placed on the job. Owners can expect long product life and superior performance from the product's rugged design.

Pathway Lighting

From Well Lighting to In-Grade to Louvered Bollards, Holophane Specialty Landscape delivers rugged design with functional performance.

Rugged Design

Specialty Landscape products are structurally unmatched, utilizing superior materials, and long-lasting finishes for a decades of use with minimal maintenance.

Cool Operation

Holophane Well and In-Grade products are designed to run cooler than competitive brands. While Holophane well-lights have extended depth configurations, the in-grade products rely on convection technology for cooler operation to provide safe and longer lasting product.

Versatility

Holophane's Well and In-Grade lighting are easy to aim and are adjustable for tilting and locking onto an aim-point for lighting precision.

HOLOPHANE® Specialty Landscape

BOLLARDS



H101



H102



H103



H104

WELL LIGHTING



H310

WATER AND FOUNTAIN

BASE MOUNT AND YOKE MOUNT



H424 BM YM



H427 BM YM



H428 BM

NICHE MOUNT



H418 NM ANM



H421 NM

COMPACT FLOOD



H700



H710



H720

HIGH PERFORMANCE FLOOD

ADJUSTABLE WALL MOUNT



H810

IN-GRADE



H670



H900



H910

LED TRAILBLAZER



LT

Product Selection Matrix

WATER AND FOUNTAIN



H330



H335



H350



H418 BM YM



H421 BM YM

NICHE MOUNT/SWIMMING POOL



H424 NM / H427 NM



H421 NM SWM



H428 NM SWM



H425 SWM



H427 SWM

YOKE MOUNT



H820



H810



H820

POLE MOUNT



H810



H820



LTD



Stirrup Mounting

Bollards

H101 | H102 | H103 H104

A The H100 Series louvered bollard provides simplified geometric forms that will both complement and blend with a variety of architectural settings. Rugged in design and functional in performance, these bollards will meet even the most demanding installation requirements.

A patented 6-point internal level/mount technology makes the external mounting screws and leveling methods of existing bollards obsolete. A performance based louver system utilizing a low glare upper surface combined with a high reflectance louver surface maximizes light output while reducing offensive glare common in most bollards.

FEATURES:

- Long term durability
- Durable, interlocking louver assembly
- Extruded aluminum pillar
- Vandal resistant base
- Convenient ballast access
- IESNA cutoff and reduced glare

Example: H101 42 100S 120 SYM SF LPI BK

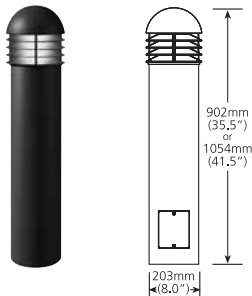


How to Construct a Catalog Number

H101	42	100S	120	SYM
1	2	3	4	5
LUMINAIRE	HEIGHT	WATTAGE ¹	VOLTAGE	DISTRIBUTION
H101 Dome Top, Round Louvers H102 Flat Top, Round Louvers H103 Peak Top, Square Louvers H104 Flat Top, Square Louvers	36¹ 36" (small) 42¹ 42" (large) 1 See dimensions below for specific heights for each bollard style	Fluorescent 26DTT GX24Q-3 32TRT GX24Q-3 42TRT GX24Q-4 Metal Halide 50M² ED17 Med. 50CM² ED17 Med. 70M² ED17 Med. 70CM² ED17 Med. 100M² ED17 Med. 100CM² ED17 Med. 35CMT6³ T6 G12 70CMT6³ T6 G12 20CMT4³ T4 G8.5 35CMT4³ T4 G8.5 70CMT4³ T4 G8.5 High Pressure Sodium 50S¹ E17 Med. 70S¹ E17 Med. 100S¹ E17 Med.	120 120V 208 208V 220 220V 240 240V 277 277V 347 347V 120/277 120/277V Multi-tap, factory wired MA 20V only MB 208V only MC 240V only MD 277V only VT¹ Vari-tap	Internal SYM Symmetrical, 360° FT Forward Throw, 180°

1 Available with "GEB" option only or with fluorescent lamps

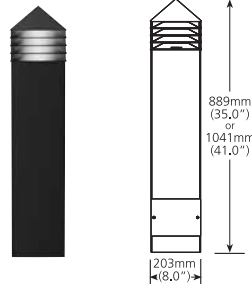
H101 | Dome



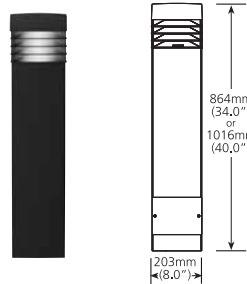
H102 | Round



H103 | Peaked



H104 | Square





SPECIALTY LANDSCAPE

Bollards

SF

6

OPTIONS

Fusing

SF¹ Single Fuse

DF² Double Fuse

Ballast³

GEB Electronic Ballast

Receptacle

GFCI Receptacle

DR Duplex Receptacle

Emergency

EL N Battery Backup (half output)

EL H Battery Backup (full output)

Holophane magnetic ballast is standard for HID lamps unless specified otherwise

1 Available with 120, 277 or 347V on HID only

2 Available with 208, 220 or 240V on HID only

3 Available with "GEB" option only or with fluorescent lamps

LPI

7

LAMP

LPI Lamp Included

LPIC Lamp Included, Coated

BK

8

FINISH

BK Black

BD Dark Blue

BM Brown Metallic

BZ Bronze

GH Graphite

GN Green

GR Gray

WH White

SD Sandstone

AS As Specified

H101



H102



H103



H104



Well Lighting

H310 | H330 | H335 H350

The Well Lighting Series includes round or square grills with several louver options and a wide selection of lamps. Well depths are adjustable and maintain low lens temperature for heat-sensitive, high traffic applications.

Foremost among the most significant advances for well lighting is modular design. Water penetration ceases to be a problem when all critical components – lamp, ballast, and connectors – are installed as presealed watertight modules. Installation becomes at least 50% faster. Maintenance is no longer a tricky problem. Modular design adds up to time and money saved.

FEATURES:

- Adjustable well depths
- Modular design
- Superior performance
- Watertight connectors
- Ease of installation
- Corrosion resistant material
- Factory sealed optics and power module

Example: H310 A M50 12 NSP 12B GEB LPI BK



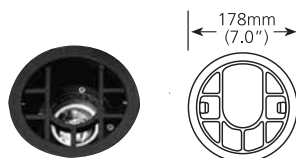
How to Construct a Catalog Number

H310	A	M50	12	NSP
1	2	3	4	5
LUMINAIRE	MATERIAL	WATTAGE	VOLTAGE	DISTRIBUTION
H310 Well Light	A Aluminum B Bronze	Incandescent P2035I 35W PAR20 P2050I 50W PAR 20 Low Voltage M20 20W MR-16 GX5.3 M35 35W MR-16 GX5.3 M50 50W MR-16 GX5.3 Metal Halide P2035CM 35W MH PAR20 20CMT4 ¹ 20W MH T4 35CMT4 ¹ 35W MH T4	12 ¹ 12V 120 120V 220 220V 240 240V 277 277V 208 208V 347 347V VT ² Vari-tap	NSP Narrow Spot SP Spot NFL Narrow Flood FL Flood MFL Medium Flood WFL Wide Flood

1 Requires "GEB" ballast option

1 Transformer not included, sold separately
2 Standard on all MH lamps with GEB ballast option

H310 | Well Light

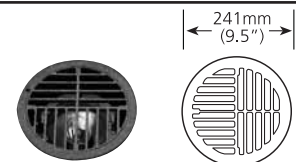


Example: H350 A 70S 120 SP CLC 34B DEL ASR IJB LPI BK

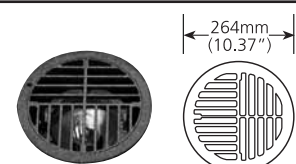
How to Construct a Catalog Number

H350		A	70S		120	SP			
1	2	3		4	5				
LUMINAIRE		MATERIAL		WATTAGE		VOLTAGE		DISTRIBUTION	
H330	9 1/2" Well Light	A	Aluminum	H330-H335	Incandescent	12 ^{1,2}	12V	FL	Flood
H335	10 3/8" Well Light	B	Bronze	P3050I	PAR 30 MED	120	120V	SP	Spot
H350	11 1/2" Well Light			P3075I	PAR 30 MED	208	208V	NSP ^{1,2}	Narrow Spot
				Low Voltage		220	220V	NFL ^{1,2}	Narrow Flood
				M50	MR 16 GX5.3	240	240V	WFL ^{1,2}	Wide Flood
				M75	MR 16, GX5.3	277	277V		
				Metal Halide		347	347V		
				50M	E17 MED	VT ^{2,3}	Vari-tap		
				70M	E17 MED			1	Available with PAR and MR16 lamps only
				100M	E17 MED			2	Available with "H330" only
				P3035CM	PAR 30 MED			3	Not available with low voltage lamps
				P3070CM	PAR 30 MED				
				35CMT6	T6 G12				
				70CMT6	T6 G12				
				HPS					
				70S	E17 MED				
				100S	E17 MED				
				150S	E17 MED				

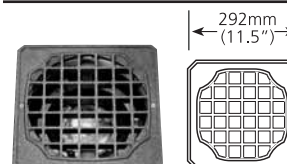
H330 | Well Light



H335 | Well Light



H350 | Well Light



Well Lighting



H310



H330



H335



H350

12B**6****CONDUIT ENTRIES**

12B	1/2" NPT Bottom
34B	3/4" NPT Bottom

GEB**7****OPTIONS****GEB¹** Electronic Ballast

Holophane magnetic ballast is standard for HID lamps unless specified otherwise

1 Available only with MH lamps and VT voltage

LPI**8****LAMP****LPI** Lamp Included**BK****9****FINISH**

BK	Black
BD	Dark Blue
BM	Brown Metallic
BZ	Bronze
GH	Graphite
GN	Green
GR	Gray
WH	White
SD	Sandstone
AS	As Specified

1 Finish available on aluminum luminaire only

CLC**6****LENS**

CLC¹	Convex Lens, Clear
CLF	Convex Lens, Frosted

1 CLC default if lens option not chosen

34B**7****CONDUIT ENTRIES****34B** 3/4" NPT Bottom**DEL****8****GRILL**

DEL	Directional Eggcrate Louver, Square
DL	Directional Louver, Round
FEL	Full Eggcrate Louver, Square

ASR**9****ACCESSORIES**

ASR	Re-lamping Ring
CTR¹	Concrete Trim Ring

1 Only available with "DL" on "H350"

IJB**10****OPTIONS**

SF¹	Single Fuse
DF²	Double Fuse
IJB³	Internal Junction Box

1 Available with 120 or 277V only

2 Available with 208, 220, 240, or 347V only

3 Available with "H350" only

LPI**11****LAMP****LPI** Lamp Installed**BK****12****FINISH**

BK	Black
BD	Dark Blue
BM	Brown Metallic
BZ	Bronze
GH	Graphite
GN	Green
GR	Gray
WH	White
SD	Sandstone
AS	As Specified

1 Finish available on aluminum luminaire only

Holophane's base and yoke mounted styles accommodate a wide variety of installations and water effects. Base mounted models are free-standing. Yoke mounted models are designed for stud or mounting bolts. Holophane reflection pool and fountain pool lights are built to meet or surpass Underwriter Laboratories standards, as well as those of the National Electric Code and NEMKO, per standard IEC 598. They meet the safety requirements for fountains and decorative pools.

Water & Fountain Base and Yoke Mount

H418 | H421

FEATURES:

- Low water cutoff
- Superior performance
- Compact, ideal for shallow pools

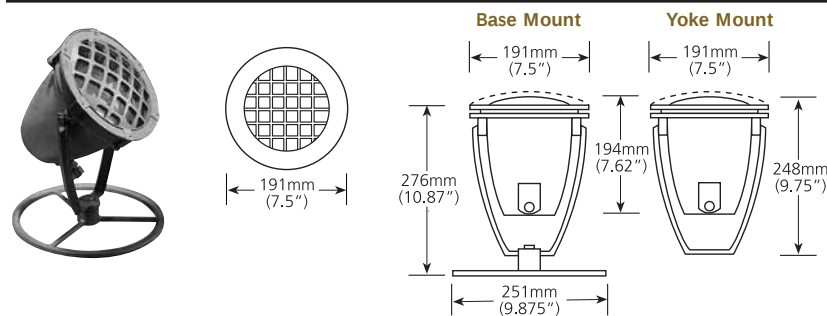


Example: H418 P38100I 120 FL CLC BM CSLX LPI

How to Construct a Catalog Number

H418	P38100I	120	FL	CLC	BM
1	2	3	4	5	6
LUMINAIRE	WATTAGE	VOLTAGE	DISTRIBUTION ¹	LENS	MOUNTING
H418 H418 BM YM	P38100I PAR 38 MED P38150I PAR 38 MED P38250I PAR 38 MED 1 P38250I is default if no lamp is chosen	120 120V	FL Flood SP Spot 1 Distribution only required if LPI is chosen	CLC ¹ Convex Lens, Clear CLA Convex Lens, Amber CLB Convex Lens, Blue CLG Convex Lens, Green CLR Convex Lens, Red 1 CLC default if lens option not chosen	BM Base Mount YM Yoke Mount

H418 | BM YM

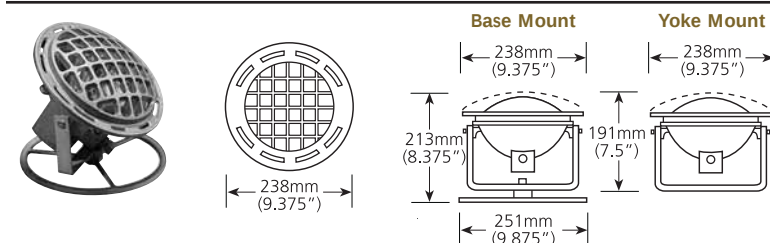


Example: H421 100Q 120 CLC BM CSLX LPI

How to Construct a Catalog Number

H421	100Q	120	CLC	BM
1	2	3	4	5
LUMINAIRE	WATTAGE	VOLTAGE	LENS	MOUNTING
H421 H421 BM YM	100Q T4 Mini-can 150Q T4 Mini-can 250Q T4 Mini-can 400Q T4 Mini-can 500Q ¹ T4 Mini-can 1 500Q is default if no lamp is chosen	120 120V	CLC ¹ Convex Lens, Clear CLA Convex Lens, Amber CLB Convex Lens, Blue CLG Convex Lens, Green CLR Convex Lens, Red 1 CLC default if lens option not chosen	BM Base Mount YM Yoke Mount

H421 | BM YM





SPECIALTY LANDSCAPE

Water & Fountain



H418 BM



H421 BM

CSLX

7

CORD SET LENGTH

CSLX¹ Cord

1 X = feet, cord available in 5' increments from 10' to 120'

LPI

8

LAMP

LPI Lamp Included

CSLX

6

CORD SET LENGTH

CSLX¹ Cord

1 X = feet, cord available in 5' increments from 10' to 120'

LPI

7

LAMP

LPI Lamp Included

Holophane's base and yoke mounted styles accommodate a wide variety of installations and water effects. Base mounted models are free-standing. Yoke mounted models are designed for stud or mounting bolts. Holophane reflection pool and fountain pool lights are built to meet or surpass Underwriter Laboratories standards, as well as those of the National Electric Code and NEMKO, per standard IEC 598. They meet the safety requirements for fountains and decorative pools.

Water & Fountain Base and Yoke Mount

H424 | H427 | H428

FEATURES:

- Low water cutoff
- Superior performance
- Ideal for fountains and reflecting pools

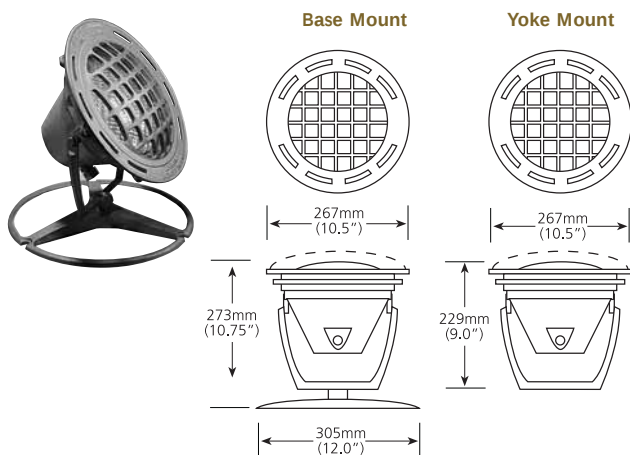


Example: H424 B P56300I 120 MFL CLC BM CSLX LPI

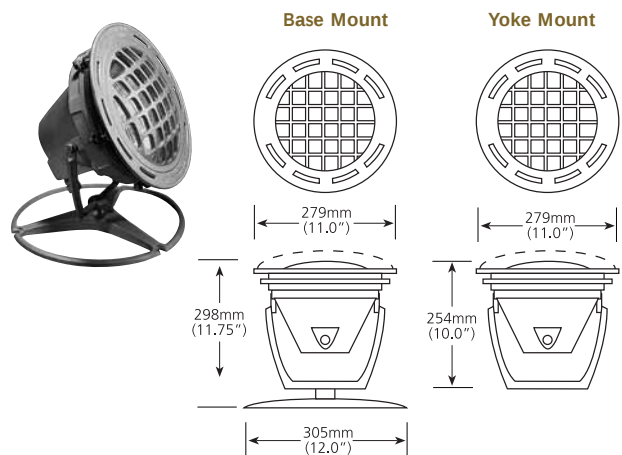
How to Construct a Catalog Number

H424	B	P56300I	12	MFL	CLC
1	2	3	4	5	6
LUMINAIRE	MATERIAL	WATTAGE	VOLTAGE	DISTRIBUTION	LENS
H424 H424 BM YM H427 H427 BM YM H428 H428 BM	B Bronze	H424 P56300I PAR 56 MGEP P56500I ¹ PAR 56 MGEP P56240ILV PAR 56 Screw Terminal P56300ILV ¹ PAR 56 Screw Terminal H427 P64500I PAR 64 MGEP P641000I ² PAR 64 MGEP H428 175M ³ E15 MED	12 ^{1,2} 12V 120 120V 1 Transformer not included, sold separately 2 Available with "H424" only	H424 and H427 MFL Medium Flood NSP Narrow Spot WFL Wide Flood H428 SP Spot FL Flood	H424 and H427 CLC ¹ Convex Lens, Clear CLA Convex Lens, Amber CLB Convex Lens, Blue CLG Convex Lens, Green CLR Convex Lens, Red H428 FLC Flat Lens, Clear 1 CLC default if lens option not chosen

H424 | BM YM



H427 | BM YM





SPECIALTY LANDSCAPE

Water & Fountain



H424 BM



H427 BM



H428 BM

BM

7

MOUNTING

BM Base Mount
YM¹ Yoke Mount

¹ Available with "H424"
and "H427" only

CSLX

8

CORD SET LENGTH

CSLX¹ Cord

¹ X = feet, cord available
in 5' increments from
10' to 120'

LPI

9

LAMP

LPI¹ Lamp Included
LP² Lamp Installed

¹ Available with "H424"
and "H427" only
² Available with "H428" only

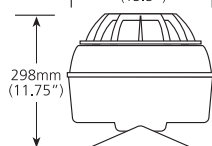
H428 | BM



Base Mount



330mm
(13.3")

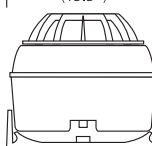


298mm
(11.75")

Yoke Mount



330mm
(13.3")



Water & Fountain Niche Mount

H418 | H421

Holophane's niche mounted styles accommodate a wide variety of installations and water effects. Wet niche type models are available in floor and wall mount models.

Holophane reflection pool and fountain pool lights are built to meet or surpass Underwriter Laboratories standards, as well as those of the National Electric Code and NEMKO, per standard IEC 598. They meet the safety requirements for fountains and decorative pools.

FEATURES:

- Long lamp life
- Rock guard
- Superior performance
- Low water cutoff
- Heavy duty cast bronze

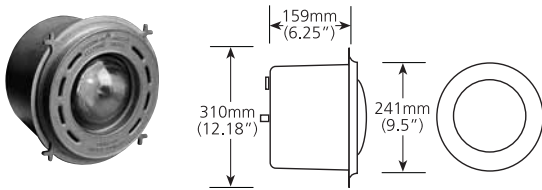


Example: H418 P38100I 120 FL CLC NM 34B RG CSLX LPI

How to Construct a Catalog Number

H418	P38100I	120	FL	CLC	NM
1	2	3	4	5	6
LUMINAIRE	WATTAGE	VOLTAGE	DISTRIBUTION ¹	LENS	MOUNTING
H418 H418 NM ANM	P38100I PAR 38 MED P38150I PAR 38 MED P38250I PAR 38 MED 1 P38250I is default if no lamp is chosen	120 120V	FL Flood SP Spot 1 Required if LPI is chosen	CLC ¹ Convex Lens, Clear CLA Convex Lens, Amber CLB Convex Lens, Blue CLG Convex Lens, Green CLR Convex Lens, Red 1 CLC default if lens option not chosen	NM Niche Mount

H418 | NM ANM

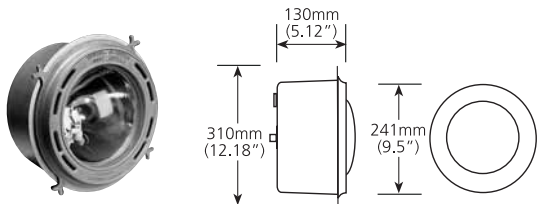


Example: H421 100Q 120 CLC NM 34B RG CSLX LPI

How to Construct a Catalog Number

H421	100Q	120	CLC	NM	34B
1	2	3	4	5	6
LUMINAIRE	WATTAGE	VOLTAGE	LENS	MOUNTING	CONDUIT ENTRIES
H421 H421 NM	100Q T4 Mini-can 150Q T4 Mini-can 250Q T4 Mini-can 400Q T4 Mini-can 500Q ¹ T4 Mini-can 1 500Q is default if no lamp is chosen	120 120V	CLC ¹ Convex Lens, Clear CLA Convex Lens, Amber CLB Convex Lens, Blue CLG Convex Lens, Green CLR Convex Lens, Red 1 CLC default if lens option not chosen	NM Niche Mount	34B 3/4 NPT on Bottom

H421 | NM





SPECIALTY LANDSCAPE

Water & Fountain



H418 NM ANM



H421 NM

34B

7

CONDUIT ENTRIES

34B 3/4 NPT on Bottom

RG

8

ACCESSORIES

RG¹ Rock Guard
1 Required on ANM



CSLX

9

CORD SET LENGTH

CSLX¹ Cord
1 X = feet, cord available in 5' increments from 10' to 120'

LPI

10

LAMP

LPI Lamp Included

RG

7

ACCESSORIES

RG¹ Rock Guard
1 Required on ANM



CSLX

8

CORD SET LENGTH

CSLX¹ Cord
1 X = feet, cord available in 5' increments from 10' to 120'

LPI

9

LAMP

LPI Lamp Included

Water & Fountain Niche Mount

H424 | H427

Holophane's niche mounted styles accommodate a wide variety of installations and water effects. Wet niche type models are available in floor and wall mount models.

Holophane reflection pool and fountain pool lights are built to meet or surpass Underwriter Laboratories standards, as well as those of the National Electric Code and NEMKO, per standard IEC 598. They meet the safety requirements for fountains and decorative pools.

FEATURES:

- Long lamp life
- Rock guard
- Superior performance
- Low water cutoff
- Heavy duty cast bronze

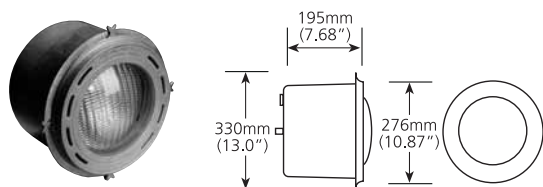
Example: H427 B P64500I 120 MFL CLC NM 34B RG CSLX LPI



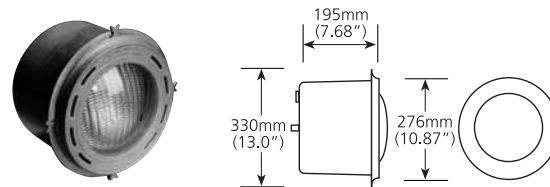
How to Construct a Catalog Number

H427	B	P64500I	120	MFL	CLC
1	2	3	4	5	6
LUMINAIRE	MATERIAL	WATTAGE	VOLTAGE	DISTRIBUTION	LENS
H424 H424 NM H427 H427 NM	B Bronze	H424 P56300I PAR 56 MGEP P56500I ¹ PAR 56 MGEP P56240ILV PAR 56 Screw Terminal P56300ILV ¹ PAR 56 Screw Terminal H427 P64500I PAR 64 MGEP P641000I ² PAR 64 MGEP	12 ^{1,2} 12V 120 120V 1 Transformer not included, sold separately 2 Available with "H424" only	MFL Medium Flood NSP Narrow Spot WFL Wide Flood	CLC ¹ Convex Lens, Clear CLA Convex Lens, Amber CLB Convex Lens, Blue CLG Convex Lens, Green CLR Convex Lens, Red 1 CLC default if lens option not chosen

H424 | NM



H427 | NM





SPECIALTY LANDSCAPE

Water & Fountain



H424 NM



H427 NM

NM

7

MOUNTING

NM Niche Mount

34B

8

CONDUIT ENTRIES

34B 3/4 NPT Bottom

RG

9

ACCESSORIES

RG¹ Rock Guard
1 Required for floor mounted luminaires



CSLX

10

CORD SET LENGTH

CSLX¹ Cord
1 X = feet, cord available in 5' increments from 35' to 120'

LPI

11

LAMP

LPI Lamp Included

Water & Fountain Niche Mount for Swimming Pools

H421 | H425 | H427 | H428

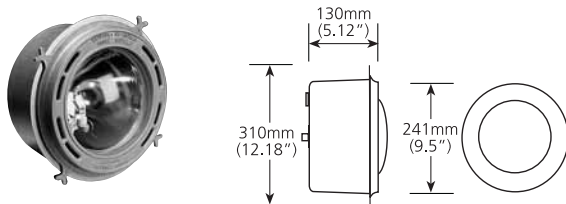
Example: H421 B 100Q 120 CLS NM 34B CSLX SWM LPI CSA



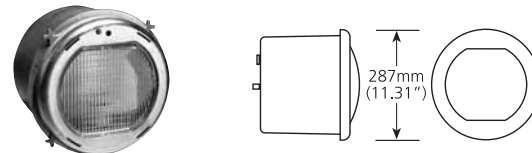
How to Construct a Catalog Number

H421	B	100Q	120	CLS	NM
1	2	3	4	5	6
LUMINAIRE	MATERIAL	WATTAGE	VOLTAGE	LENS	MOUNTING
H421 H421 NM SWM H428 H428 NM SWM	B Bronze SS ¹ Stainless Steel 1 "H421" only	H421 100Q T4 Mini-can 150Q T4 Mini-can 250Q T4 Mini-can 400Q T4 Mini-can 500Q ¹ T4 Mini-can H428 ² 175M E17 MED 1 500Q is default if no lamp is chosen 2 Holophane magnetic ballast is standard	120 120V	CLS Convex Lens, Swim	NM Niche Mount

H421 | NM SWM



H428 | NM SWM

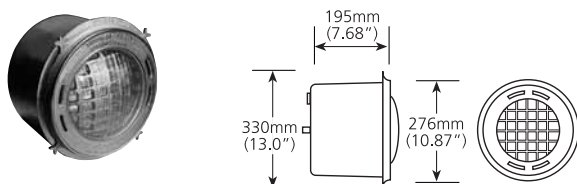


Example: H425 B 100Q 120 MFL CLS NM 34B CSLX SWM LPI CSA

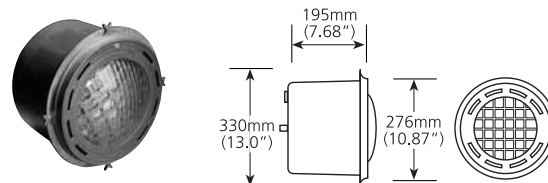
How to Construct a Catalog Number

H425	B	100Q	120	MFL	CLS	NM
1	2	3	4	5	6	7
LUMINAIRE	MATERIAL	WATTAGE	VOLTAGE	DISTRIBUTION	LENS	MOUNTING
H425 H425 SWM H427 H427 SWM	B Bronze SS Stainless Steel	H425 P56200I PAR 56 MC P56300I PAR 56 MC P56500IL ¹ PAR 56 MC P56300ILV ¹ PAR 56 Screw Terminal H427 P64500I PAR 64 MGEP P641000I ² PAR 64 MGEP 1 P56500I-default for 120V, P56300ILV default for 12V 2 P641000I-default if no lamp is chosen	12 ^{1,2} 12V 120 120V 1 Transformer not included, sold separately 2 Available with "H425" only	MFL Medium Flood NSP Narrow Spot WFL Wide Flood	CLS Convex Lens, Swim 1 Default if lens not chosen	NM Niche Mount

H425 | SWM



H427 | SWM





SPECIALTY LANDSCAPE

Water & Fountain



H421 NM SWM



H428 NM SWM



H425 SWM



H427 SWM

34B

7

CONDUIT ENTRIES

34B 3/4 NPT
Bottom

CSLX

8

CORD SET LENGTH

CSLX¹ Cord
1 X = feet, cord available
in 5' increments from
35' to 120'

SWM

9

APPLICATION

SWM Swimming
Pool Fixture

LPI

10

LAMP

LPI Lamp
Included

CSA

11

OPTION

CSA¹ Canadian Standard Assc.
SS² Stainless Steel
1 "H421" only
2 "H428" only

34B

8

CONDUIT ENTRIES

34B¹ 3/4" NPT
Bottom
B² 1" NPT
Bottom

1 120V only
2 12V only

CSLX

9

CORD SET LENGTH

CSLX¹ Cord
1 X = feet, cord available
in 5' increments from
35' to 120'

SWM

10

APPLICATION

SWM Swimming
Pool Fixture

LPI

11

LAMP

LPI Lamp
Included

CSA

12

OPTION

CSA Canadian Standard Assc.

Compact Flood H700

The H700 Series is a compact, high performance luminaire that accommodates lamps to 70 watt HID. Numerous mounting possibilities are available for both knuckle and yoke fixtures, all achieved with a consistent styling theme. Five optical systems create a wide variety of vertical and horizontal light distributions, from tight spots to wide floods.

FEATURES:

- Beam control
- Glare control
- Superior performance
- Variety of beam patterns
- Intelligent design
- Easy installation and maintenance

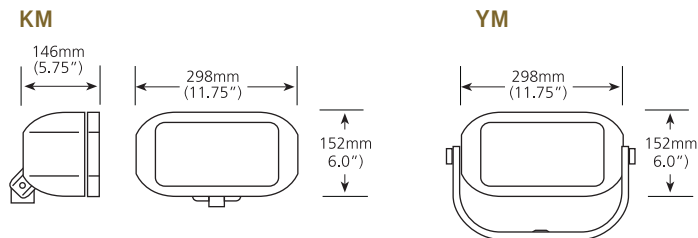
Example: H700 100Q 120 TSP KM HARJB ISS GEB LPI BK



How to Construct a Catalog Number

H700	100Q	120	TSP	KM
1	2	3	4	5
LUMINAIRE	WATTAGE	VOLTAGE	DISTRIBUTION	MOUNTING
H700 Compact Flood	<u>Incandescent</u> 100Q ¹ T4 MC <u>Fluorescent</u> 26TRT ² GX24Q-3 32TRT ² GX24Q-3 42TRT ² GX24Q-4 <u>Metal Halide</u> 50M E17 MED 70M E17 MED 35CMT6 T6 G12 70CMT6 T6 G12 <u>High Pressure Sodium</u> 35S ¹ E17 MED 50S E17 MED 70S E17 MED	120 120V 208 208V 220 220V 240 240V 277 277V 347 347V 120/277 120/277V <u>Multi-tap, factory wired</u> MA 120V only MB 208V only MC 240V only MD 277V only VT Vari-tap	TSP ¹ Tight Spot MFL ¹ Medium Flood FL ² Flood 1 Available in T6 and T4 lamp only 2 Available in E-17 and TRT lamps only	KM Knuckle Mount YM Yoke Mount  

H700 | Compact Flood



Compact Flood

**HARJB****6****MOUNTING ACCESSORIES**

HARJB	Arch. J-Box
HPSSA	Ped. Stan Mt. Splice Access
HSMSAX¹	Stanchion Mt. Splice Access
HWMSA	Wall Mount Splice Access
HEWMX¹	Ext. Wall Mount

¹ X = length, available 12" to 48", 6" increments

ISS**7****ACCESSORIES**

Internal	
ISS¹	Internal Source Shield
IHL^{2,3}	Internal Honey Comb
CFAMB	Amber Filter
CFBLU	Blue Filter
CFGRN	Green Filter
CFRED	Red Filter
External	
BD	Barn Doors
GS	Glare Shield

¹ Available with TSP and MFL distribution

² Available with FL distribution

³ Not available with NHSP

GEB**8****OPTIONS**

GEB	Generic Electronic Ballast
Holophane magnetic ballast is standard for HID lamps unless specified otherwise	

LPI**9****LAMP**

LPI	Lamp Included
------------	---------------

BK**10****FINISH**

BK	Black
BD	Dark Blue
BM	Brown Metallic
BZ	Bronze
GH	Graphite
GN	Green
GR	Gray
WH	White
SD	Sandstone
AS	As Specified

This mid-sized H710 Series luminaire, designed for lamps to 175 watt HID, set the industry standard for performance. Available mounting possibilities include knuckle, yoke, wall, ceiling, and pole fixtures – all implemented with a consistent styling theme. Seven optical systems permit a wide variety of vertical and horizontal light distributions, from narrow spots to wide floods.

Compact Flood H710

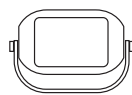
FEATURES:

- Beam control
- Glare control
- Superior performance
- Variety of beam patterns
- Intelligent design
- Easy installation and maintenance

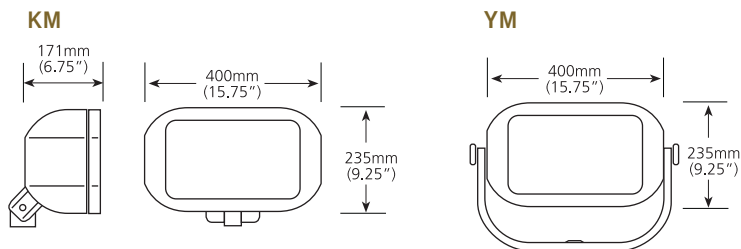
Example: H710 250Q 120 NSP KM HARJB ISS SF LPI BK



How to Construct a Catalog Number

H710	250Q	120	NSP	KM
1	2	3	4	5
LUMINAIRE	WATTAGE	VOLTAGE	DISTRIBUTION	MOUNTING
H710 Compact Flood	Incandescent 250Q T4 MC 300Q T3 RSC 400Q T4 MC 500Q T3 MC Metal Halide 50M ED17 MED 70M ED17 MED 70CM ED17 MED 100M ED17 MED 100CM ED17 MED 150M ED17 MED 150CM ED17 MED 175M ED17 MED 70CMT6 T6 G12 150CMT6 T6 G12 High Pressure Sodium 50S E17 MED 70S E17 MED 100S E17 MED 150S E17 MED	120 120V 208 208V 220 220V 240 240V 277 277V 347 347V 120/277 120/277V 480 480V Multi-tap, factory wired MA 120V only MB 208V only MC 240V only MD 277V only	HSP Horizontal Spot NSP ¹ Narrow Spot NHSP Narrow Horizontal Spot SP Spot HFL ² Horizontal Flood VFL Vertical Flood WFL Wide Flood 1 Available with 70CMT6 and 150CMT6 lamps only 2 Not available with RSC base lamps	KM Knuckle Mount YM Yoke Mount  

H710 | Compact Flood



Compact Flood

**HARJB****6****MOUNTING ACCESSORIES**

HARJB	Arch. J-Box
HPSSA	Ped. Stan Mt. Splice Access
HSMSAX¹	Stanchion Mt. Splice Access
HWMSA	Wall Mount Splice Access
HEWMX¹	Ext. Wall Mount

¹ X = length, available 12" to 48", 6" increments

ISS**7****ACCESSORIES**

Internal	
ISS¹	Interior Source Shield
CFAMB	Amber Filter
CFBLU	Blue Filter
CFGRN	Green Filter
CFRED	Red Filter
External²	
BD	Barn Doors
GS³	Glare Shield
LC³	Polycarbonate Cover

¹ Not available with VFL or WFL distribution

² Each option mutually exclusive, choose one only

³ Not available with CM mounting

SF**8****OPTIONS**

SF¹	Single Fusing
DF²	Double Fusing
GEB	Generic Electronic Ballast

Holophane magnetic ballast is standard for HID lamps unless specified otherwise

¹ Available with 120 or 277V only

² Available with 208, 220, 240 or 347V only

LPI**9****LAMP**

LPI Lamp Included

BK**10****FINISH**

BK	Black
BD	Dark Blue
BM	Brown Metallic
BZ	Bronze
GH	Graphite
GN	Green
GR	Gray
WH	White
SD	Sandstone
AS	As Specified

This large scale H720 Series luminaire accommodates lamps to 1000 watt HID. Multiple mounting possibilities are available for knuckle, yoke, wall, and pole fixtures with a consistent styling theme. Six optical systems allow a wide variety of vertical and horizontal light distributions, from spots to wide floods.

Compact Flood

H720 400 | H720 1000

FEATURES:

- Beam control
- Glare control
- Superior performance
- Variety of beam patterns
- Intelligent design
- Easy installation and maintenance

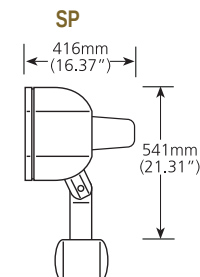
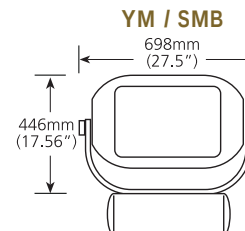
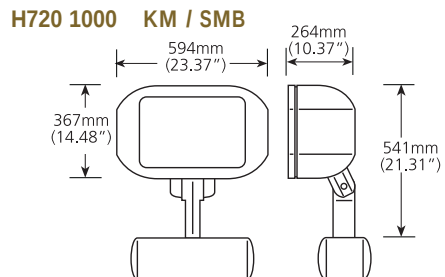
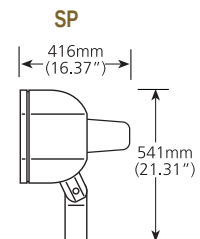
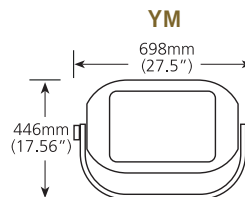
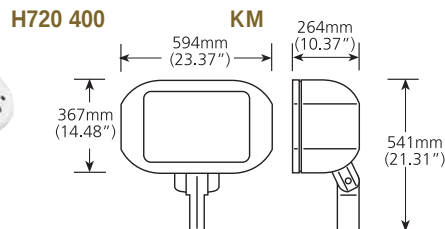
Example: H720 400 200M 120 SP KM HPSSA ISS SF LPI BK



How to Construct a Catalog Number

H720 400	200M	120	SP	KM
1	2	3	4	5
LUMINAIRE	WATTAGE	VOLTAGE	DISTRIBUTION	MOUNTING
H720 400 Compact Flood	Metal Halide	120 120V	NHSP ¹ Narrow Horizontal Spot	KM Knuckle Mount
H720 1000 Compact Flood	200M ^{1,2} ED28 Mogul	208 208V	SP Spot	YM Yoke Mount
	250M ED28 Mogul	220 220V	HSP Horizontal Spot	
	320M ¹ ED28 Mogul	240 240V	HFL Horizontal Flood	
	350M ^{1,2} ED28 Mogul	277 277V	VFL Vertical Flood	
	400M ED37 Mogul	347 347V	WFL Wide Flood	
	1000M BT37 Mogul	120/277 120/277V		
	High Pressure Sodium	480 480V		
	250S E18 Mogul	Multi-tap, factory wired		
	400S E18 Mogul	MA 120V only		
	1000S ED37 Mogul	MB 208V only		
	MV	MC 240V only		
	250H E28 Mogul	MD 277V only		
	400H E37 Mogul			
	¹ Available only with SCWA ballast			
	² Not available with "SP" distribution			

H720 | Compact Flood





SPECIALTY LANDSCAPE

Compact Flood



HPSSA

6

MOUNTING ACCESSORIES

H720 400	
HEWMX¹	Ext. Wall Mount
HPSSA	Ped. Stan. Mt. Splice Access
HSMSAX²	Stanchion Mt. Splice Access
HTNM^{3,4}	Tenon Mount
H720 1000	
HSMB	Surface Mounted Ballast
HSMBEWM	SMB Extended Wall Mount
HSMBPMT⁵	Pole Mount Tee
HSMBMSA	SMB Stanchion Mount
HSMBSMT⁵	SMB Stanchion Mount Tee
HSMBTNM⁶	SMB Tenon Mount

- 1 X = length, available 18" to 36", 6" increments
- 2 X = length, available 12" to 48", 6" increments
- 3 For use with "KM" mounting only
- 4 Not available with "PE"
- 5 Two fixtures per mounting
- 6 Not available with "WFL" distribution

ISS

7

ACCESSORIES

Internal	
ISS¹	Interior Source Shield
CFAMB	Amber Filter
CFBLU	Blue Filter
CFGRN	Green Filter
CFRED	Red Filter
External²	
BD	Barn Doors
GS³	Glare Shield
LC³	Polycarbonate Cover

- 1 Not available with WFL distribution
- 2 Each option mutually exclusive, choose one only
- 3 Available with 400W only

SF

8

OPTIONS

SF¹	Single Fusing
DF²	Double Fusing
PE⁴	Photo Cell
QRS⁵	Quartz Emergency Re-Strike
GEB	Generic Electronic Ballast

Holophane magnetic ballast is standard for HID lamps unless specified otherwise

- 1 Available only in 120, 277 or 347V on HID only
- 2 Available only in 208, 240, or 480V on HID only
- 3 Not available with "TNM" mounting or 1000W
- 4 Mounting accessory required for "PE". Not available with "TNM" mounting
- 5 Not available in 480V or with "VT"

LPI

9

LAMP

LPI	Lamp Included
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BK

10

FINISH

BK	Black
BD	Dark Blue
BM	Brown Metallic
BZ	Bronze
GH	Graphite
GN	Green
GR	Gray
WH	White
SD	Sandstone
AS	As Specified

High Performance Flood Adjustable Wall Mount H810 | H820

The High Performance Flood Series combines compact size, high durability, and broad range you need to sculpt the night, together with the superior performance and unequalled quality. Choose from flexible mounting options and a wide range of photometric distributions to create a landscape of light from these unobtrusive luminaires. High-performance optics and superior breadth of lighting options provide ultimate flexibility for more architectural lighting needs.

FEATURES:

- Compact design
- Versatility in beam control
- High performance optics
- Three mounting applications
- Easy installation and maintenance

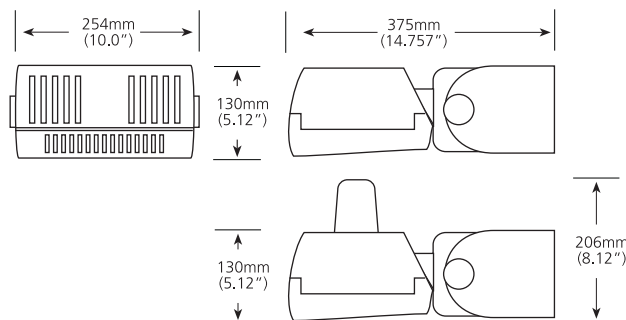
Example: H810 50M 120 FL AWM WRG SF LPI BK



How to Construct a Catalog Number

H810	50M	120	FL	AWM
1	2	3	4	5
LUMINAIRE	WATTAGE	VOLTAGE	DISTRIBUTION	MOUNTING
H810 Wall Mount H820 Wall Mount	H810 Metal Halide 50M E17 MED 70M E17 MED 100M E17 MED 150M E17 MED 175M E17 MED 70CMT6 T6 G12 150CMT6 T6 G12 High Pressure Sodium 50S E17 MED 70S E17 MED 100S E17 MED 150S E17 MED H820 Metal Halide 250ME ED28 Mogul 400ME ED28 Mogul 200MT ^{1,2} T15 Mogul 250MT ^{1,2} T15 Mogul 320MT ^{1,2} T15 Mogul 350MT ^{1,2} T15 Mogul 400MT ^{1,2} T15 Mogul 200M ² ED28 Mogul 320M ² ED28 Mogul 350M ² ED28 Mogul High Pressure Sodium 250S E18 MED 400S E18 ME	120 120V 208 208V 220 220V 240 240V 277 277V 347 347V 120/277 120/277V 480 480V Multi-tap, factory wired MA 120V only MB 208V only MC 240V only MD 277V only VT ^{1,2} Vari-tap 1 Standard voltage for fluorescents and MH lamps with GEB ballast option 2 Available with H810 Series only	SP Spot NFL Narrow Flood MFL Medium Flood FL Flood WFL Wide Flood SR2 IES Type II SR3 IES Type III SR4SC IES Type IV SR5S ¹ IES Type V 1 Available with H810 Series only	AWM Adjustable Wall Mount AWMMD E Adjustable Wall Mount, Direct Entry

H810 | High Performance Flood - Adjustable Wall Mount



SPECIALTY LANDSCAPE

High Performance Flood



H810



H820

WRG

6

ACCESSORIES

Internal	
ISS¹	Interior Source Shield
CFAMB	Amber Filter
CFBLU	Blue Filter
CFGRN	Green Filter
CFRED	Red Filter
External²	
HS	House Side Shield
WRG	Wire Rock Guard

- 1 Standard with SR4SC distribution
- 2 Each option is mutually exclusive, choose one

SF

7

OPTIONS

PE¹	Photo Cell
PER²	Photo Cell Receptacle
SF³	Single Fuse
DF⁴	Double Fuse
GEB^{1,5}	Generic Electronic Ballast

Holophane magnetic ballast is standard for HID lamps unless specified otherwise

- 1 Available with Series H810 only
- 2 Available with Series H820 only, NEMA® twist-off receptacle only, photo cell control by others
- 3 Available with 120, 277 or 347V on HID only
- 4 Available with 208, 220 or 240V on HID only
- 5 Electronic ballasts only available with MH lamps to 150 watts and VT voltage

LPI

8

LAMP

LPI	Lamp Included
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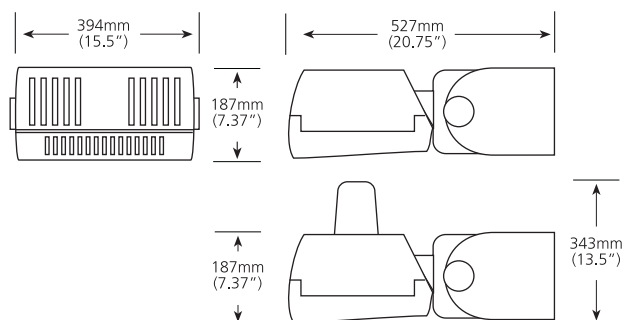
BK

9

FINISH

BK	Black
BD	Dark Blue
BM	Brown Metallic
BZ	Bronze
GH	Graphite
GN	Green
GR	Gray
WH	White
SD	Sandstone
AS	As Specified

H820 | High Performance Flood - Adjustable Wall Mount



The High Performance Flood Series combines compact size, high durability, and broad range you need to sculpt the night, together with the superior performance and unequalled quality. Choose from flexible mounting options and a wide range of photometric distributions to create a landscape of light from these unobtrusive luminaires. High-performance optics and superior breadth of lighting options provide ultimate flexibility for more architectural lighting needs.

High Performance Flood Yoke Mount

H810 | H820

FEATURES:

- Compact design
- Versatility in beam control
- High performance optics
- Three mounting applications
- Easy installation and maintenance

Example: H810 50M 120 SP YM HARJB ISS SF LPI BK

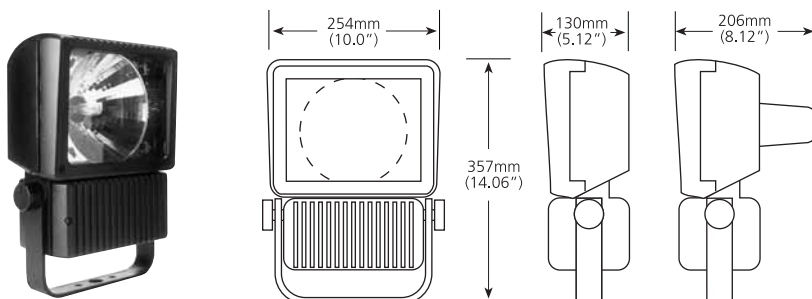


How to Construct a Catalog Number

H810	50M	120	SP	YM
1	2	3	4	5
LUMINAIRE	WATTAGE	VOLTAGE	DISTRIBUTION	MOUNTING
H810 Yoke Mount H820 Yoke Mount	H810 Metal Halide 50M E17 MED 70M E17 MED 100M E17 MED 150M E17 MED 175M E17 MED 70CMT6 T6 G12 150CMT6 T6 G12 High Pressure Sodium 50S E17 MED 70S E17 MED 100S E17 MED 150S E17 MED H820 Metal Halide 250ME ED28 Mogul 400ME ED28 Mogul 200MT ^{1,2} T15 Mogul 250MT ^{1,2} T15 Mogul 320MT ^{1,2} T15 Mogul 350MT ^{1,2} T15 Mogul 400MT ^{1,2} T15 Mogul 200M ² ED28 Mogul 320M ² ED28 Mogul 350M ² ED28 Mogul High Pressure Sodium 250S E18 MED 400S E18 MED	120 120V 208 208V 220 220V 240 240V 277 277V 347 347V 120/277 120/277V 480 480V Multi-tap, factory wired MA 120V only MB 208V only MC 240V only MD 277V only VT ^{1,2} Vari-tap	SP Spot NFL Narrow Flood MFL Medium Flood FL Flood HFL ¹ Horizontal Flood VFL ¹ Vertical Flood 1 T15 lamps are not available with "HSP", "HFL" and "VFL"	YM Yoke Mount

- 1 T15 lamps are not available with "HSP", "HFL" and "VFL"
 2 "SCWA" ballast required with 200M, 320M, 350M, 200MT, 250MT, 320MT, 350MT and 400MT lamps

H810 | High Performance Flood - Yoke Mount





SPECIALTY LANDSCAPE

High Performance Flood



H810



H820

HARJB

6

MOUNTING ACCESSORIES

HEWM ¹	Ext. Wall Mount
HPMSA	Pole Mt. Splice Access
HPSSA	Ped. Stan. Mt. Splice Access
HSMSAX ²	Stanchion Mt. Splice Access
HARJB ³	Architectural Junction Box

1 X = length, available 18" to 36", 6" increments

2 X = length, available 12" to 48", 6" increments

3 Available with H810 Series only

ISS

7

ACCESSORIES

Internal	
ISS ¹	Interior Source Shield
CFAMB	Amber Filter
CFBLU	Blue Filter
CFGRN	Green Filter
CFRED	Red Filter
External ²	
BD	Barn Doors
FGS	Full Glare Shield
HGS	Half Glare Shield
WRG	Wire Rock Guard

1 Not available with "HFL" on H810, standard with "VFL" on H820 and not available with "HFL" or "VFL" on H820

2 Each option is mutually exclusive, choose one

SF

8

OPTIONS

PER ¹	Photo Cell Receptacle
SF ²	Single Fuse
DF ³	Double Fuse
GEB ⁴	Generic Electronic Ballast

Holophane magnetic ballast is standard for HID lamps unless specified otherwise

- 1 Available with Series H820 only, NEMA[®] twist-off receptacle only, photocell control by others
- 2 Available with 120, 277 or 347V on HID only
- 3 Available with 208, 220 or 240V on HID only
- 4 Electronic ballasts only available with MH lamps to 150 watts and VT voltage

LPI

9

LAMP

LPI	Lamp Included
------------	---------------

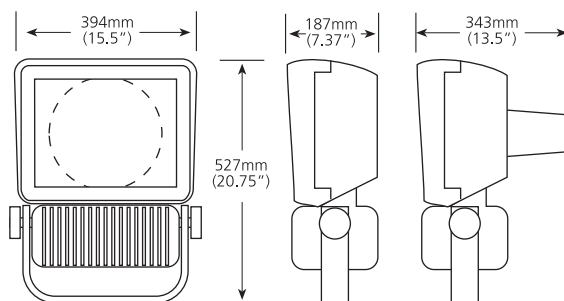
BK

10

FINISH

BK	Black
BD	Dark Blue
BM	Brown Metallic
BZ	Bronze
GH	Graphite
GN	Green
GR	Gray
WH	White
SD	Sandstone
AS	As Specified

H820 | High Performance Flood - Yoke Mount



The High Performance Flood Series combines compact size, high durability, and broad range you need to sculpt the night, together with the superior performance and unequalled quality. Choose from flexible mounting options and a wide range of photometric distributions to create a landscape of light from these unobtrusive luminaires. High-performance optics and superior breadth of lighting options provide ultimate flexibility for more architectural lighting needs.

High Performance Flood Pole Mount

H810 | H820

FEATURES:

- Compact design
- Versatility in beam control
- High performance optics
- Three mounting applications
- Easy installation and maintenance

Example: H810 100M 120 SR2 PMEF HS PE LPI BK



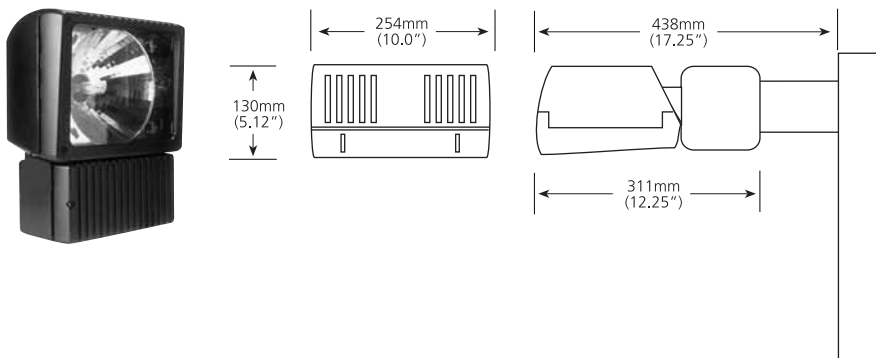
How to Construct a Catalog Number

H810	100M	120	SR2	PMEF
1	2	3	4	5
LUMINAIRE	WATTAGE	VOLTAGE	DISTRIBUTION	MOUNTING
H810 Pole Mount H820 Pole Mount	H810 Metal Halide 50M E17 MED 70M E17 MED 100M E17 MED 150M E17 MED 175M E17 MED 70CMT6 T6 G12 150CMT6 T6 G12 High Pressure Sodium 50S E17 MED 70S E17 MED 100S E17 MED 150S E17 MED H820 Metal Halide 250ME ED28 Mogul 400ME ED28 Mogul 200M ¹ ED28 Mogul 320M ED28 Mogul 350M ¹ ED28 Mogul	120 120V 208 208V 220 220V 240 240V 277 277V 347 347V 120/277 120/277V 480 480V Multi-tap, factory wired MA 120V only MB 208V only MC 240V only MD 277V only VT ^{1,2} Vari-tap	SR2 IES Type II SR3 IES Type III SR4SC IES Type IV SR5S ¹ IES Type V	PMEF Square Pole PME3 ¹ 3" Diameter Pole PME4 4" Diameter Pole 2 Available with H810 Series only

1 "GPSB" required with 200M, 320M and 350M

1 Standard voltage for fluorescents and MH lamps with GEB ballast option
2 Available with H810 Series only

H810 | High Performance Flood - Pole Mount



High Performance Flood



H810



H820

HS

6

ACCESSORIES

External²

HS House Side Shield

1 Available with "SR2" and "SR3" distributions

PE

7

OPTIONS

PE¹ Photo Cell

PER² Photo Cell

Receptacle

SF³ Single Fuse

DF⁴ Double Fuse

GEB^{1,5} Generic

Electronic

Ballast

Holophane magnetic ballast is standard for HID lamps unless specified otherwise

1 Available with Series H810 only

2 Available with Series H820 only

3 Available with 120, 277 or 347V on HID only

4 Available with 208, 220 or 240V on HID only

5 Electronic ballasts only available with MH lamps to 150 watts and MVOLT voltage

LPI

8

LAMP

LPI Lamp Included

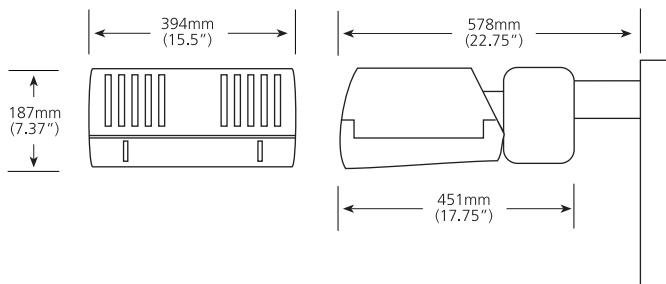
BK

9

FINISH

BK Black
BD Dark Blue
BM Brown Metallic
BZ Bronze
GH Graphite
GN Green
GR Gray
WH White
SD Sandstone
AS As Specified

H820 | High Performance Flood - Pole Mount



Compact Flood Series Mounting Options		Compact Flood Series Mounting Options																				
		No mounting accessories available	ARJB	FJB	PMSA	PMT ¹	SMSA ²	HYDSMDB	TRJB	EWMT ²	TNM	PAR ^{1,2}	PAS ²	PATR ²	PATS ^{1,2}	SMB ¹	SMBEWM	SMBMSA	SMBMT ¹	SMBPMT ¹	SMBTNM	SMBR
H700 Series																						
Adjustable																						
Knuckle Mount	KM		●	●	●	●	●		●	●		●	●	●	●							
Yoke Mount	YM		●	●	●	●	●		●	●		●	●	●	●							
H710 Series																						
Adjustable																						
Knuckle Mount	KM		●	●	●	●	●		●	●		●	●	●	●							
Yoke Mount	YM		●	●	●	●	●	●	●	●		●	●	●	●							
Fixed																						
Wall Mount Side Down/Up	WMS/WUS	●																				
Ceiling Mount	CM	●																				
H720 Series 400 watt																						
Adjustable																						
Knuckle Mount	KM		●		●	●	●	●		●	●	●	●	●	●							
Yoke Mount	YM		●		●	●	●	●		●		●	●	●	●							
H720 Series 1000 watt																						
Adjustable																						
Knuckle Mount	KM															●	●	●	●	●	●	●
Yoke Mount	YM															●	●	●	●	●	●	●

1 Two fixtures per mounting

2 Multiple length available, consult specification sheets

Notes:

Flood
Mounting
Options

In-Grade H670

Sealed outdoor uplights for multi-purpose applications. The H670 is designed for flush mounting in planting areas or concrete for up-lighting building facades, walls, trees and other similar applications where a controlled adjustable light source is desirable. The H670 Series offers high performance and durability in an in-grade luminaire. Many lamping options and distributions are available including HID lamps up to 175 watts. Integral ballast and junction box options can be added for even greater reliability.

FEATURES:

- Compact design
- Versatility in beam control
- High performance optics
- Variety of light distributions
- Three mounting applications
- Easy installation and maintenance

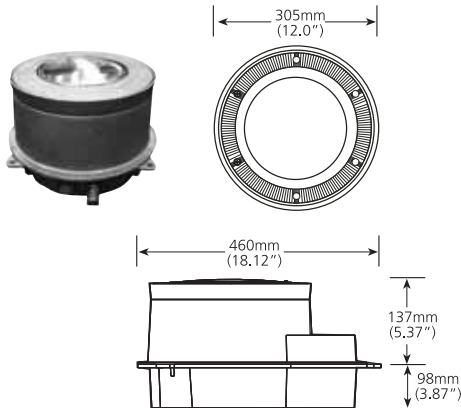
Example: H670 B 100M 120 SP FLC 12S ISS SF LP



How to Construct a Catalog Number

H670	B	100M	120	SP
1	2	3	4	5
LUMINAIRE	MATERIAL	WATTAGE	VOLTAGE	DISTRIBUTION
H670 Sealed Uplight	B Bronze	Incandescent¹ P3050I PAR 30 MED P3075I PAR 30 MED P38100I PAR 38 MED P38150I PAR 38 MED P38250I PAR 38 MED 100Q T4 MC 150Q T4 MC 250Q T4 MC Fluorescent 18TRT Triple Tube Gx24Q-2 26TRT Triple Tube Gx24Q-3 32TRT Triple Tube Gx24Q-3 42TRT Triple Tube Gx24Q-4 Metal Halide 70M E17 MED 70CM E17 MED 100M E17 MED 100CM E17 MED 150M E17 MED 150CM E17 MED 175M E17 MED 35CMT6 T6 G12 35CMT4 T4 G8.5 70CMT4 T4 G8.5 70CMT6 T6 G12 150CMT6 T6 G12 P3035CM PAR 30 MED P3070CM PAR 30 MED P3870M PAR 38 MED P3870CM PAR 38 MED P38100M PAR 38 MED P38100CM PAR 38 MED High Pressure Sodium 50S E17 MED 70S E17 MED 100S E17 MED 150S E17 MED	120 120V 208 208V 240 240V 277 277V 347 347V 120/277 120/277V Multi-tap, factory wired MA 120V only MB 208V only MC 240V only MD 277V only VT ¹ Vari-tap	NSP ¹ Narrow Spot SP ² Spot NFL Narrow Flood NSP ¹ Narrow Spot FL ^{2,3} Flood WFL ² Wide Flood WWD ⁴ Wall Wash ASY Asymmetric 15° Reflector Tilt NSP ¹ Narrow Spot NSP ¹ Narrow Spot
1 Available with T4 or T6 lamps only 2 Not available with T4 or T6 lamps 3 Available with PAR lamps only 4 Not available with PAR lamps				

H670 | Sealed Uplight



¹ Available with 120V only



SPECIALTY LANDSCAPE

In-Grade



FLC 6	12S 7	ISS 8	SF 9	LP 10
LENS	CONDUIT ENTRIES	ACCESSORIES	OPTIONS	LAMP
FLC Flat Lens, Clear FLC5 Flat Lens, Clear, 5° Axial Spread FLC10 Flat Lens, Clear, 10° Tilt FLC20 Flat Lens, Clear, 20° Tilt FLF Flat Lens, Frosted FLCAS Flat Lens, Clear, Anti-Slip CLC Convex Lens, Clear CLF Convex Lens, Frosted	12B 1/2" NPT Bottom 12S 1/2" NPT Side 34B 3/4" NPT Bottom 34S 3/4" NPT Side	Internal¹ IHL Internal Honeycomb Louver ISS² Interior Source Shield WWL Wall Wash Louver Filters CFAMB³ Color Filter, Amber CFBLU³ Color Filter, Blue CFGRN³ Color Filter, Green CFRED³ Color Filter, Red LSF Linear Spread Filter, Horz. External BTR Brass Round GS Glare Shield LC Lexan Cover LS Light Shield RG⁴ Rock Guard	SF¹ Single Fuse DF² Double Fuse GEB³ Generic Electronic Ballast Holophane magnetic ballast is standard for HID lamps unless specified otherwise 1 Available with 120, 277 or 347V on HID only 2 Available with 208 or 240V on HID only 3 Electronic ballasts only available with MH lamps to 150W and VT voltage	LP Lamp Installed

- Each option is mutually exclusive, choose only one internal and one external per luminaire
- Not available with "WWD" or PAR lamps
- Available to 100W max. only
- Not available with "CLC" or "CLF" lenses

In-Grade

H900 | H910

Wet/dry flush mounted up-lights represent the state-of-the-art in flush up-light construction. These multi-purpose modular units are designed for mounting in areas that are prone to being submerged in water or could possibly be wet a lot of the time. The lamp module and power modules are factory sealed, thermally protected, and connected by submersible rated connectors. Round or square styles are available. The H900 is a low-wattage in-grade luminaire for use with MR-16 and PAR-36 lamps up to 75 watts. The H910 is an HID in-grade luminaire available in wattages up to 175W MH and 150W HPS. All power modules are sealed to eliminate water entry.

FEATURES:

- Compact design
- Versatility in beam control
- High performance optics
- Variety of light distributions
- Easy installation and maintenance

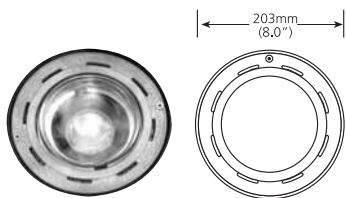
Example: H900 A 50S 120 SP CLC 34B ISS LP SF BK



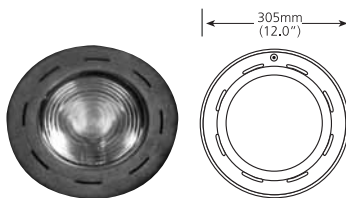
How to Construct a Catalog Number

H900	A	50S	120	SP	CLC
1	2	3	4	5	6
LUMINAIRE	MATERIAL	WATTAGE	VOLTAGE	DISTRIBUTION	LENS
H900 In-Grade	A Aluminum	H900	120 120V	SP Spot, Clear Flat Lens	CLC Convex Lens, Clear
H910 In-Grade	B Bronze	Low Voltage	208 ¹ 208V	NSP Narrow Spot	CLF Convex Lens, Frosted
		M20 E17 MED	240 ¹ 240V	FL Flood	FLC Flat Lens, Clear
		M35 E17 MED	277 277V	NFL Narrow Flood, Flat Lens	FLC5 Flat Lens, Clear, 5° Axial Spread
		M50 E17 MED	347 ¹ 347V	VNSP Very Narrow Spot	FLCAS ¹ Flat Lens, Clear, Anti-Slip
		M75 E17 MED		VWFL Very Wide Flood	FLC5AS ¹ Flat Lens, 5° Axial Spread Anti-Slip
		P3636ILV PAR 36		WFL Wide Flood	FLC10 ¹ Flat Lens, Clear, 10° Tilt
		P3650ILV PAR 36		WWD ¹ Wall Wash, 5° Axial Spread Lens	FLC20 ¹ Flat Lens, Clear, 20° Tilt
		P3675ILV PAR 36		MFL ¹ Diffuse Reflector, 5° Spread Lens	FLF Flat Lens, Frosted
		AR11150ILV 50W AR111			
		AR11175ILV 75W AR111			
		Incandescent			
		P1660I PAR 38 MED			
		P1675I PAR 38 MED			
		P2050I PAR 38 MED			
		P2075I PAR 38 MED			
		P3075I PAR 38 MED			
		H910			
		High Pressure Sodium			
		50S E17 MED			
		70S E17 MED			
		100S E17 MED			
		150S E17 MED			
		Metal Halide			
		35CMT6 T6 G12			
		70CMT6 T6 G12			
		150CMT6 T6 G12			
		50M E17 MED			
		70M E17 MED			
		70CM E17 MED			
		100M E17 MED			
		100CM E17 MED			
		150M E17 MED			
		175M E17 MED			
		P3870M PAR 38 MED			
		P3870CM PAR 38 MED			
		P38100M PAR 38 MED			
		P38100CM PAR 38 MED			
		P38175M PAR 38 MED			
		Incandescent			
		P38100I PAR 38 MED			
		P38150I PAR 38 MED			
		100Q T4			
		150Q T4			
		250Q T4			

H900 | In-Grade



H910 | In-Grade





SPECIALTY LANDSCAPE

In-Grade



H900



H910

34B	ISS	LP	SF	BK
7	8	9	10	11
CONDUIT ENTRIES	ACCESSORIES	LAMP	OPTIONS	FINISH
34B 3/4" NPT Bottom	Internal IHL Internal Honeycomb Louder ISS¹ Interior Source Shield BJB¹ Cast Bronze Junction Box MSR Modular Support Ring WWL¹ Wall Wash Louver External RG Rock Guard GS Glare Shield Trim Rings STR Stainless Steel Trim Ring, Rd. BTR Natural Bronze Trim Ring, Rd.	LP Lamp Installed	SF Single Fuse DF Double Fuse	BK Black BD Dark Blue BM Brown Metallic BZ Bronze GH Graphite GN Green GR Gray WH White SD Sandstone AS As Specified Color available with aluminum trim ring only

1 Available only with H910

LED Trailblazer® LT

LED Series fittings utilize the award-winning Luxeon high power LEDs from Lumileds, which offer distinct advantages over 5mm LEDs, including superior light output and lumen maintenance. Housed in a cast aluminum body with a round or square stainless steel door, these revolutionary LEDs are available in six colors - warm white, cool white, blue, green, red and amber - and with acrylic lenses to give a choice of beam angles.

The low lens temperature makes them suitable for use in public areas, where there is a possibility of people touching them. They can be ground or wall-recessed as well as stirrup-mounted and will enhance the appearance of a multitude of architectural applications. A dome top version is also available.

FEATURES:

- Long, reliable life
- Durable construction
- IP68, suitable for wet locations
- Round or square stainless steel bezel

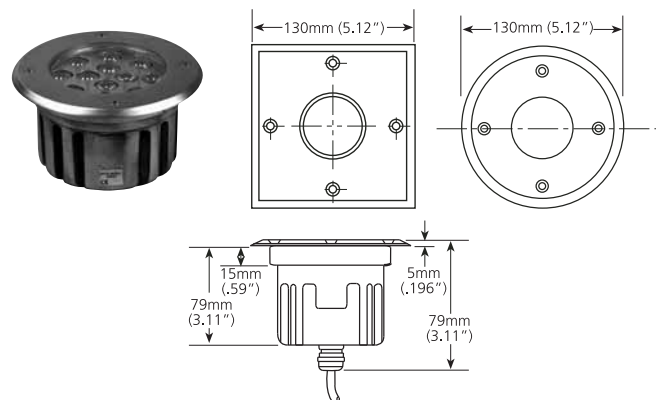
Example: LT 12 6WH 25D RD CL A6



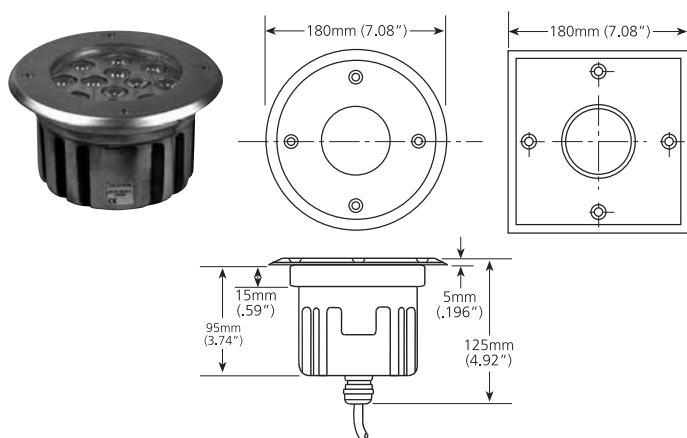
How to Construct a Catalog Number

LT	12	6WH	25D
1	2	3	4
LUMINAIRE	VOLTAGE	SOURCE AND WATTAGE	BEAM ANGLE
LT LED Trailblazer Series	12 120V 24 240V	3 x 1.2W LED 3WH Cool White LED (5000K) 3WW Warm White LED (3200K) 3BL Blue LED 3RD Red LED 3GR Green LED 3AM Amber LED 6 x 1.2W LED 6WH Cool White LED (5000K) 6WW Warm White LED (3200K) 6BL Blue LED 6RD Red LED 6GR Green LED 6AM Amber LED 9 x 1.2W LED 9WH Cool White LED (5000K) 9WW Warm White LED (3200K) 9BL Blue LED 9RD Red LED 9GR Green LED 9AM Amber LED 12 x 1.2W LED 12H Cool White LED (5000K) 12W Warm White LED (3200K) 12B Blue LED 12R Red LED 12G Green LED 12A Amber LED	06D ¹ 6° Beam Acrylic Lens 25D ¹ 25° Beam Acrylic Lens 45D 45° Beam Acrylic Lens 1 Not available with "FR" frosted glass

LT | LT_3



LT | LT_6, 9 and 12



LED Trailblazer

**RD****5****DOOR STYLE**

- RD** Round Stainless Steel Door
SD Square Stainless Steel Door

CL**6****GLASS TYPE**

- CL**¹ Clear Glass
FR Frosted Glass
VC Clear Vandal Resistant Glass
VF Frosted Vandal Resistant Glass

¹ Only available with 45° beam angle

A6**7****OPTIONS AND ACCESSORIES****OPTIONS**

SS¹ Stainless Steel Stirrup Mount

A6² Adjustable Optic +/- 15°

A9³ Adjustable Optic +/- 15°

¹ For surface mounting (no recessing sleeve accessory required)

² Available with 6 LED versions only

³ Available with 9 LED versions only

ACCESSORIES**Aluminum Ground Recessing Sleeves**

LT3GRS 3 x 1.2W In-grade LED Luminaire

LT6912GRS 6, 9, or 12 x 1.2W

In-grade LED Luminaire

Aluminum Wall Recessing Sleeves

LT3WRS 3 x 1.2W In-grade LED Luminaire

LT6912WRS Aluminum Wall Recessing Sleeve for 6, 9, or 12 x 1.2W In-grade LED Luminaire



LT__3



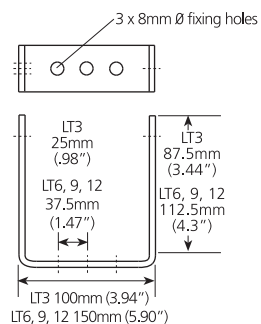
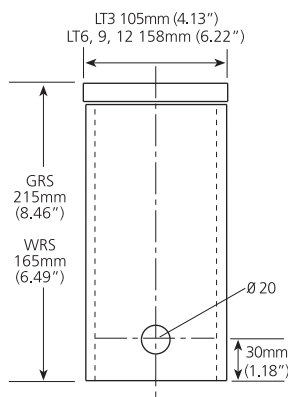
LT__6



LT__9



LT__12

SS | Stirrup Mounting**GRS/WRS | Ground Recessing Sleeves**

LED Trailblazer® LTD

LED Series fittings utilize the award-winning Luxeon high power LEDs from Lumileds, which offer distinct advantages over 5mm LEDs, including superior light output and lumen maintenance. Housed in a cast aluminum body with a round or square stainless steel door, these revolutionary LEDs are available in six colors - warm white, cool white, blue, green, red and amber - and with acrylic lenses to give a choice of beam angles.

The low lens temperature makes them suitable for use in public areas, where there is a possibility of people touching them. They can be ground or wall-recessed as well as stirrup-mounted and will enhance the appearance of a multitude of architectural applications. A dome top version is also available.

FEATURES:

- Long, reliable life
- Durable construction
- IP68, suitable for wet locations
- Round or square stainless steel bezel

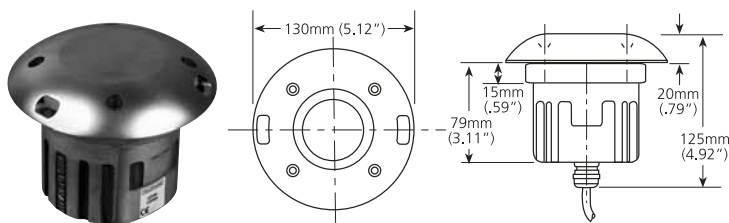
Example: LTD 12 4WH A6



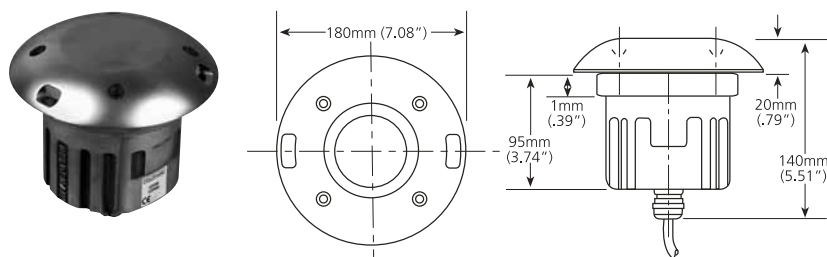
How to Construct a Catalog Number

LTD	12	4WH	
1	2	3	
LUMINAIRE	VOLTAGE	SOURCE AND WATTAGE	SOURCE AND WATTAGE (CONT.)
LTD LED Trailblazer Series	12 120V 24 240V	1 x 1.2W LED 1AM Amber LED 1BL Blue LED 1GR Green LED 1RD Red LED 1WH Cool White LED (5000K) 1WW Warm White LED (3200K) 2 x 1.2W LED 2AM Amber LED 2BL Blue LED 2GR Green LED 2RD Red LED 2WH Cool White LED (5000K) 2WW Warm White LED (3200K) 3 x 1.2W LED 3AM Amber LED 3BL Blue LED 3GR Green LED 3RD Red LED 3WH Cool White LED (5000K) 3WW Warm White LED (3200K)	4 x 1.2W LED 4AM Amber LED 4BL Blue LED 4GR Green LED 4RD Red LED 4WH Cool White LED (5000K) 4WW Warm White LED (3200K) 6 x 1.2W LED 6AM Amber LED 6BL Blue LED 6GR Green LED 6RD Red LED 6WH Cool White LED (5000K) 6WW Warm White LED (3200K)

LTD | LTD_1, 2 and 3



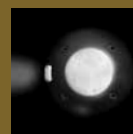
LTD | LT_4 and 6





SPECIALTY LANDSCAPE

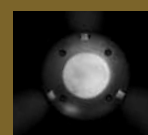
LED Trailblazer



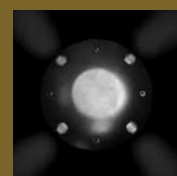
LTD_ _ 1



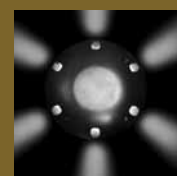
LTD_ _ 2



LTD_ _ 3



LTD_ _ 4



LTD_ _ 6

A6

4

OPTIONS AND ACCESSORIES

ACCESSORIES

Aluminum Ground Recessing Sleeves

LT3GRS 3 x 1.2W In-grade LED Luminaire

LT6912GRS 6, 9, or 12 x 1.2W

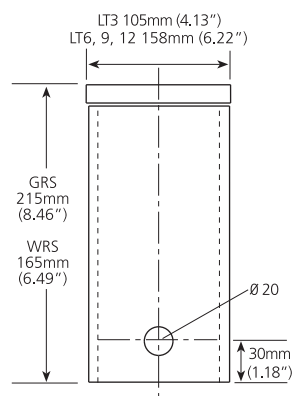
In-grade LED Luminaire

Aluminum Wall Recessing Sleeves

LT3WRS 3 x 1.2W In-grade LED Luminaire

LT6912WRS Aluminum Wall Recessing Sleeve
for 6, 9, or 12 x 1.2W In-grade
LED Luminaire

GRS/WRS | Ground Recessing Sleeves



Designer Series

The Designer Series offers a selection of products providing you with lighting solutions for commercial, residential, parking areas and walkways. It includes a variety of luminaires that are functional with great curb appeal.

- **Contemporary and classic styles**
- **Architectural design with choice of shape, colors**
- **Functional, easily maintained lighting system**
- **Uniform lighting, in a variety of light distributions**
- **Superior performance, reliability**

TYPICAL APPLICATIONS:

City Streets
Parking Lots
Campuses
Commercial Developments
Plazas
Village Squares
Residential Areas
Parks
Walkways
Boulevards



Lighting System Promotes Highway Safety:

Osage Beach, Missouri

“Osage Beach has needed lighting on this highway for years,” said John C. Ballard, city engineer for Osage Beach. “The Mongoose® system has helped us create a safer environment that is more enjoyable for everyone — tourists, travelers and residents.”

Designer Series

Contemporary

Classic

Lighting solutions...

Today's outdoor lighting issues can present new challenges to people involved with the specification, design, and purchase of outdoor lighting equipment. The appearance of a lighting system can drastically alter the ambiance of a commercial area. Area and roadway lighting requires a designer to not only provide adequate illumination for the space, promoting a safe and secure environment, but also consider the environmental issues of light trespass, glare, and sky glow.

The Holophane Designer Series luminaires offer flexibility of choice in either a classic or contemporary styled product. Given the variety of lighting objectives associated with outdoor applications, Holophane has developed luminaires with high performance optics that address required lighting levels, uniformity and environmental issues, while minimizing the number of poles and luminaires to illuminate the space.

The Designer Series luminaires are designed with strong mechanical attributes for ease of installation and maintenance. The borosilicate glass refractors stay cleaner longer than other materials and our polyester powder coat finish and paint application process allows us to provide a variety of color choices with quality results. In addition, a wide variety of pole offerings and luminaire arms are available that complement the site architecture.



Contemporary

Abreast, current, in fashion. Utilizing the latest trends in style and designed to meet the modern and aesthetic qualities desired for commercial, area, and roadway lighting applications.



Major Mall Renovation:

Oakland Mall; Oakland, New Jersey

"ShopRite conducts numerous customer surveys each year," said Robert Clare, vice president. "In the past, when we asked customers about safety, parking and lighting, the responses were brutal.... we wanted fixtures that would invite shoppers in and would make them feel safe and secure as though they were already indoors." In the 30,000-square-foot parking lot, 20 Holophane PoleStar® fixtures with 400 -watt metal halide lamps are installed. The units are mounted on 30-foot dark bronze poles.

"We've been quite satisfied with the lighting," Clare concluded. "In the planning stages it was determined that we would do it right knowing that you get what you pay for. We believe the Holophane fixtures were the best choice. From a performance standpoint, the Holophane fixtures have been reliable, and customer response has been very positive.



Classic

The perfect balance between architectural familiarity and superior performance. These luminaires are made of durable construction and premium optical systems. Ideal for commercial, area, and roadway lighting applications.

Designer Series

CONTEMPORARY

GLASWERKS II



Milan



Bern



Lyon



Vienna

METROVUE



Urban Arch



Urban Yoke



Pedestrian Yoke

POLESTAR II



Round



Square



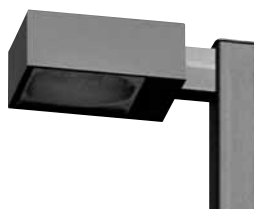
Octagonal

CLASSIC

MIRROSTAR



SOMERSET



Product Selection Matrix



Prague



Hallbrook



Hallbrook Extended



Radial Wave

PECHINA



Flat Glass



Sag Glass



Horizontal Mount

CRESTWOOD



Standard Canopy



Mansard Canopy

HOLOPHANE®

CONTEMPORARY

GlasWerks® II Series

GM | GB | GN | GP
GR | GS | GY | GE

A contemporary, Euro-styled design utilizing eight different styles, combined with a wide array of glass optics, make this product offering the most extensive in the industry when compared to alternatives. The luminaire design is the perfect balance between aesthetics and practicality, by incorporating a seamless silhouette with ease of maintenance/installation attributes.

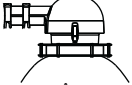
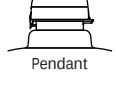
FEATURES:

- Euro-styled design
- Eight choices of style
- Tool-less electrical chamber entry
- Sixteen optical choices
- Permanent, durable glass refractor
- Electrical component replacement tray

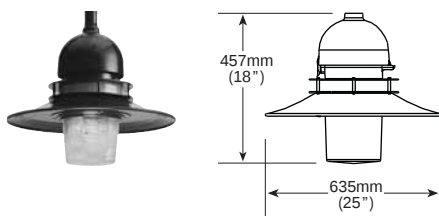
Example: GM 050HP 12 1 B U 1A D P



How to Construct a Catalog Number

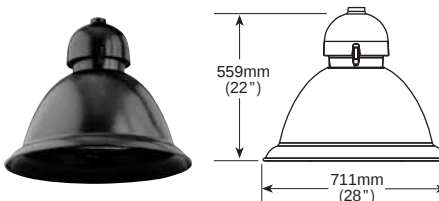
GM	050HP	12	1	B
1	2	3	4	5
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	HOUSING STYLE	FINISH
GM Milan GB Bern GN Vienna GP Prague GR Radial Wave GS Hallbrook Standard GY Lyon GE Hallbrook Extended	High Pressure Sodium 050HP ¹ 50W HPS, mogul 50DHP ¹ 50W HPS, medium 070HP 70W HPS, mogul 70DHP 70W HPS, medium 100HP 100W HPS, mogul 10DHP 100W HPS, medium 15AHP 150W/55V, mogul 15DHP 150W/55V HPS, medium 250HP 250W HPS, mogul 400HP ² 400W HPS, mogul Metal Halide 70DMH ³ 70W MH, medium 10DMH ³ 100W MH, medium 15DMH ³ 150W MH, medium 175MH 175W MH, mogul 17DMH 175W MH, medium 250MH 250W MH, mogul 400MH ² 400W MH, mogul 175PM 175W MH, mogul, pulse 250PM 250W MH, mogul, pulse 320PM ² 320W MH, mogul, pulse 350PM ² 350W MH, mogul, pulse 400PM ² 350W MH, mogul, pulse Induction 055QL 55W Induction 085QL 85W Induction 1 Not available with 347V 2 Available with compact lamp only 3 Not available with 347 and 480V	12 120V, UL & CUL 20 208V 24 240V 27 277V, UL & CUL 34 347V 48 480V 08 ¹ 208V 40 ¹ 240V Multivolt 120, 208, 240 & 277V MA ² Factory wired for 120V only MB ² Factory wired for 208V only MC ² Factory wired for 240V only MD ² Factory wired for 277V only 1 Isolated secondary, CUL listed 2 UL only	1 Arm Mount 2 Pendant Mount  	B Black Z Bronze N Green W White A As Specified D RAL 6005 E RAL 6008 F RAL 6009 H RAL 6012

GM | Milan®



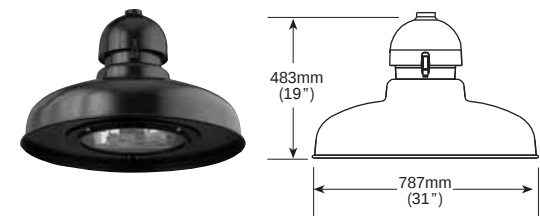
Maximum Weight: 20 kg. (45 lbs.)
Maximum EPA: 1.22

GB | Bern®



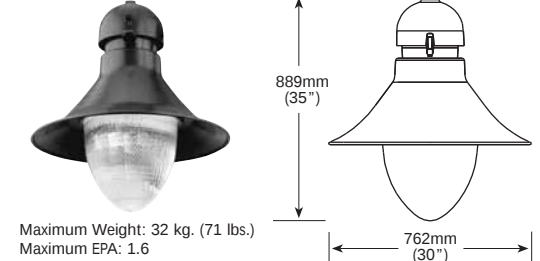
Maximum Weight: 30 kg. (66 lbs.)
Maximum EPA: 1.79

GN | Vienna®



Maximum Weight: 32 kg. (71 lbs.)
Maximum EPA: 1.6

GP | Prague®



Maximum Weight: 32 kg. (71 lbs.)
Maximum EPA: 1.6

DESIGNER SERIES CONTEMPORARY

GlasWerks® II Series



Milan



Bern



Vienna



Prague



Radial Wave



Lyon



Hallbrook



Hallbrook Extended

U

6

UP LIGHT

- S Standard Fixture, no Up Light
- U Up Light

1A

7

OPTICS

- 19¹ 919 Small sag, symmetric
 - 1A¹ 919 Small sag, asymmetric
 - 20¹ 920 Large sag, symmetric
 - 2A¹ 920 Small sag, asymmetric
 - Large Cylindrical Glass**
 - 21 4521 Wide, asymmetric
 - 24 4524 Narrow, asymmetric, 4-way
 - 25 4525 Symmetric
 - 26 4526 Forward throw
 - Small Cylindrical Glass**
 - 51 4551 Asymmetric
 - 55 4555 Symmetric
 - Prismatic Glass Bowl/Teardrop**
 - 72 4172 Narrow, asymmetric, bowl
 - 73 4173 Wide asymmetric, bowl
 - 75 4175 Symmetric, bowl
 - 94² 3094 Forward throw, asymmetric, small teardrop
 - 95² 3095 Symmetric, small teardrop
 - 9A³ 4094 Forward throw, asymmetric large teardrop
 - Flat Glass**
 - HA^{3,4} Horizontal lamp, square asymmetric
 - HS^{3,4} Horizontal lamp, square symmetric
- 1 Not available with cast guards
2 Not available with 250-400W lamps or induction
3 Not available with cast guards or uplight
4 Available with medium base lamps only

D

8

CAST GUARD¹

- C² Vertical Cast Guard
- D Vertical Cast Guard painted white
- E² Horizontal Cast Guard
- F Horizontal Cast Guard painted white
- N None
- V³ Cast Guard Door, vertical ribs only
- H³ Cast Guard Door, vertical and horizontal ribs only

Trim for Hallbrook Extended

- N None
- 1 For all units except Hallbrook Extended
- 2 Painted to match Luminaire color
- 3 Painted as specified

P

9

OPTIONS AND ACCESSORIES

See below

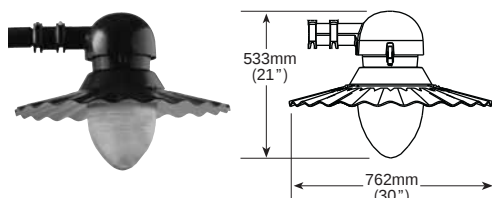
9 Options and Accessories

- H NEMA Twist-off Photocontrol Receptacle
- P Protected Starter for HPS Units
- B¹ DTL Button Type Photocontrol in Ballast Housing
- T NEMA Twist-off Photocontrol Receptacle and Protected Starter
- GWBANDX² Decorative Band installed between Housing and Cover

LAMP

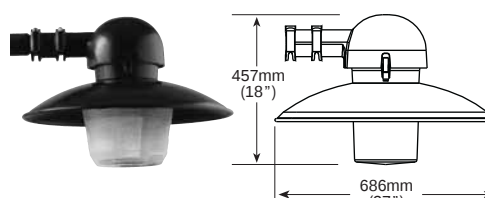
- 1 NA with 480V
- 2 Insert B, Z, N or A for X in catalog number

GR | Radial Wave



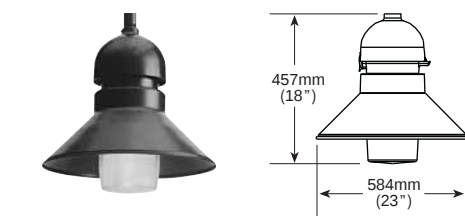
Maximum Weight: 25 kg. (54 lbs.)
Maximum EPA: 1.3

GY | Lyon



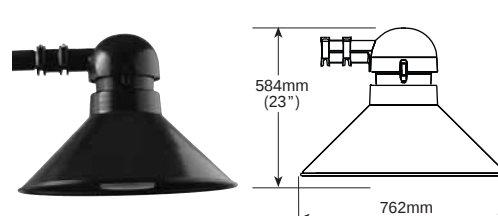
Maximum Weight: 22 kg. (49 lbs.)
Maximum EPA: 1.30

GS | Hallbrook®



Maximum Weight: 18 kg. (40 lbs.)
Maximum EPA: 1.40

GE | Hallbrook® Extended



Maximum Weight: 32 kg. (71 lbs.)
Maximum EPA: 1.6

This full line of one-piece construction, decorative aluminum posts offers a vast array of base style and shaft options to match virtually any project theme. Anchored by the significant breadth of choice, this collection offers an appropriate set of heights for pedestrian-scaled applications with GlasWerks II luminaires, ideally suited for 12' to 18'.

CONTEMPORARY

GlasWerks® II Cast Aluminum Poles

FEATURES:

- Contemporary style
- One-piece construction
- Reliable factory finish
- Ease of installation
- Corrosion resistant material

CH | CO | DW | FM | H | P | RH | SP

Example: Z CH 12S5X12 CA BK GW SV24/1CAXXH GWLF/200-SCA/XX FG-SXXH

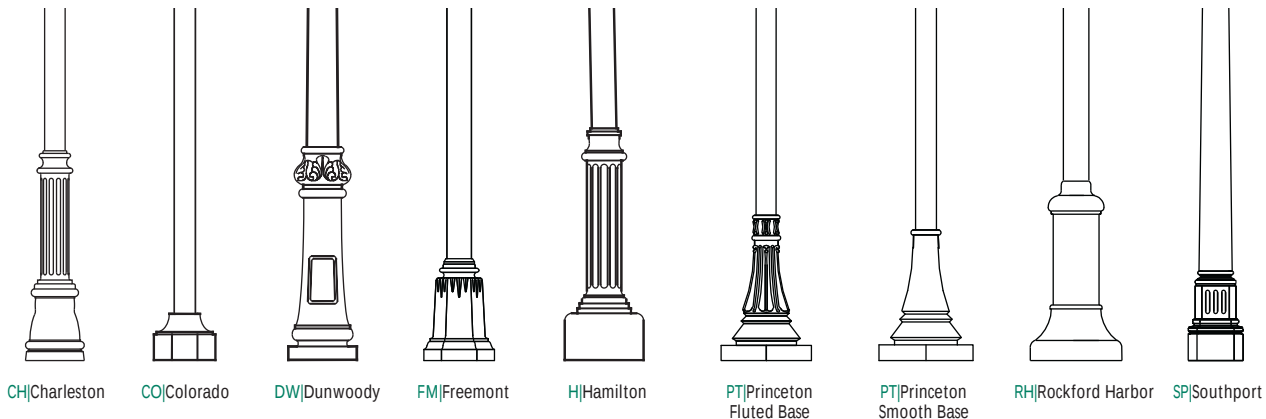


How to Construct a Catalog Number

1	2	3	4	5
COMPLETE POLE PACKAGE	STYLE NAME	POLE HEIGHT/BASE DIAMETER/WALL ¹	MATERIAL	FINISH
Z Pole including Anchor Bolts	CH Charleston CO Colorado DW Dunwoody FM Fremont H Hamilton P Princeton RH Rockford Harbor SP Southport	CH, CO and DW 12" Base, 5" Smooth Shaft <u>Catalog # Height Wall Thickness</u> 12S5X12 12' .25" 15S5X12 15' .25" FM and H 10" Base, 5" Smooth Shaft <u>Catalog # Height Wall Thickness</u> 12S5X10 12' .25" 15S5X10 15' .25" P and RH 18" Base, 5" Smooth Shaft <u>Catalog # Height Wall Thickness</u> 12S5X18 12' .25" 15S5X18 15' .25" SP 11" Base, 5" Smooth Shaft <u>Catalog # Height Wall Thickness</u> 12S5X11 12' .25" 15S5X11 15' .25"	CA Cast Aluminum	BK Black DG Dark Green DB Dark Bronze CM ¹ Custom Color Match CS ¹ Color Selection (RAL#) 1 Special

1 For mounting height over 15 feet, contact TSG

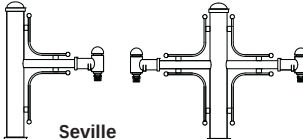
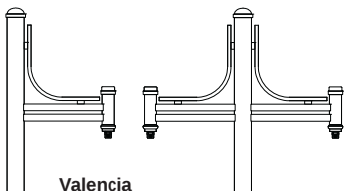
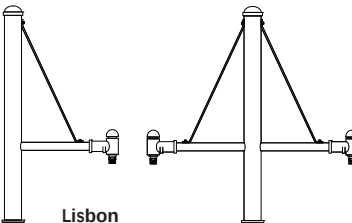
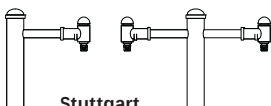
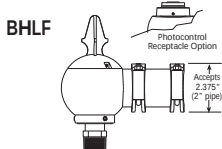
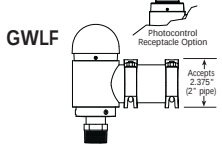
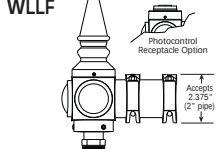
Decorative Base Designs



DESIGNER SERIES
CONTEMPORARY

GlasWerks® II
Cast Aluminum
Poles



6	7	8	9
POLE TYPE	CAST ALUMINUM CROSSARM	LEVELING FITTER SWIVEL ¹	OPTIONS AND ACCESSORIES
GW GlasWerks	SV24/1CAXXH 24" Single Seville SV48/2CAXXH¹ 48" Twin Seville VL27/1CAXXH 27" Single Valencia VL54/2CAXXH¹ 27" Twin Valencia LS29/1CAXXH 29" Single Lisbon LS58/2CAXXH¹ 58" Twin Lisbon SG20/1CAXXH 20" Single Stuttgart SG40/2CAXXH¹ Twin Stuttgart ¹ 2@180°    	BHLF/200-SCA/XX Boston Harbour GWLF/200-SCA/XX GlasWerks WLLF/200-SCA/XX West Liberty ¹ Required on all except Valencia   	See below

9 Options and Accessories

Omit Z Prefix	Less Anchor Bolts
FG-SXXH	Receptacle with Wet Location While Closed Cover
FGIUS-SXXH	Receptacle with Small, In-use Wet Location Cover
FGIUL-SXXH	Receptacle with Large, In-use Wet Location Cover
RB/GFI/WPC	Receptacle with Weatherproof Box and Cover for use in Base

FEATURES:

- Clean, modern style
- Aluminum or steel choice
- Decorative base option

CONTEMPORARY

GlasWerks® II Hallbrook Poles

HLBK

Example: HLBK 12 A 1 B GWBA468X

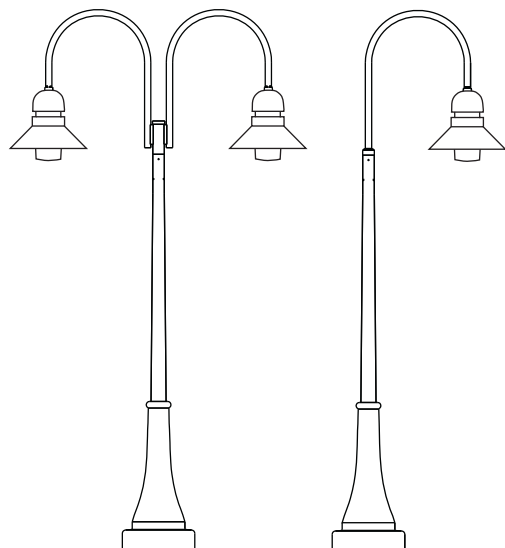


How to Construct a Catalog Number

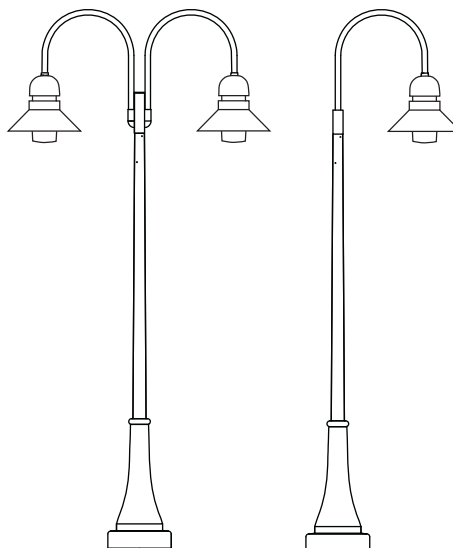
HLBK	12	A	1	B
1	2	3	4	5
POLE TYPE	POLE HEIGHT ¹	MATERIAL	NUMBER OF ARMS	FINISH
HLBK Hallbrook	12 12'H 15 15'H 18 18'H	A Aluminum S Steel	1 Single 2 Double	B Black Z Bronze N Green A As Specified

¹ To bottom of Luminaire

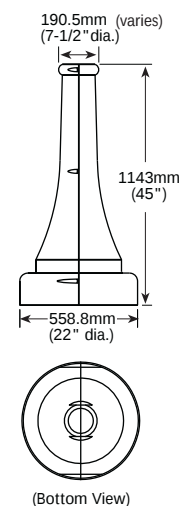
HLBK | Hallbrook - Aluminum



HLBK | Hallbrook - Steel



Cast Aluminum Clamshell Base Detail





DESIGNER SERIES
CONTEMPORARY

GlasWerks® II
Hallbrook
Poles

GWBA512B

6

OPTIONS AND ACCESSORIES

A Aluminum Poles

GWBA512X¹ Cast Aluminum Clamshell Decorative Base (12' pole version)

S Steel Poles

GWBA468X¹ Cast Aluminum Clamshell Decorative Base (12' pole version)

GWBA512X¹ Cast Aluminum Clamshell Decorative Base (15' pole version)

GWBA575X¹ Cast Aluminum Clamshell Decorative Base (18' pole version)

Weatherproof GFI receptacles and other custom equipment are also available.

Contact company for compatibility, availability and pricing.

¹ Insert B, Z, N or A for X in Catalog Number

HOLOPHANE®

CONTEMPORARY MetroVue®

EA | EY

An exciting line of refreshing styles designed for communities interested in a unique design theme with some elements of the past. The urban-scale models "arch" and "yoke" are ideally suited for higher wattage and taller mounting applications (18-30') such as urban boulevards and wide lane streets.

FEATURES:

- Unique, transitional design
- "Arch" or "Yoke" mounting
- Permanent, borosilicate glass optic
- Urban scaling
- Higher wattage
- Modern ease of maintenance features
 - Electrical component tray
 - Terminal block
 - Ease of electrical entry
 - Hidden latch for tool-less lamp change

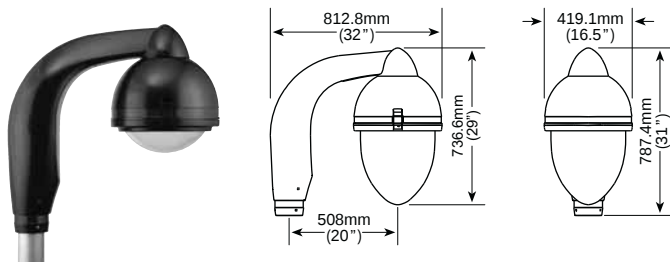


Example: EA 070HP 12 B 6 A B P

How to Construct a Catalog Number

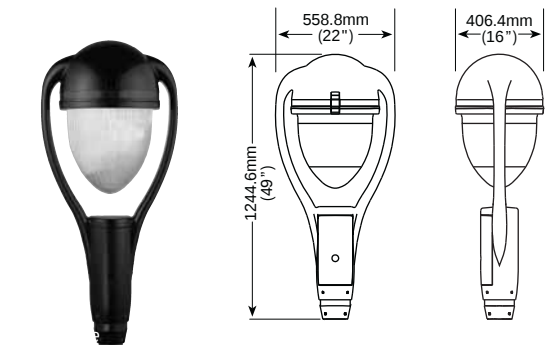
EA		070HP		12	B
1		2		3	4
LUMINAIRE		SOURCE AND WATTAGE		VOLTAGE	HOUSING COLOR
EA	Urban Arch	Mogul Base		08 ¹	208V
EY	Urban Yoke	15AHP	150W/55V HPS	12 ²	120V
		250HP	250W HPS	20	208V
		400HP	400W HPS	24	240V
		175MH	175W MH,	27 ²	277V
		175PM	175W MH, pulse start	34 ²	347V
		250MH	250W MH	40 ¹	240V
		250PM	250W MH, pulse start	48	480V
		320PM	320W MH, pulse start	MT	Multi-tap
		350PM	350W MH, pulse start	Multi-tap, factory wired	
		400MH	400W MH	MA	120V only
		400PM	400W MH, pulse start	MB	208V only
				MC	240V only
				MD	277V only

EA | Urban Arch



Maximum Weight: 32 kg. (71 lbs.)
Maximum EPA: 2.62
Slipfitter for 4" Tenon

EY | Urban Yoke



Maximum Weight: 41 kg. (90 lbs.)
Maximum EPA: 2.04
Slipfitter for 4" Tenon

- 1 Isolated secondary, CUL listed
- 2 CUL listed



DESIGNER SERIES

CONTEMPORARY

MetroVue®



Urban Arch



Urban Yoke

6

A

B

P

5

6

7

8

OPTIC

Asymmetric

- 2 Type II Bowl Glass
- 3 Type III Bowl Glass
- 4 Type IV Tear Drop Glass
- 7 Sag Glass

Symmetric

- 5 Type V Bowl Glass
- 6 Sag Glass

4



2,3,5



6,7



YOKE ORIENTATION

- A¹ Parallel to street side
- B¹ Perpendicular to street side
- 1 Urban Yoke only - for Urban Yoke only, skip this step for Urban Arch.

ACCENT COLOR

- B Black
- L Dark Blue
- G Gold
- N None
- R Red
- S Silver
- W White

OPTIONS

See below

8 Options

P	Protected Starter
R	NEMA Twist-off Photocontrol Receptacle
PCTWSTLK120	NEMA Twist-off Photocontrol, 120 volt
PCTWSTLK12202427	NEMA Twist-off Photocontrol, 120-277 volt
PCTWSTLK480	NEMA Twist-off Photocontrol, 480 volt
PCTWSTLK347	NEMA Twist-off Photocontrol, 347 volt
PCTWSTSHORTCAP	Shorting Cap
DS	30" Diameter Deep Skirt for Cut-off
SS	30" Diameter Shallow Skirt for Cut-off

An exciting line of refreshing styles designed for communities interested in a unique design theme with some elements of the past. The pedestrian-scale "yoke" model is ideally suited for lower wattage and mounting height applications (8-15') such as walkways, campuses, plazas, and other public gathering places.

CONTEMPORARY

MetroVue® Pedestrian Yoke

EYP

FEATURES:

- Unique, transitional design
- Lower wattage
- Permanent, borosilicate glass optics
- Modern ease of maintenance features
 - Electrical component tray
 - Terminal block
 - Ease of electrical entry
 - Hidden latch for tool-less lamp change

Example: EYP 050HP 12 B 6 A B P

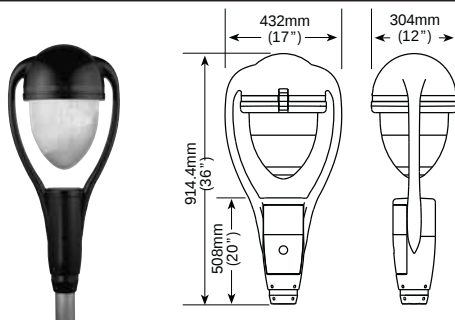


How to Construct a Catalog Number

EYP	050HP	12	B
1	2	3	4
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	HOUSING COLOR
EYP Pedestrian Yoke	Mogul Base 050HP 50W HPS 070HP 70W HPS 100HP 100W HPS 15AHP 150W/55V HPS 100MV 100W MV 175MV 175W MV 175MH 175W MH 175PM 175W MH, Pulse Medium Base 35DHP 35W HPS 50DHP 50W HPS 70DHP 70W HPS 10DHP 100W HPS 15DHP 150W HPS 70DMH 70W MH 10DMH 100W MH 15DMH 150W MH 17DMH 175W MH 17DPM 175W MH, Pulse Incandescent 20DIN 200W Incandescent Induction 55WQL 55W Induction (Philips QL) 85WQL 85W Induction (Philips QL)	08 ¹ 208V 12 120V 20 208V 24 240V 27 ² 277V 34 ² 347V 40 ¹ 240V 48 480V Multi-tap, factory wired MA 120V only MB 208V only MC 240V only MD 277V only	B Black M Brown Metallic Z Bronze L Dark Blue H Graphite N Green W White A As Specified

1 Isolated secondary, CUL listed
2 CUL listed

EYP | Pedestrian Yoke



Maximum Weight: 19 kg. (42 lbs.)
Maximum EPA: 1.08
Slipfitter for 3" Tenon



DESIGNER SERIES

CONTEMPORARY

MetroVue®



Pedestrian
Yoke

6 5 OPTIC	A 6 ORIENTATION	B 7 ACCENT COLOR	P 8 OPTIONS AND ACCESSORIES
Asymmetric 4 Type IV, Tear Drop Glass 7 Sag Glass Symmetric 5 Type V, Tear Drop Glass 6 Sag Glass 4,5  6, 7 	A Parallel to Street Side B Perpendicular to Street Side	B Black L Dark Blue G Gold N None R Red S Silver W White A As Specified	See below

8 Options and Accessories

P	Protected Starter
R	NEMA Twist-off Photocontrol Receptacle
PCTWSTLK120	NEMA Twist-off Photocontrol, 120V
PCTWSTLK12202427	NEMA Twist-off Photocontrol, 120-277V
PCTWSTLK480	NEMA Twist-off Photocontrol, 480V
PCTWSTLK347	NEMA Twist-off Photocontrol, 347V
PCTWSTSHORTCAP	Shorting Cap
LAMP	Appropriate Lamp Ships with Luminaire

HOLOPHANE®

CONTEMPORARY Pechina™

P

The sleek contemporary lines of Pechina combined with strong mechanical attributes make it a natural fit for roadway and area applications. Pechina can achieve dramatic nighttime effects while enhancing the daytime appearance of the environment. Compliance with today's environmental lighting issues, combined with energy efficiency, the luminaire is designed to meet the most demanding of specifications. A wide choice of lamps, optics, and colors provides optimum choices for specifiers.

FEATURES:

- Distinctive, European style
- Full cutoff, cutoff, and semi cutoff optics
- Flat glass and sag glass options
- IESNA Type II, III, and IV lighting distributions
- Universal mounting for arm or tenon
- Tool-less entry
- IP66 rating
- Sleek design, low EPA



Example: P 070HP 12 F W GR PS F1

How to Construct a Catalog Number

P		070HP		12		F	
1		2		3		4	
LUMINAIRE		SOURCE AND WATTAGE		VOLTAGE		DISTRIBUTIONS	
P	Pechina	<u>Mogul</u>	<u>Medium</u>	08 ¹	208V	F	Forward Throw, Asymmetrical Frontal
		<u>Base</u>	<u>Base</u>	12	120V	N	Narrow Distribution, Asymmetrical Longitudinal Street
		070HP	70DHP 70W HPS	20	208V	W	Wide Distribution, Asymmetric Street
		100HP	10DHP 100W HPS	24	240V		
		15AHP	15DHP 150W HPS	27	277V		
		250HP	NA 250W HP	34	347V		
		400HP	NA 400W HPS	40 ¹	240V		
		NA	70DMH 70W MH	48	480V		
		NA	10DMH 100W MH	MT ²	Multi-voltage		
		NA	15DMH 150W MH	MA	Multivolt Pre-wired to 120V tap		
		175MH	17DMH 175W MH	MB	Multivolt Pre-wired to 208V tap		
		250MH	NA 250W MH	MC	Multivolt Pre-wired to 240V tap		
		400MH ¹	NA 400W MH	MD	Multivolt Pre-wired to 277V tap		
		1 Requires compact lamp		1 Isolated Secondary C/UL			
				2 For 120/208/240/277V			

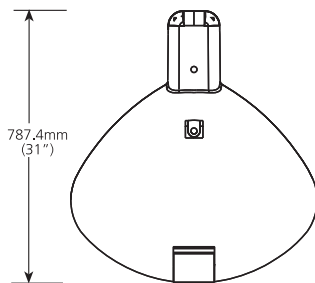
1 Requires compact lamp

1 Isolated Secondary C/UL
2 For 120/208/240/277V

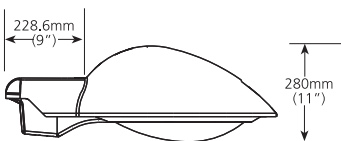
P | Pechina



Maximum Weight: 25 kg. (55 lbs.)
Maximum EPA: 0.8
Slipfitter for 3" Tenon

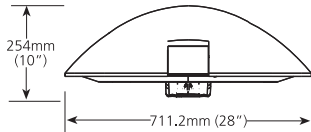


787.4mm
(31")



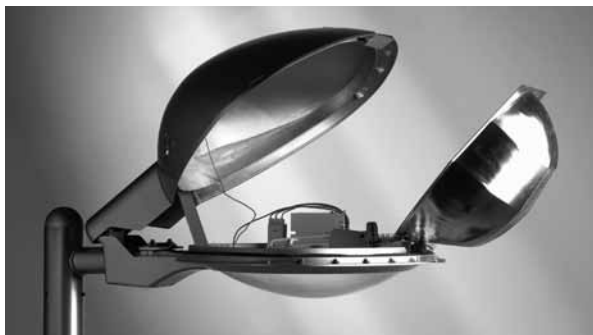
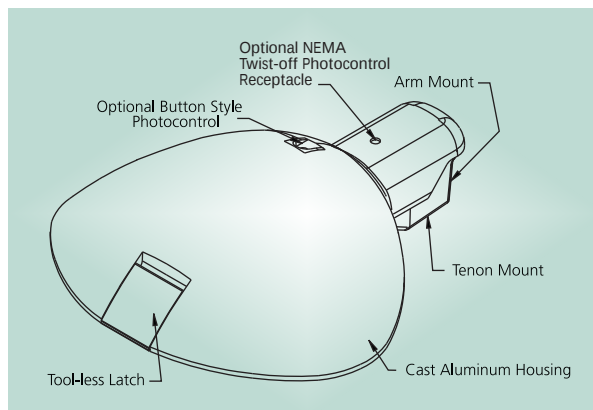
228.6mm
(9")

280mm
(11")



254mm
(10")

711.2mm (28")





DESIGNER SERIES CONTEMPORARY

Pechina™



Pechina with Flat Glass



Pechina with Sag Glass



Horizontal Mount

W	GR	PS	F1
5	6	7	8
GLASS	FINISH	OPTIONS	ACCESSORIES
F Flat W Sag Glass	BD Dark Blue BK Black BM Brown Metallic BZ Bronze GH Graphite GN Green GR Gray WH White AS As Specified	See below	See below

7 Options

PI	Plug-in Starter for HPS Units
PS	Protected Starter for HPS Units
PG	Plug-in Protected Starter for HPS Units
PR ¹	Button Style Photocontrol
R ⁴	NEMA Twist-off Photocontrol Receptacle
PCTWSTL120U ²	Twist-off Photocontrol 120V-12A
PCTWSTL12202427U ²	Twist-off Photocontrol 240V-12A
PCTWSTL480U ²	Twist-off Photocontrol 480V-11A
PCTWSTSHRTCAPU ³	Twist-off Photocontrol Shorting Cap
NEMA XXXX ⁴	NEMA Label. Attached Option.

8 Accessories (Ships separately)

F1 ⁵	Single Fusing for 120, 240, 277 and 347V Units
F2 ⁵	Double Fusing for 208, 240 and 480V Units
PECHINAHSSXX ⁶	External House Side Shield

1 Available with 120, 208, 240, 277 and 347V only. Limited to 175W and below.

Not available with "R" or "PCTWSTL" photocontrols.

2 Shipped in carton with unit. Must be used with "R".

3 Not available with "PR" or "PCTWSTLK". Must use with "R".

4 Replace "XXXX" with Wattages, ie: 070HP (70HPS), 100HP (100HPS),
See Options Section

5 Fusing is not available on 480V

6 Insert color for "XX" in catalog number

CONTEMPORARY PoleStar® II

PT

PoleStar luminaires provide a variety of designs to complement any architectural design while also satisfying the requirement for a functional, maintainable lighting system.

The distinct European styling will complement any building's façade while a precisely engineered optics provides a safe, uniform lighting environment. Optical choices include forward throw distribution, square distribution, and asymmetric distributions. The product line features three distinctive mounting styles including arched arm, linear arm, and post top.

FEATURES:

- Choice of three architectural covers
- IESNA cutoff, and semi cutoff optics
- Square, asymmetric, and forward throw optics
- Arm mount electrical assembly to improve maintenance and reliability
- Distinct mounting arm including arched arm, linear arm, and post top
- European styling
- Open and enclosed optics

Example: PT 4 250HP 12 S H S K HS F1



How to Construct a Catalog Number

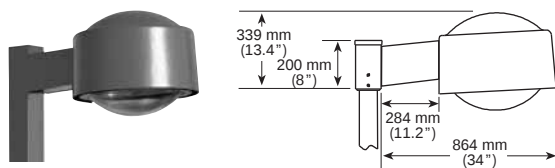
PT	4	250HP	12	S
1	2	3	4	5
LUMINAIRE	SIZE	SOURCE AND WATTAGE	VOLTAGE	OPTICS
PT PoleStar II	4 Medium 5 Large	PT4 250HP 250W HPS 400HP 400W HPS 250MH 250W MH 250MP 250W MH 400MH 400W MH 400MP 400W MH 400PM ¹ 400W MH 400PP 400W MH PT5 750HP 750W HPS C10HP 1000W HPS CP1HP ² 1000 Compact HPS C10MH 1000W MH C10MP 1000W MH	08 ¹ 208V 12 120V 20 ² 208V 24 ² 240V 27 277V 34 347V 40 ¹ 240V 48 480V MT ^{3,5} Multi-voltage VT ⁴ Vari-tap	Asymmetric Distribution A Enclosed Aluminum Forward Throw Distribution F Enclosed Aluminum C Enclosed Glass P Open Glass Square Distribution S Enclosed Glass N Open Glass

1 Pulse Start
2 S, N, C and P Optics only

1 Isolated Secondary C/UL
2 For UL approval 208V, 240V for PT4 only
3 For 120/208/240/277V
4 For 120/277/347V
5 NA with 750HP

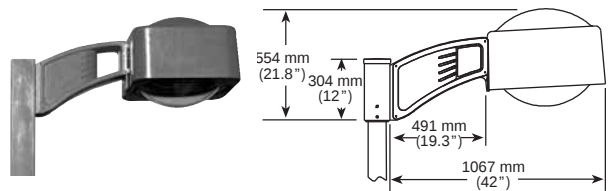
PT4 | PoleStar II Medium

Round



Maximum Weight: 36.2 kg., (80 lbs.)
Maximum EPA: 2.22

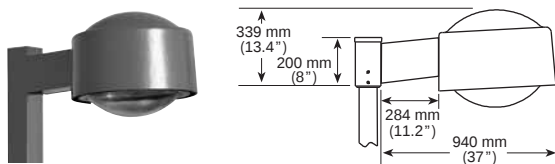
Square



Maximum Weight: 38.5 kg., (85 lbs.)
Maximum EPA: 4.34

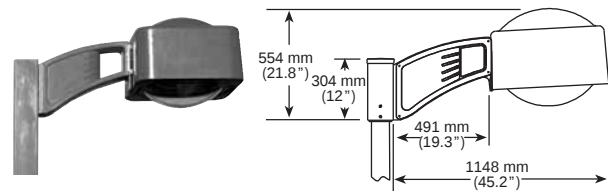
PT5 | PoleStar II Large

Round



Maximum Weight: 41 kg., (90 lbs.)
Maximum EPA: 3.03

Square



Maximum Weight: 43.1 kg., (95 lbs.)
Maximum EPA: 4.97



DESIGNER SERIES CONTEMPORARY

PoleStar® II



Round



Square



Octal



Post Top

H 6	S 7	K 8	HS 9	F1 10
MOUNTING	COVER	COLOR	OPTIONS	ACCESSORIES
H Arched Arm, hole	S Square	K Black	See below	See below
L Linear Arm	R Round	V Green		
A Arched Arm, solid	F Octal Flat	W White		
P Post Top		Z Bronze		

9 Options

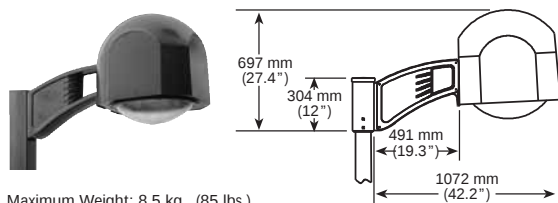
HS	House Side Shield ("A" and "F" optics only)
PS	Protected Starter for HPS Units

10 Accessories (Ships separately)

F1	Single Fusing for 12, 24, 27 and 34 Voltage codes
F2	Double Fusing for 20, 08, 24, 40 and 48 Voltage codes
PTHS	House Side Shield for Enclosed Optics, A, C, F, and S only
SDXX ¹	House Side Shield for Open Optic
WBXX ¹	Wall Bracket for Structural Mounting

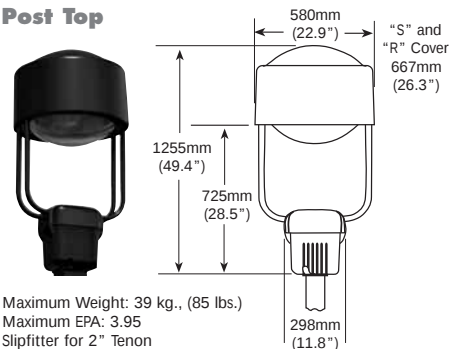
1 Insert Color BK-Black, GN-Green, WH-White or BZ-Bronze for "XX" in catalog number

Octal



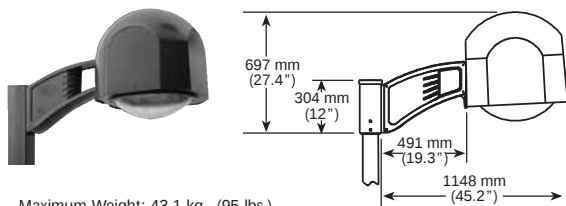
Maximum Weight: 8.5 kg., (85 lbs.)
Maximum EPA: 3.69

Post Top



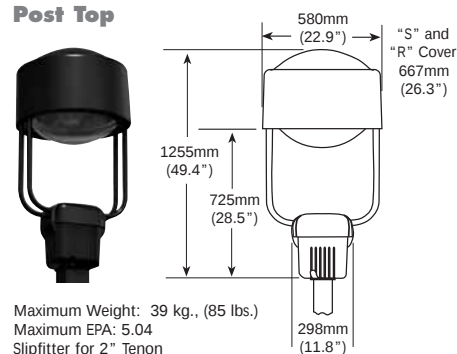
Maximum Weight: 39 kg., (85 lbs.)
Maximum EPA: 3.95
Slipfitter for 2" Tenon

Octal



Maximum Weight: 43.1 kg., (95 lbs.)
Maximum EPA: 3.69

Post Top



Maximum Weight: 39 kg., (85 lbs.)
Maximum EPA: 5.04
Slipfitter for 2" Tenon

CLASSIC MirroStar® MS

The MirrorStar luminaire combines superior performance with ease of maintenance features to provide a unique solution for street and area applications. The MirrorStar reflectors provide the highest quality lighting by combining the latest technology in optical design, material and construction.

FEATURES:

- Miro4 optical assembly with minimum 92% specularity and 95% reflectivity
- One piece formed aluminum housing with smooth welded seams
- One piece heavy duty door frame that is fully gasketed
- Continuous door hinge allows for ease of opening and maintenance
- IESNA Type III and IESNA Type V lighting distributions
- IESNA full-cutoff optics
- Electrical components mounted to a detachable tray with tool-less disconnect
- Polyester powder coat finish

Example: MS 2 A 250HP 12 H 3 NN Z PS MSHS2-X

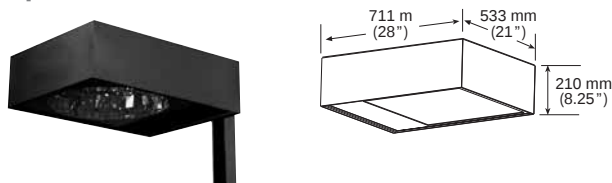


How to Construct a Catalog Number

MS	2	A	250HP	12	H
1	2	3	4	5	6
LUMINAIRE	HOUSING SIZE	HOUSING SHAPE	SOURCE AND WATTAGE	VOLTAGE	LAMP
MS MirroStar	2 Medium, 250–400W 3 Large, 1000W	A Rectangular	High Pressure Sodium 250HP 250W HPS 400HP 400W HPS C10HP 1000W HPS Metal Halide 250MH 250W MH 400MH 400W MH 400PM ¹ 400W MH C10MH 1000W MH	12 120V 20 208V 24 240V 27 277V 34 347V 48 480V MT ¹ Multi-voltage VT ² Vari-tap	H Horizontal Lamp
			1 Pulse Start	1 For 120/208/240/277V 2 For 120/277/347V	

MS | MirroStar

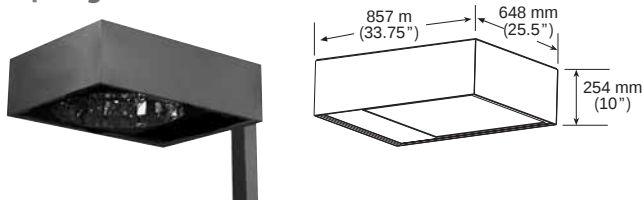
2 | Medium



Maximum Weight: NN – 20.4 kg. (45 lbs.); SS – 21.7 kg. (48 lbs.); LS – 22.6 kg. (50 lbs.)
Maximum EPA: NN – 1.92; SS – 2.31; LS – 2.69

MS | MirroStar

3 | Large



Maximum Weight: NN – 29.5 kg. (65 lbs.); SS – 30.8 kg. (68 lbs.); LS – 31.7 kg. (70 lbs.)
Maximum EPA: NN – 2.81; SS – 3.20; LS – 3.58



DESIGNER SERIES

CLASSIC

MirroStar®



MirroStar-Medium



MirroStar-Large

3	NN	Z	PS	MSHS2-X
7	8	9	10	11
BEAM PATTERN DISTRIBUTION	MOUNTING	FINISH	OPTIONS	ACCESSORIES
3 IESNA Type III Q IESNA Type V, Square	NN No Arm SS 6" Arm for Square Pole LS 12" Arm for Square Pole	K Black Z Bronze W White	See below	See below

10 Options

F1	Single Fusing for 120, 240, 277 and 347V
F2	Double Fusing for 208, 240 and 480V
PS	Protected Starter for HPS
R	Photocontrol Receptacle (Photocontrol not included)
TB	Terminal Block

11 Accessories (Ships separately)

MSHS2-X ¹	House Side Shield for Medium Housing
MSHS3-X ¹	House Side Shield for Large Housing
MSTN01-X ¹	2-3/8" tenon adapter, 1 set of holes for a single luminaire
MSTN02-X ¹	2-3/8" tenon adapter, 2 @ 180°
MSTN2L-X ¹	2-3/8" tenon adapter, 2 @ 90°
MSTN03-X ¹	2-3/8" tenon adapter, 3 @ 90°
MSTN04-X ¹	2-3/8" tenon adapter, 4 @ 90°
MSHS2-X ¹	House side shield for medium housing
MSHS3-X ¹	House side shield for large housing
MSSS-X ¹	6" arm for square pole
MSLS-X ¹	12" arm for square pole
MSWP-X ¹	Wall mount plate. Use with 6" or 12" arm

1 Insert finish from Step 9 for "X"

GENERAL AREA/BOULEVARD

Somerset®

SMST

FEATURES:

- Prismatic lens to obscure lamp image and improve uniformity
- Asymmetric and forward throw optics
- Hydroformed aluminum reflectors
- Luminaire body is formed 18 gauge housing with cast aluminum door frame
- Quick install ballast tray with quarter turn fastener and electrical disconnect for ease of maintenance
- Fully gasketed door assembly

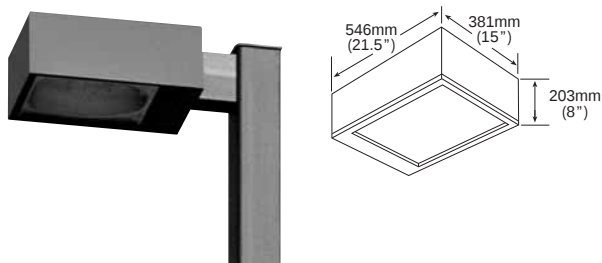
Example: SMST 100HP 12 BK CL PS F1



How to Construct a Catalog Number

SMST	100HP	12	BK	CL
1	2	3	4	5
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	COLOR	OPTICAL
SMST Somerset	100HP 100W HPS 15AHP 150W HPS 250HP 250W HPS 400HP 400W HPS 175MH 175W MH 250MH 250W MH 400MH 400W MH	12 120V 20 208V 24 240V 27 277V 34 347V 48 480V 08 ¹ 208V 40 ¹ 240V MT ² Multi-voltage VT ^{3,4} Vari-tap	BK Black GR Gray WH White BZ Bronze	PM ¹ Prismatic Borosilicate Glass CL Clear Tempered Glass Forward Throw PF ² With Prismatic Glass CF ² With Clear Tempered Glass
		1 Isolated secondary, CUL listed 2 For 120/208/240/277V 3 For 120/277/347V 4 Available with 250HP, 400HP, 250MH, and 400MH only		1 These units are shipped with adjustable socket set to produce the widest spacing. The socket can be field adjusted to provide other distributions. (Does not apply to 400W MH) 2 Lamp provided by Holophane

SMST | Somerset



Maximum Weight: 13 kg. (28 lbs.) – 16 kg. (36 lbs.)
Maximum EPA: 1.43



DESIGNER SERIES

CLASSIC

Somerset®



PS

6

OPTIONS

PS Protected Starter for HPS

F1

7

ACCESSORIES (SHIPS SEPARATELY)

F1	Single Fusing for 120, 240, 277 and 347V Units
F2	Double Fusing for 208, 240 and 480V Units
SMSTARMXX¹	146mm (5.75") Arm
SMSTL1XX¹	Adaptor Round Pole
SMSTL1RXX¹	Adaptor Round Pole with photo receptacle
SMSTL1AXX¹	Adaptor Round Pole with arm
SMSTL1ARXX¹	Adaptor Round Pole with arm and photo receptacle
SMSTL2XX¹	Adaptor, Round Pole, 2 units @ 180°
SMSTL2RXX¹	Adaptor, Round Pole, 2 units @ 180° with photo receptacle
SMSTL2AXX¹	Adaptor, Round Pole, 2 units @ 180° with arm
SMSTL2ARXX¹	Adaptor, Round Pole, 2 units @ 180° with arm and photo receptacle
SMSTL2LAXX¹	Adaptor, Round Pole, 2 units @ 90° with arm
SMSTL2LARXX¹	Adaptor, Round Pole, 2 units @ 90° with arm and photo receptacle
SMSTL3AXX¹	Adaptor, Round Pole, 3 units @ 90° with arm
SMSTL3ARXX¹	Adaptor, Round Pole, 3 units @ 90° with arm and photo receptacle
SMSTL4AXX¹	Adaptor, Round Pole, 4 units @ 90° with arm
SMSTL4ARXX¹	Adaptor, Round Pole, 4 units @ 90° with arm and photo receptacle
SMSTPBXX¹	51mm (2.0") Pipe Adaptor
SMSTWBXX¹	Wall Bracket, Close Mount
SMSTWSXX¹	Wall Bracket with 146mm (5.75") Arm

¹ Insert color for "XX" in catalog number

HOLOPHANE®

GENERAL AREA/BOULEVARD

Crestwood®

CW2A | CW3A

The Crestwood luminaire series is designed to provide optimal photometric performance while providing a sense of safety and security for any area and boulevard lighting application.

FEATURES:

- Square lighting distributions
- Wide spacing
- Uniform lighting
- Two sizes of luminaires
- Mansard and standard canopy styles
- Polyester powder coat finish
- Excellent for lighting vertical surfaces

Example: CW2A 070HP 12 CA BK PS CW2A90

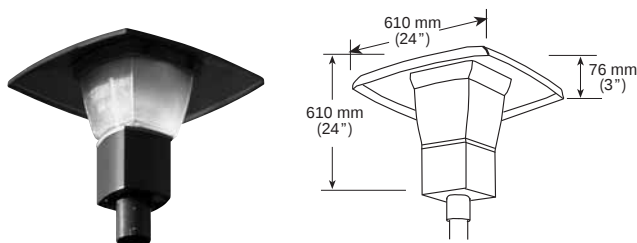


How to Construct a Catalog Number

CW2A	070HP	12	CA	BK
1	2	3	4	5
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	CANOPY	FINISH
CW2A Small Crestwood CW3A Large Crestwood	CW2A 070HP 70W HPS 100HP 100W HPS 15AHP 150W HPS 175MH 175W MH 250MH 250W MH CW3A 250HP 250W HPS 400HP 400W HPS C10HP 1000W HPS 400MH 400W MH C10MH 1000W MH	08 ¹ 208V 12 120V 20 208V 24 240V 27 277V 34 347V 40 ¹ 240V 48 480V MT ² Multi-voltage VT ³ Vari-tap	CA Standard MN Mansard	BK Black BZ Bronze GR Gray WH White
		1 Isolated Secondary C/UL 2 For 120/208/240/277V 3 For 120/277/347V		

CW2A | Small Crestwood

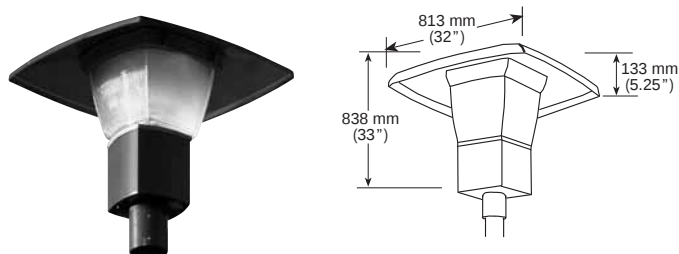
CA | Standard Canopy



Maximum Weight: 19 kg. (37 lbs.)
Maximum EPA: 1.68
Slipfitter for 3" Tenon

CW3A | Large Crestwood

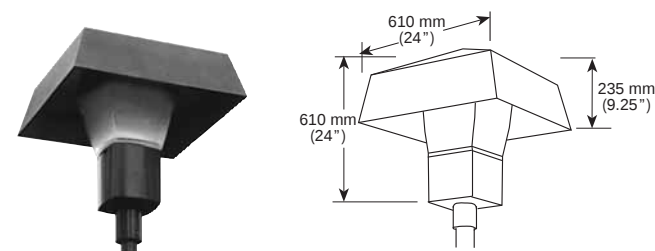
CA | Standard Canopy



Maximum Weight: 38 kg. (74 lbs.)
Maximum EPA: 2.71
Slipfitter for 4" Tenon

CW2A | Small Crestwood

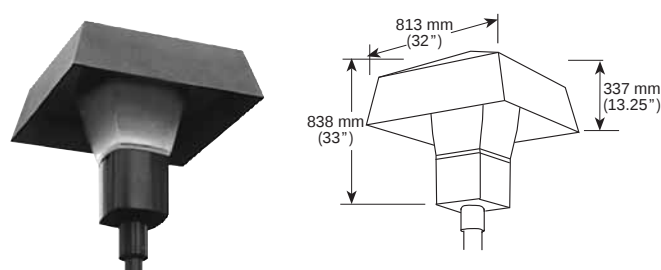
MN | Mansard Canopy



Maximum Weight: 19 kg. (42 lbs.)
Maximum EPA: 2.48
Slipfitter for 3" Tenon

CW3A | Large Crestwood

MN | Mansard Canopy



Maximum Weight: 38 kg. (84 lbs.)
Maximum EPA: 4.31
Slipfitter for 4" Tenon



DESIGNER SERIES

CLASSIC

Crestwood®



Crestwood-Standard Canopy



Crestwood-Mansard Canopy

PS

6

OPTIONS

PS¹ Protected Starter

1 NA with 08, 40

CW2A90

7

ACCESSORIES (SHIPS SEPARATELY)

CW2A90	90° Shield
CW3A90	90° Shield
CW2A120	120° Shield
CW2A180	180° Shield
CW3A180	180° Shield
CWAPR¹	208, 240, 277V Photocontrol Kit
CWAPR12¹	120V Photocontrol Kit
CWAPRC1012²	120V Photocontrol Kit, 1000W
CWAPR34¹	347V Photocontrol Kit
C20APRC1034²	347V Photocontrol Kit, 1000W

1 Available with 250HP, 400HP, 400MH only

2 Available with C10HP and C10MH only

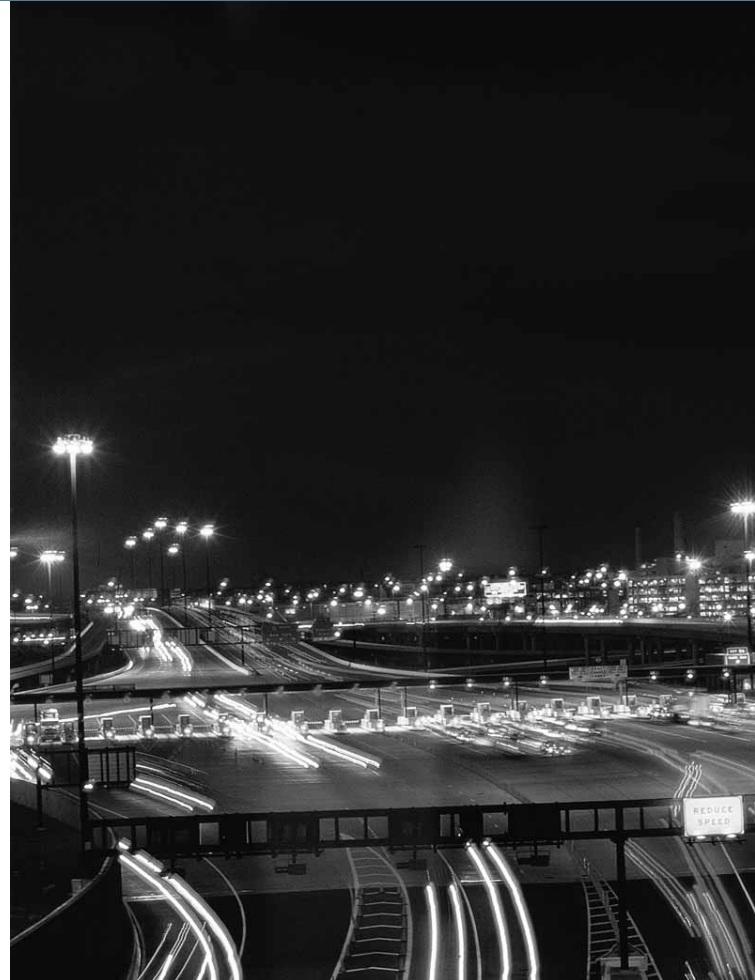
Infrastructure

The Infrastructure product line offers a complete selection of luminaires to light all of your roadway and infrastructure areas, from high-mast infrastructure areas to parking garages and tunnels; from ports and floodlighting, to sign lighting.

- **Increased safety**
- **Reduced operating costs**
- **Versatility**
- **Reliability, dependability, toughness**
- **Superior performance, ease of maintenance**

TYPICAL APPLICATIONS:

Bridges	Rail Yards
Parking Garages	Travel Centers
Sports	Correctional Facilities
Sign	Security Lighting
Highway/Interchanges	Storage Facilities
Floodlighting	
Tunnels	
Airports/Seaports	



Lighting Promotes Safety

McCarran Tunnel; Las Vegas, Nevada

"One of the comments we have heard most often is that there is no glare when entering and driving through the tunnel since the lamps are not visible to the motorist," said Ernie Gomes, Electrical Layout Supervisor, Bechtel Corporation, San Francisco, engineers and designers for the project. "The walls and other vehicles are very well lighted. Since these are the things a driver looks at in a tunnel, safety is improved and the motorist feels comfortable."

Infrastructure

Infrastructure

Roadway

Floodlighting

Sign Lighting

Parking Areas/Garages

Wall Mounts

INTRODUCTION

Lighting solutions...

The Infrastructure product line is diverse on the types of applications and markets it serves. These applications usually require the illumination of large areas. These include high speed Roadways and Interchanges, Ports, Rail Yards, Freight Terminals, Industrial Areas, and Correctional Facilities. Each application has unique lighting challenges.

Motorists entering a multi-level, high-speed roadway need the full panoramic view to safely access their situation and proceed. For a correctional facility, nighttime security including TV surveillance is required. For freight terminals and rail yards, high vertical surface lighting on railroad cars, trucks, and containers reduces possibility of pilferage and speeds identification. Holophane has developed a line of rugged luminaires that enhance visibility and identification. Fewer poles can be utilized and can be placed away from high traffic areas improving safety and security while lowering initial first costs.

Holophane Infrastructure luminaires are designed with strong mechanical attributes for ease of installation and maintenance. The borosilicate glass reflectors/refractors ensure optimal lighting performance to meet any roadway and area application. These products are manufactured with the highest quality materials to ensure long life in the toughest of environments.



Prismatic Lighting Boosts Security

MIT Parking Garage; Cambridge, Massachusetts

The structure was retrofitted with 36 Parkpak luminaires with 100-watt high pressure sodium lamps. Mounted at 13 feet against the flat, concrete ceiling, the prismatic glass fixtures direct light in a uniform square pattern, allowing for 22-foot spacing. Light levels are 20 footcandles maintained. They tried to light up the areas as much as possible to promote safety. The Parkpak units have a 360-degree light disbursement, which makes the lighting very uniform. Students now feel comfortable walking to their vehicles because they can see everywhere.



Lighting Lessens Likelihood of Escape

Lebanon Correctional Facility; Lebanon, Ohio

The facility got another security boost when a Holophane 100-foot HMST high mast lighting system was installed in the yard. The fenced site at Lebanon Correctional Institution is 38 1/2 acres. Inmates have access to the area for recreation and exercise, with part of the yard used as a sports field.

Infrastructure

INFRASTRUCTURE

HIGH MAST SERIES



HMAO S



HMAO R



HMAO L



HMAO J



HMSC

MONGOOSE



Drop Glass



Shallow Drop Glass



Flat Glass

SIGN LIGHTING



Panel-Vue



Sign-Vue II

WALL/CANOPY



Module 600



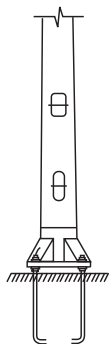
Parkpak



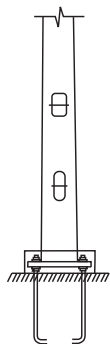
Wallpack IV

POLE SELECTION GUIDE

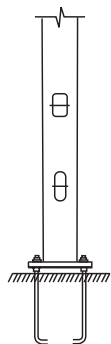
ALUMINUM AND STEEL



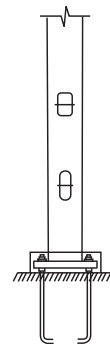
Round Tapered
Aluminum



Round Tapered
Steel



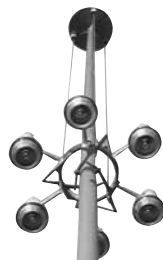
Square Straight
Aluminum



Square Straight
Steel

Product Selection Matrix

LOWERING DEVICES



LD



LMS



Tunnel Predator



RSL-200



Vector

PREDATOR



PD

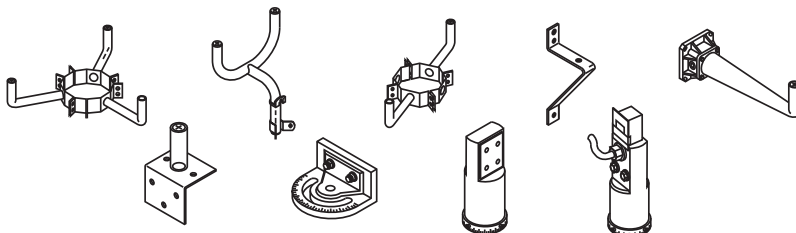


PF



Prismbeam II

BRACKETS AND MOUNTING HARDWARE

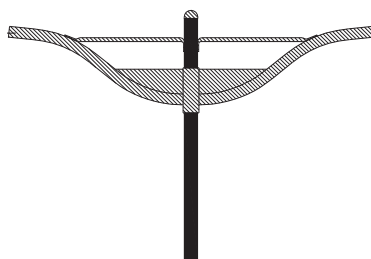


SPECIALTY



Outdoor Substation

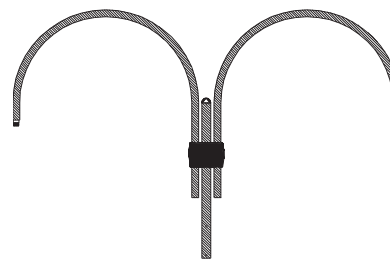
REVITALIZATION SERIES



Piedmont



Curl



Venice

AREA/ROADWAY

High Mast Luminaires

HMAO™ | HMSC®

FEATURES:

- Symmetric, asymmetric, and long and narrow lighting distributions
- IESNA full cutoff, cutoff, and semi cutoff optical choices
- Die cast aluminum housings
- Internal terminal block simplifies installation
- Self cleaning open ventilated optics or enclosed optical systems
- Unitized ballast assembly with quick disconnect electrical assembly

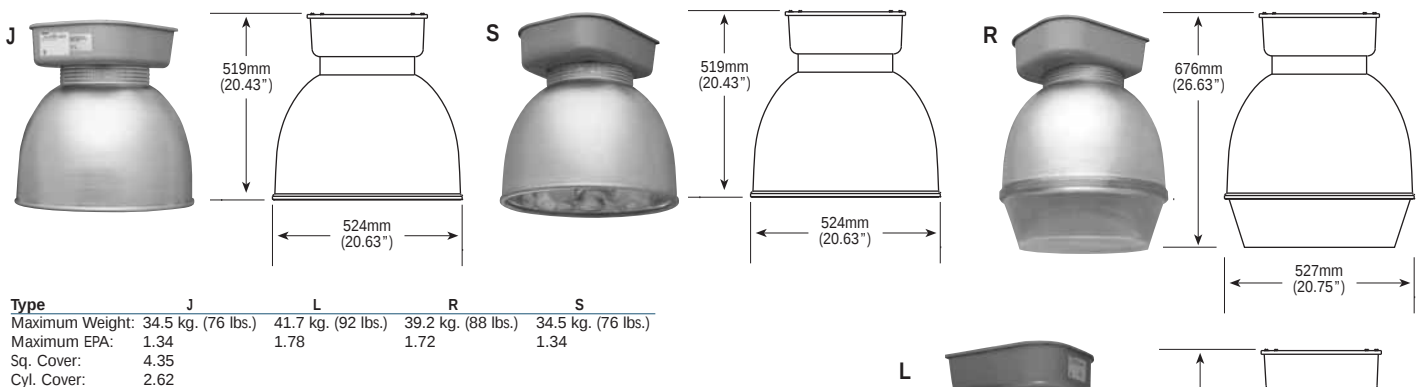
Example: HMSC 400HP 12 B 8 PS LAMP



How to Construct a Catalog Number

HMSC		400HP	12	B
1		2	3	4
LUMINAIRE		SOURCE AND WATTAGE	VOLTAGE	OPTICAL
HMAO	High Mast Advanced	High Pressure Sodium	08 ¹ 208V	HMAO
	Optix Series			
HMSC	High Mast Cutoff Enclosed	400HP 400W HPS, Mogul	40 ¹ 240V	J Asymmetric
		40RHP 400W HPS, Mogul, Mag Reg	12 120V	L Asymmetric
		750HP 750W HPS, Mogul	20 208V	R Symmetric
		C10HP 1000W HPS	24 240V	S Symmetric
		CP1HP ² 1000W HPS, Compact	27 277V	HMSC
		Metal Halide	34 347V	
		400MH ² 400W MH	48 480V	A ¹ Narrow Asymmetric
		400MP ¹ 400W MH	MT ² Multi-voltage	B ² Wide Asymmetric
		C10MP ¹ 1000W MH	Multi-voltage	C Symmetric
		Mogul Base	MA ³ Prewired for 120V	1 Available with 7 & 9 beam angle
		400PM ¹ 400W MH, Pulse	MB ³ Prewired for 208V	
		400PP ¹ 400W MH, Pulse	MC ³ Prewired for 240V	
		C10MH 1000W MH	MD ³ Prewired for 277V	
		1 Protected sockets, open rated fixture	1 Isolated Secondary, CUL listed	
		2 Not available with HMSC	2 For 120, 208, 240, 277V	
			3 HMAO only	

HMAO™ | High Mast



HMSC® | High Mast Cutoff Enclosed



High Mast Luminaires



HMAO High Mast Advanced
Optix "S" Series



HMAO High Mast Advanced
Optix "R" Series



HMAO High Mast Advanced
Optix "L" Series



HMAO High Mast Advanced
Optix "J" Series



HMSC High Mast Cut off Enclosed

8		PS	LAMP
5		6	7
BEAM ANGLE		OPTIONS	ACCESSORIES
7	Low	See below	See below
8 ¹	Medium		
9	High		
1 Available with "C" optics only			

6 Options

R ¹	NEMA Twist-off Photocontrol Receptacle
PS ²	Protected Starter for 400HP, 40RHP, C10HP AND CP1HP units only
FD1 ³	Single Fuse Disconnect Assembly for 120,240,277, MA MC, MD and 347V
FD2 ³	Double Fuse Disconnect Assembly for 208 and 240V

7 Accessories (Ships separately)

F1	Single Fusing, Field Installed for 120, 240, 277 or 347V, MA, MC, or MD
F2	Double Fusing, Field Installed for 208, 240 or 480V, MB or MC
PS-100	Replacement Protected Starter for 400RHP and 400HP
PS-1000	Replacement Protected Starter for 1000HPS
Lamp	Appropriate Lamp Installed
HMAO	
SD-395-90	90° Shield
SD-395-120	120° Shield
SD-395-180	180° Shield
HMSC	
J ⁴	Cylindrical Cover, Black
L ⁴	Cylindrical Cover, Bronze
M ⁴	Square Cover, Black
N ⁴	Square Cover, Bronze

1 NA with "MT"
2 NA with "08" or "40" voltage codes
3 NA with 750HPS, 347V
4 NA with "R" option

High mast systems require fewer luminaires to light an area than when shorter poles are used. The result is less connected load for energy savings and fewer poles within a given space to increase safety for motorists and maintenance personnel. The luminaires can be lowered to the ground for normal relamping, eliminating the need for lift vehicles or contract maintenance fees.

AREA/ROADWAY

Lowering Devices

LD

FEATURES:

- Top latching system removes all weight from cables, ensuring long cable life and increased safety factor
- Self centering ring assembly keeps the ring concentric to pole during operation
- Weather-tight, ring mounted power inlet enables the system to be energized and tested at ground level
- Options including multiple circuit configuration, lightning protection, closed circuit surveillance camera, and FAA warning lights

Example: LD05 1 04 HO 7H E 090 C R 09249

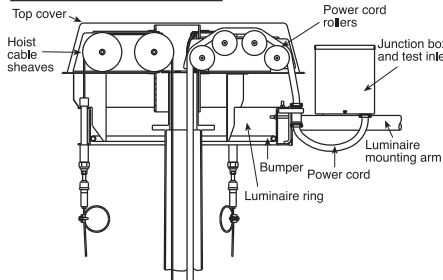


How to Construct a Catalog Number

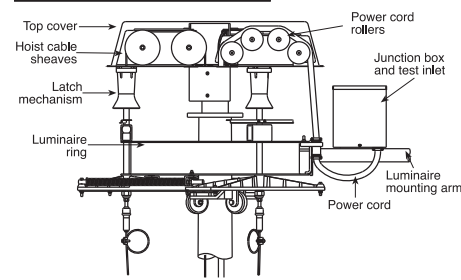
LD05	1	04	HO	7H
1	2	3	4	5
DEVICE	NO. OF CIRCUITS	QUANTITY OF LUMINAIRES	LUMINAIRE	SOURCE AND WATTAGE
Top Latching	1 1 Circuit	02 2	HM HMAO	4H 400W HPS
05 ¹ Centering System	2 2 Circuits	03 3	HC HMSC	4M 400W MH
08 ¹ Non-centering System		04 4	MY Mongoose, Yoke Only	4R 400W HPS, mag reg
15 ³ Centering System		05 5	PB Prismbeam II	7H 750W HPS
18 ³ Non-centering		06 6	PF Predator	7M 750W MH
25 ² Centering System		07 7		1H 1000W HPS
28 ² Non-centering		08 8		1M 1000W MH
Bottom Latching		09 9		5M 1500W MH
07 ¹ Centering System		10 10		6M 1650W MH
09 ¹ Non-centering System		12 12		
27 ² Centering System				
29 ² Non-centering System				

- 1 With internal winch
- 2 With internal winch and drive motor
- 3 External winch and motor required

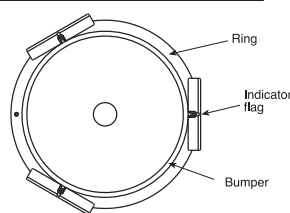
Bottom latching, bumper



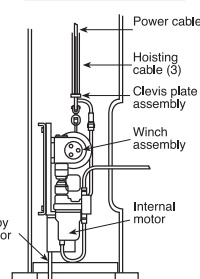
Top latching, centering system



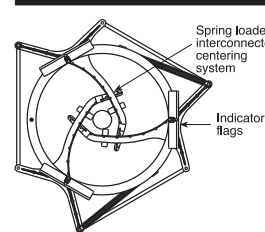
Ring assembly, with inner bumper



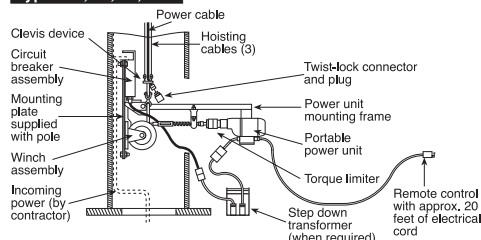
Types 25, 27, 28, 29



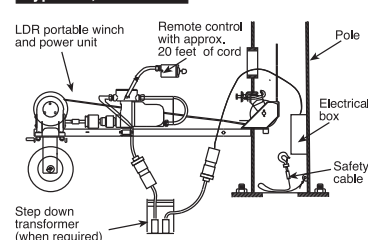
Ring assembly, with centering system



Types 05, 07, 08, 09



Types 15, 18



Lowering Devices



E		090		C	R	09249
6		7		8	9	10
FREQUENCY, VOLTAGE AND PHASING		POLE HEIGHT		CABLE TYPE	OPTIONS	ACCESSORIES
A	120V, Single Phase	050	50'	<u>05/07/08/09/25/27/28/29</u>	See below	See below
B ¹	120/208V, 3 Phase	060	60'	A ¹ Galvanized – 1/4" dia. Cable		
C	208V, Single Phase	070	70'	B ¹ Galvanized – 5/16" dia. Cable		
D	208V, 3 Phase	080	80'	C ¹ Stainless steel – 1/4" dia. Cable		
E	240V, Single Phase LL	090	90'	D ¹ Stainless steel – 5/16" dia. Cable		
F	240V, Single Phase LN	100	100'	<u>15/18</u>		
G	277V, Single Phase	110	110'	E ¹ Galvanized Hoisting Cables		
H ¹	277/480V, 3 Phase	120	120'	F ¹ Stainless Steel Hoisting Cables		
J ¹	347/600V, 3 Phase	130	130'	1 3/16" dia. hoisting cable		
K	480V, Single Phase	140	140'			
L	480V, 3 Phase	150	150'			
1 4 wire		15M	15 meters	9 Options		
		20M	20 meters	1	Lightning Arrestor on Circuit Breaker Enclosure in Pole Base	
		25M	25 meters	2	Lightning Arrestor on Ring Junction Box	
		30M	30 meters	R	Photocontrol Receptacle on Ring Junction Box	
		35M	35 meters	FAA1-XXX ¹	Single Aircraft Warning Light	
		40M	40 meters	FAA2-XXX ¹	Double Aircraft Warning Light	
		45M	45 meters	FAA2TR-XXX ¹	Double Aircraft Warning Light with Transfer Relay	
				FLAG ²	Flag Indicator	
				FWC-XX ³	Fixed Wireway Cover on Ring	
				LR	Lightning Rod	

10 Accessories (Ships separately)

LDM-W-X-Y-Z ^{4,6}	Portable Drive Motor for Types 05, 07, 08 and 09
09249 ⁵	Leveling Block Assembly
LDG-W-X-Y-Z ⁶	Portable Winch and Drive Motor Unit with Galvanized Cable for Types 15 and 18
LDS-W-X-Y-Z ⁶	Portable Winch and Drive Motor Unit with Stainless Steel Cable for Types 15 and 18

- 1 XXX = Voltage of LD
2 Available on "07", "09", "27" and "29" only
3 XX = number of fixtures
4 NA for "15", "25", "27", "28", "29"
5 Available on type 05,08,15, 18, 25 and 28 only
6 To specify, "W" = Number of circuits, (1,2); "X" = Phase, (1 for single phase, 3 for 3 phase, 4 for 3 phase/4Wire); "Y" = Voltage, (120, 208, 240, 277, 480, 600); "Z" = Amps, (30, 50, 100)

High Mast Lighting with Surveillance Camera

To order, contact TSG

The New HMS Lighting with Surveillance Camera System is specifically designed for outdoor use. The camera is enclosed in a weather resistant shell to protect it from the elements and is mounted on an arm and attached to the Holophane Lowering device.

Surveillance Camera



Lowering devices require fewer luminaires to light an area than when shorter poles are used. The result is less connected load for energy savings and fewer poles within a given space to increase safety for motorists and maintenance personnel. The luminaires can be lowered to the ground for normal relamping, eliminating the need for lift vehicles or contract maintenance fees.

AREA/ROADWAY

Lowering Devices

LMS

FEATURES:

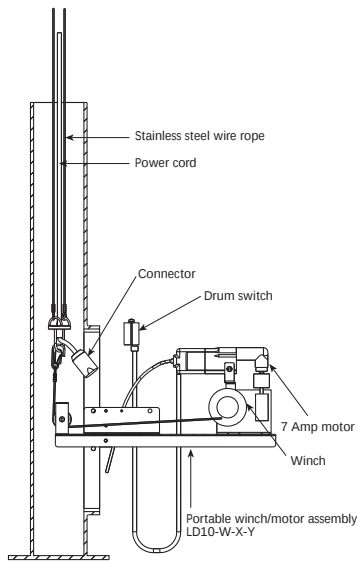
- Clean architectural design that blends with many applications
- Top latching system removes all weight from cables, ensuring long cable life and increased safety factor
- Self centering ring assembly keeps the ring concentric to pole during operation
- Options including multiple circuit configuration, lightning protection and FAA warning lights

Example: 10 1 6 HT 4H K 060 BZ 1 LD10-W-X-Y

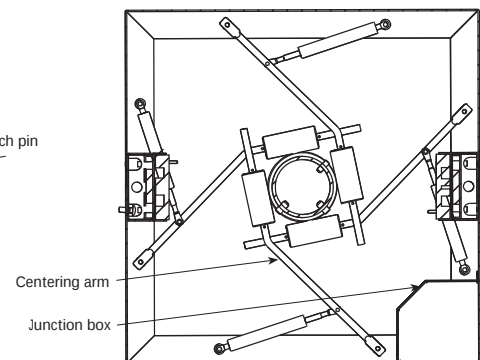
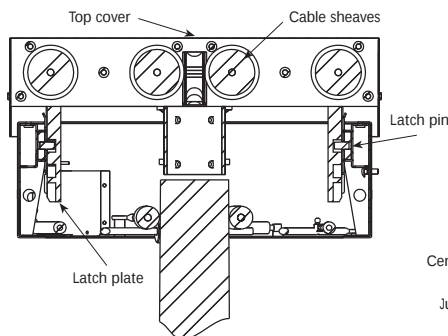


How to Construct a Catalog Number

10	1	6	HT	4H
1	2	3	4	5
DEVICE	NO. OF CIRCUITS	QUANTITY OF LUMINAIRES	LUMINAIRE	SOURCE AND WATTAGE
10 Top Latching, Centering Arms, Stainless Steel	1 1 Circuit	2 2, All Wattages	AS ASP Ameri-Sport	2H 250W HPS
11 Top Latching, Centering Arms, Pre-galvanized Steel, Powder Coat Finish	2 2 Circuits	4 4, All Wattages	AV AVL with Ballast in Arm	2M 250W MH
		6 6, 400 Watt Maximum	HC HMSC	4H 400W HPS
		1 Not available with HMAO R and HMAO L	HMS HMAO S	4M 400W MH
			HML HMAO L	4R 400W HPS, Mag. Reg.
			HMR HMAO R	7H 750W HPS
			IS Interstate II Series 77	7M 750W MH
			MA Mongoose - Architectural Mount	1H 1000W HPS
			MH Mongoose - Horizontal Mount	1M 1000W MH
			MS MirroStar - Ballast in Arm	
			MY Mongoose - Yoke Mount	
			PB Prismbeam II	
			PF Predator (medium)	
			U5 Ultraflood Series 75	
			U7 Ultraflood Series 77	



Lowering Mechanism



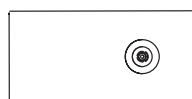
Lowering Devices



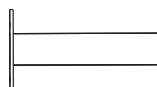
K		060		BZ		1	LD10-W-X-Y
6		7		8		9	10
FREQUENCY, VOLTAGE AND PHASING		POLE HEIGHT		COLOR		OPTIONS	ACCESSORIES
A	120V, Single Phase	030	30'	BK	Black	See below	See below
B¹	120/208V, 3 Phase	040	40'	BZ	Bronze		
C	208V, Single Phase	050	50'	NS	Natural Stainless Steel		
D¹	208V, 3 Phase	060	60'	WH	White		
E	240V, Single Phase LL	070	70'				
F	240V, Single Phase LN	080	80'				
G	277V, Single Phase	090	90'				
H¹	277/480V, 3 Phase	100	100'				
J¹	347/600V, 3 Phase						
K	480V, Single Phase						
L¹	480V, 3 Phase						

¹ Not available with double circuits

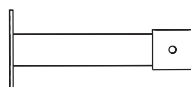
Mounting Arms



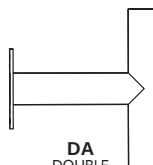
BIA
BALLAST IN ARM
Luminaire: AV, MS



SA
SINGLE
Luminaire: HC, MH



BE
BOX END
Luminaire: MY, AS, U5, U7, IS, PB, PF



DA
DOUBLE
Luminaire: HC, HMAO

9 Options

- 1** Lightning Arrestor on Circuit Breaker Enclosure in Pole Base (one per circuit)
- 2** Single Aircraft Warning Light (2 or 4 luminaires only)
- 3** Double Aircraft Warning Light (2 or 4 luminaires only)
- 4** Double Aircraft Warning Light with Transfer Relay (2 or 4 luminaires only)
- 5** Lightning Rod

10 Accessories *(Ships separately)*

LD10-W-X-Y¹ Portable Winch and Drive Motor with Stainless Steel 3/16" Winch Cable

¹ To specify, "W" = Number of circuits, (1,2); "X" = Phase, (1 for single phase, 3 for 3 phase, 4 for 3 phase/4Wire); "Y" = Voltage, (120, 208, 240, 277, 480, 600)

The Tunnel Predator luminaire utilizes optimized optical systems for both Probeam and Counterbeam lighting designs. These luminaires evenly illuminate the walls and meet IESNA RP-22 pavement luminance. The luminaires are designed for simplified maintenance with a removable door containing all electrical components.

AREA/ROADWAY

Tunnel Predator®

TPF

FEATURES:

- Specialized tunnel optics designed for Probeam and Counterbeam lighting designs
- Innovative design minimizes the likelihood of viewing the lamp resulting in reduced glare
- Meets IESNA RP-22 design criteria
- Luminaire designed to UL 595 Marine Listing and will pass 100 PSI hose down test.
- Unitized electrical assembly with quick disconnect ballast door to simplify maintenance
- IP65 rating for dust tight and water jet proof construction



Example: TPF 070DHP 12 K P 2 G PS

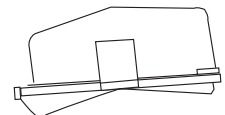
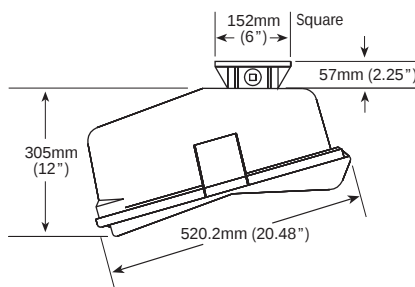
How to Construct a Catalog Number

TPF		070DHP		12	K	P
1		2		3	4	5
LUMINAIRE		SOURCE AND WATTAGE		VOLTAGE		UL CATEGORY
TPF	Tunnel Predator	<u>Mogul</u>	<u>Medium</u>	12	120V	K Wet Location
		<u>Base</u>	<u>Base</u>	20	208V	
		TPF Probeam		24	240V	
		NA	07DHP	27	277V	
		NA	10DHP	48	480V	
		NA	15DHP	MT ¹	Multi-voltage	
		TPF Probeam & TPF Counterbeam		1 120 – 277V		
		250HP	NA	250W HPS		
		25LHP ¹	NA	250W HPS		
		400HP	NA	400W HPS		
		40LPH ¹	NA	400W HPS		
		TPF Counterbeam Crossbeam				
		070HP	NA	70W HPS		
		100HP	NA	100W HPS		
		15AHP	NA	150W HPS		
		1 Energy saving				

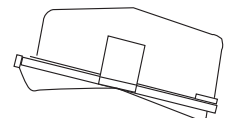
TPF | Tunnel Predator



Maximum Weight: 21 kg., (46 lbs.)



Counterbeam
Traffic Flow →

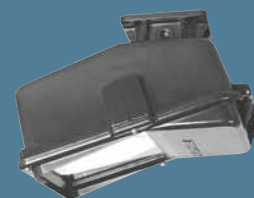


Probeam
Traffic Flow ←



INFRASTRUCTURE AREA/ROADWAY

Tunnel Predator®



*Tunnel Predator with
junction box mount*

2

6

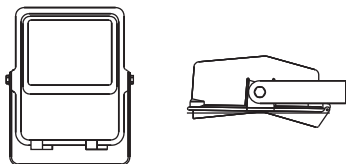
MOUNTING

- 2 Box Mount ("P" optics only)
- 3 Stainless Steel Yoke
- 6 304 Stainless Steel Plate (24" x 30")

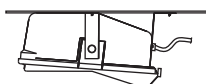
2 Box



3 Yoke



6 Plate



G

7

COLOR

- G Gray
- B Bronze

PS

8

OPTIONS

- PS Protected Starter for HPS Lamps
- JB¹ NEMA 4X Non-metallic Junction Box

¹ Available for mounting "6" only

The RSL 200 luminaire offers an energy savings and a cost effective solution for new and retrofit street and area lighting applications. The luminaire is versatile with horizontal, pendant, wall, and corner mounting options available. The highly engineered refractor assembly provides excellent vertical lighting to promote a sense of safety and security while minimizing glare.

AREA/ROADWAY

RSL – 200

RS2L

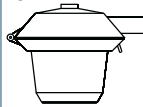
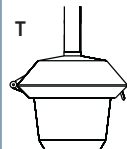
FEATURES:

- Prismatic glass refractor in IESNA Type III and IESNA Type IV distributions
- Available in top or side entry
- Vertical lamp combines with efficient refractor and provides high vertical light with minimal glare
- Wall and corner mount brackets make it an excellent choice for security lighting
- Decorative covers available

Example: RS2L 200HP 12 S A21 09077 F1



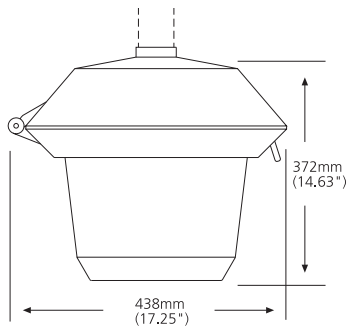
How to Construct a Catalog Number

RS2L	200HP	12	S	A21
1	2	3	4	5
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	MOUNTING	OPTICS
RS2L Residential Street Luminaire	070HP 70W HPS 100HP 100W HPS 15AHP 150W/55V HPS 175MH 175W MH 250MH 250W MH	08 ¹ 208V 12 120V 20 208V 24 240V 27 277V 34 347V 40 ¹ 240V 48 480V MT ² Multi-voltage VT ³ Vari-tap 1 Isolated Secondary C/UL 2 120, 208, 240 or 277V 3 120, 277 or 347V, not available with 200HP	S Side T Top  	Asymmetric Refractor A21 ¹ Type II, III or IV, Glass APC ¹ Type II or III, Polycarbonate C24 ¹ Type II, 4 Way, Glass D26 ¹ Type III or IV, Glass 1 Lamp determines distribution

RSL2 | RSL - 200



Maximum Weight: 16.8 kg., (39 lbs.)
Maximum EPA: 1.00





INFRASTRUCTURE AREA/ROADWAY

RSL – 200



09077

6

OPTIONS

09077 Protected Starter for HPS

F1

7

ACCESSORIES (*SHIPS SEPARATELY*)

O8987¹	Photocontrol Receptacle
O877¹	Wall Bracket
O871-CA¹	Outside Corner Adapter for O877
BR-150¹	Bracket for 3" O.D. Pole Top Tenon Mount
F1	Single Fusing for 120, 240, 277 and 347V
F2	Double Fusing for 208, 240 and 480V
LAMP	Lamp
PS-55	Replacement Protected Started 15AHP and below
RS2LSD	90° Shield
RS2LDCS²	Decorative Cover, Bronze Finish, without Photocontrol
RS2LDCT²	Decorative Cover, Bronze Finish

¹ Side entry only

² Decorative cover available with other finishes. Consult factory

The Vector luminaire can be mounted for off set roadway applications meeting AASHTO defined "Clear Zone" requirements eliminating the need for expensive break-away foundations and guardrails. Fewer poles with further locations from the roadway means fewer obstacles for motorists to avoid. Due to its unique optical design, the Vector luminaire is commonly used for correctional facilities, industrial storage areas, as well as areas incorporating closed circuit television, due to the balance of horizontal and vertical illuminance providing an added sense of safety and security.

FEATURES:

- Removable ballast assembly with quick disconnect electrical connections
- Tool-less entry
- Stainless steel latches
- Knuckle mounting or yoke mounting
- Prismatic glass refractor

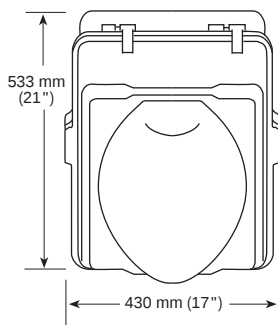
Example: HL2A 200HP 12 B 1 PS F1



How to Construct a Catalog Number

HL2A	200HP	12	B
1	2	3	4
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	FINISH
HL2A Vector	070HP 70W HPS 100HP 100W HPS 15AHP 150W HPS, 55V 200HP 200W HPS 250HP 250W HPS 25RHP¹ 250W HPS 400HP 400W HPS 40RHP¹ 400W HPS 175MH 175W MH 250MH 250W MH 400MH 400W MH	08¹ 208V 12 120V 20 208V 24 240V 27 277V 34 347V 40¹ 240V 48 480V MT² Multi-voltage VT³ Vari-tap	B Dark Bronze G Gray
	1 Mag Reg Ballast	1 Isolated Secondary C/UL 2 120, 208, 240 or 277V; not available with 25RHP or 40RHP 3 120, 277 or 347V; available with 250HP, 400HP, 250HP and 400MH only	

HL2A | Vector



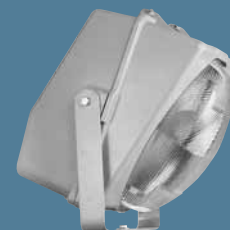
Maximum Weight: 24 kg. (53 lbs.)
Maximum EPA: 2.63



HOLOPHANE®

INFRASTRUCTURE
AREA/ROADWAY

Vector®



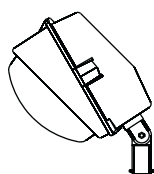
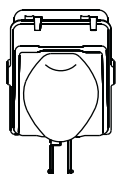
1

5

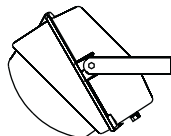
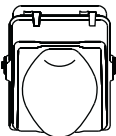
MOUNTING

- 1 2" Knuckle Fitter
- 4 Zinc Plated Yoke

1



4



PS

6

OPTIONS

- PS Protected Starter for HPS
- R Twist-off Photocontrol Receptacle

F1

7

ACCESSORIES

See below

7 Accessories (Ships separately)

- F1 Single Fuse Kit for 120, 240, 277 and 347V
- F2 Double Fuse Kit for 208, 240 and 480V
- Lamp Appropriate Lamp Supplied

HOLOPHANE®

AREA/ROADWAY Mongoose®

G

The Mongoose Roadway and Area lighting luminaire offers versatility of applications with advanced optical systems and an aesthetically pleasing design. The ability to configure the Mongoose optics, tilt, and mounting method to meet specific applications enables it to be used in diverse projects that include narrow roadway, wide roadway, general area, and floodlighting applications.

FEATURES:

- 14 optical distributions include Forward Throw, Square, Narrow Flood, Wide Flood, Narrow Roadway, and Wide Roadway.
- Mounting choices include Vertical tenon, Architectural arm, Horizontal arm, and Yoke mount
- Flat glass, clear drop glass, and prismatic refractor available
- IESNA full cutoff through semi cutoff distributions
- Tool-less entry and quick disconnect ballast door for ease of maintenance
- Plug-in HPS starter ease of replacement
- Variable tilts between 0 and 45 degrees



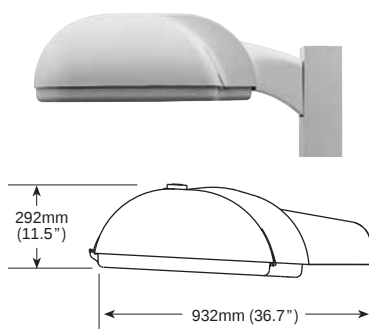
Example: G 100HP 12 L NC A Z B F1

How to Construct a Catalog Number

G	100HP	12	L	NC
1	2	3	4	5
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	TILT RANGE	OPTICS
G Mongoose	Mogul Base High Pressure Sodium 100HP 100W HPS 15AHP 150W HPS 250HP 250W HPS 25LHP ¹ 250W HPS 400HP 400W HPS 40LHP ¹ 400W HPS Metal Halide 175MH 175W MH 250MH 250W MH 25LMH ¹ 250W MH 400MH 400W MH 40LMH ¹ 400W MH Metal Halide, Pulse Start 250PM 250W MH 25LPM ¹ 250W MH 400PM 400W MH 40LPM ¹ 400W MH 1 Energy Saving	08 ¹ 208V 12 120V 20 208V 24 240V 27 277V 34 347V 40 ¹ 240V 48 480V MT Multi-tap Multi-tap, factory wired MA 120V only MB 208V only MC 240V only MD 277V only VT ² Vari-tap 1 Isolated Secondary C/UL 2 For 120/277/347V	L Low Tilt, 0° to 18° H High Tilt, 27° to 45°	Medium Roadway DC ² Clear Drop Glass DR ² Prismatic Refractor Forward Throw FC ^{1,4} Clear Drop Glass FF ^{1,4} Flat Glass Narrow Roadway NC ³ Clear Drop Glass NF ¹ Flat Glass NR Prismatic Refractor Flood ND ² Narrow WD ² Wide Square Distribution SC ¹ Clear Drop Glass SF ^{1,4} Flat Glass for 175, 250 and 400W MH Wide Roadway WC Clear Drop Glass ³ WF ¹ Flat Glass WR Prismatic Refractor 1 Available with "L" tilt range only 2 Available with "H" tilt range only 3 "L" Comes with shallow glass optic 4 400MH must use compact lamp

FF | NF | SF | WF | Mongoose

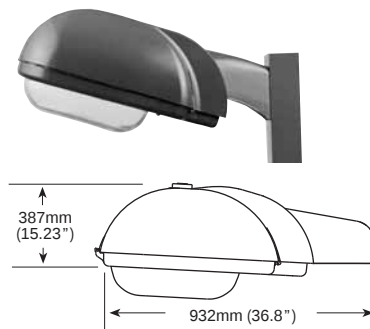
Flat Glass



Maximum Weight: 23 kg. (50 lbs).
Maximum EPA: 2.05

DC | FC | NC | SC | WC | Mongoose

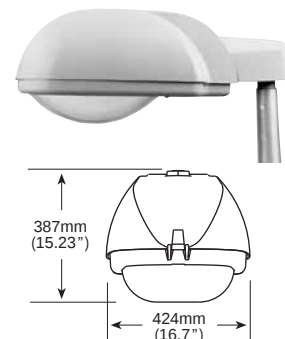
Drop Glass - Regular



Maximum Weight: 23 kg. (50 lbs).
Maximum EPA: 2.05

NC | Mongoose

Drop Glass - Shallow



Maximum Weight: 23 kg. (50 lbs).
Maximum EPA: 2.05

Mongoose®



Architectural Arm with 4 Units



Architectural Arm



Horizontal Arm

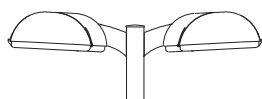


Vertical Tenon

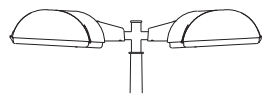
A 6

MOUNTING

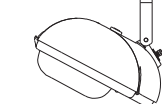
- A** Architectural Arm
- H** Horizontal Arm
- T** Yoke Mount
- V** Vertical Tenon



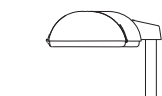
Architectural Arm (A)



Horizontal Arm (H)



Yoke Mount (T)



Vertical Tenon (V)

Z 7

FINISH

- K** Black
- Z** Bronze
- N** Green
- W** White
- G** Gray

B 8

OPTIONS

See below

F1 9

ACCESSORIES

See below

8 Options

- B¹** Terminal Block and NEMA Decal
- C²** NEMA Decal
- P** Protected Starter for HPS
- R** NEMA Twist-off Photocontrol Receptacle
- T³** Spade Termination for Ballast Leads
- 3⁴** 3" to 2" Tenon Adapter, Same Color as Fixture
- 6** 6' Pigtail

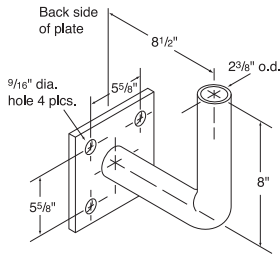
9 Accessories (Ships separately)

- F1** Single Fusing, 120, 240, 277 and 347V
- F2⁵** Double Fusing, 208, 240 and 480V
- Lamp** Appropriate Lamp Shipped
- BKT-5-G** Galvanized Wood Pole Bracket
- BR-1091-XX⁶** 3" to 2" Tenon Adapter Bracket, Insert Finish for "XX"

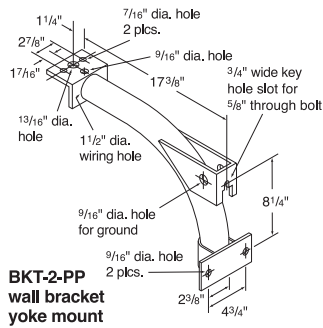
- 1 Not available with "C" option
- 2 Not available with "B" option
- 3 Available with "MT", "MA", "MB", "MC", "MD" and "VT" ballasts only
- 4 Available with "V" mounting only
- 5 Not available with "08" or "40"
- 6 Insert Finish – BK (Black), BZ (Bronze), GN (Green), (WH) White or (GR) Green for "XX"

Brackets and Mounting Hardware

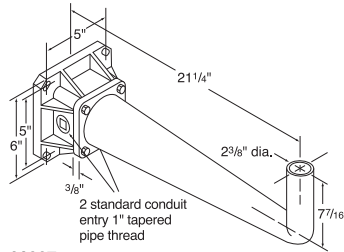
for use with Predator, Prismbeam II, or Vector Luminaires



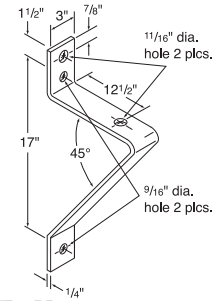
BKT-1-PP
wall bracket
2" slip fitter



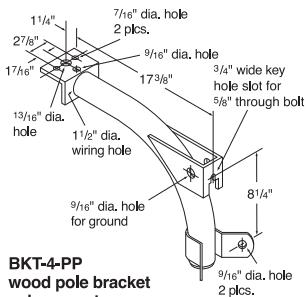
BKT-2-PP
wall bracket
yoke mount



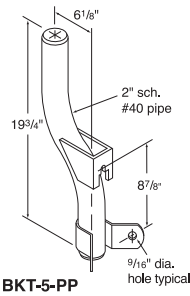
06387
wall bracket
2" slip fitter
cast aluminum
paint finish



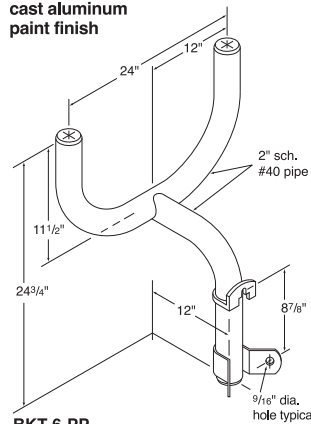
BKT-3-PP
wall or wood pole bracket
yoke mount



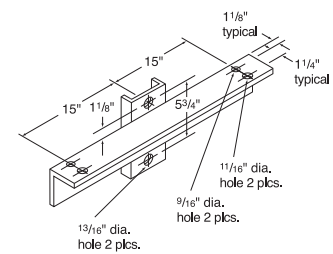
BKT-4-PP
wood pole bracket
yoke mount



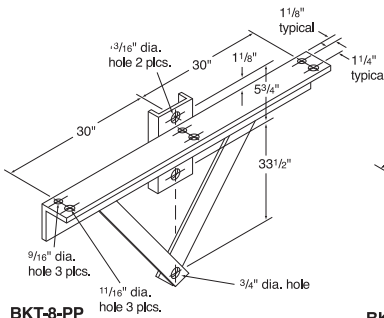
BKT-5-PP
wood pole bracket
2" slip fitter



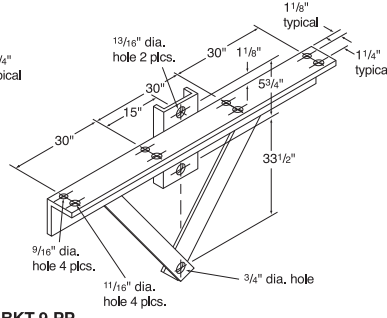
BKT-6-PP
wood pole bracket
2" slip fitter



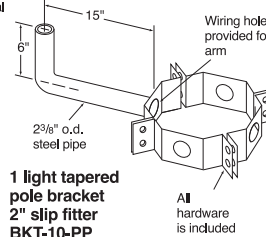
BKT-7-PP
2 light cross-arm



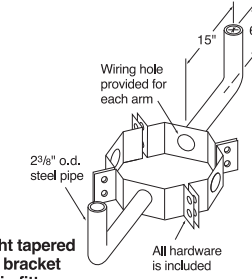
BKT-8-PP
3 light cross-arm
08647 required for
middle fixture



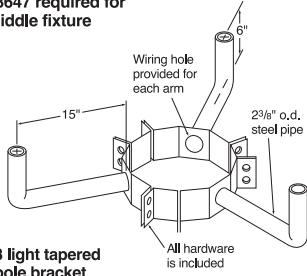
BKT-9-PP
4 light cross-arm



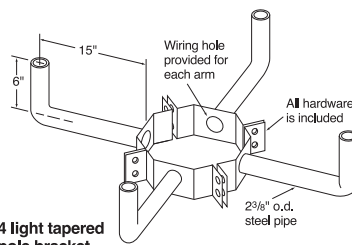
**1 light tapered
pole bracket
2" slip fitter
BKT-10-PP**
7"-10" pole diameter
BKT-11-PP
10"-13" pole diameter



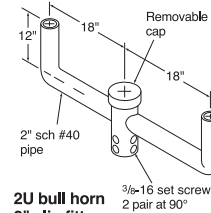
**2 light tapered
pole bracket
2" slip fitter
BKT-12-PP**
7"-10" pole diameter
BKT-13-PP
10"-13" pole diameter



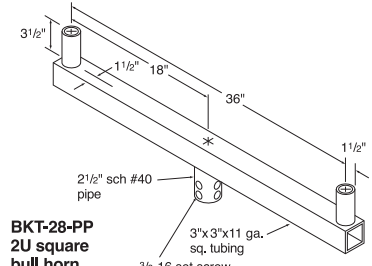
**3 light tapered
pole bracket
2" slip fitter
BKT-14-PP**
7"-10" pole diameter
BKT-15-PP
10"-13" pole diameter



**4 light tapered
pole bracket
2" slip fitter
BKT-16-PP**
7"-10" pole diameter
BKT-17-PP
10"-13" pole diameter

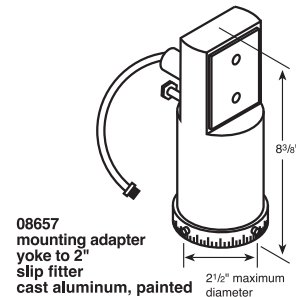
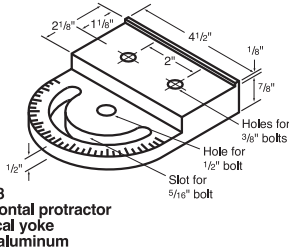
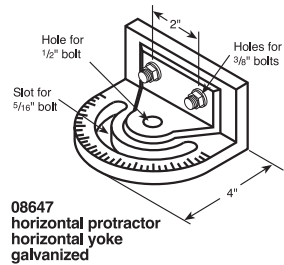
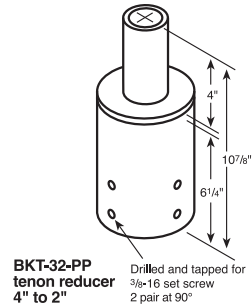
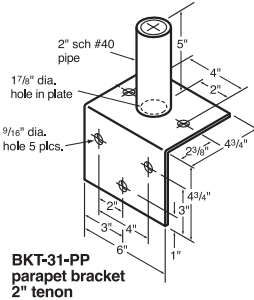
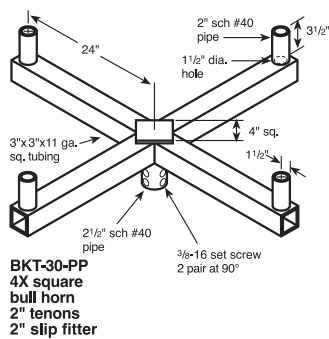


**2U bull horn
2" slip fitter
BKT-18-PP**
2 3/8" tenon
BKT-19-PP
4" tenon



BKT-28-PP
2U square
bull horn
2" slip fitter
2 3/8" tenon

Catalog Number Reference Guide



Catalog Number	Description	Net Wt kg (lbs)
BKT-1-XX ¹	Wall bracket, 2" slip fitter, painted	4.5 (10)
BKT-1-HG	Wall bracket, 2" slip fitter, galvanized	4.5 (10)
BKT-1-PP	Wall bracket, 2" slip fitter, prime painted	4.5 (10)
BKT-2-XX ¹	Wall bracket, yoke mount, painted	5 (11)
BKT-2-HG	Wall bracket, yoke mount, galvanized	5 (11)
BKT-2-PP	Wall bracket, yoke mount, prime painted	5 (11)
06387-XX ¹	Wall bracket, 2" slip fitter, cast aluminum	3.2 (7)
BKT-3-XX ¹	Wall or wood pole bracket, yoke mount, painted	4.1 (9)
BKT-3-HG	Wall or wood pole bracket, yoke mount, galvanized	4.1 (9)
BKT-3-PP	Wall or wood pole bracket, yoke mount, prime painted	4.1 (9)
BKT-4-XX ¹	Wood pole bracket, yoke mount, painted	5 (11)
BKT-4-HG	Wood pole bracket, yoke mount, galvanized	5 (11)
BKT-4-PP	Wood pole bracket, yoke mount, prime painted	5 (11)
BKT-5-XX ¹	Wood pole bracket, 1 light, 2" slip fitter, painted	6.4 (14)
BKT-5-HG	Wood pole bracket, 1 light, 2" slip fitter, galvanized	6.4 (14)
BKT-5-PP	Wood pole bracket, 1 light, 2" slip fitter, prime painted	6.4 (14)
BKT-6-XX ¹	Wood pole bracket, 2 light, 2" slip fitter, painted	8.6 (19)
BKT-6-HG	Wood pole bracket, 2 light, 2" slip fitter, galvanized	8.6 (19)
BKT-6-PP	Wood pole bracket, 2 light, 2" slip fitter, prime painted	8.6 (19)
BKT-7-XX ¹	Cross arm, 2 light, painted	9.1 (20)
BKT-7-HG	Cross arm, 2 light, galvanized	9.1 (20)
BKT-7-PP	Cross arm, 2 light, prime painted	9.1 (20)
BKT-8-XX ¹	Cross arm, 3 light, painted	23.1 (51)
BKT-8-HG	Cross arm, 3 light, galvanized	23.1 (51)
BKT-8-PP	Cross arm, 3 light, prime painted	23.1 (51)
BKT-9-XX ¹	Cross arm, 4 light, painted	29.5 (65)
BKT-9-HG	Cross arm, 4 light, galvanized	29.5 (65)
BKT-9-PP	Cross arm, 4 light, prime painted	29.5 (65)

¹ Substitute "GR" or "BZ" for "XX" in catalog number to indicate gray or bronze respectively

Brackets and Mounting Hardware

for use with Predator, Prismbeam II, or Vector Luminaires

Catalog Number	Description	Net Wt kg (lbs)
BKT-10-XX ¹	Tapered pole bracket, 7–10" diameter pole, 1 light, 2" tenon, painted	9.1 (20)
BKT-10-HG	Tapered pole bracket, 7–10" diameter pole, 1 light, 2" tenon, galvanized	9.1 (20)
BKT-10-PP	Tapered pole bracket, 7–10" diameter pole, 1 light, 2" tenon, prime painted	9.1 (20)
BKT-11-XX ¹	Tapered pole bracket, 10–13" diameter pole, 1 light, 2" tenon, painted	9.5 (21)
BKT-11-HG	Tapered pole bracket, 10–13" diameter pole, 1 light, 2" tenon, galvanized	9.5 (21)
BKT-11-PP	Tapered pole bracket, 10–13" diameter pole, 1 light, 2" tenon, prime painted	9.5 (21)
BKT-12-XX ¹	Tapered pole bracket, 7–10" diameter pole, 2 light, 2" tenon, painted	13.6 (30)
BKT-12-HG	Tapered pole bracket, 7–10" diameter pole, 2 light, 2" tenon, galvanized	13.6 (30)
BKT-12-PP	Tapered pole bracket, 7–10" diameter pole, 2 light, 2" tenon, prime painted	13.6 (30)
BKT-13-XX ¹	Tapered pole bracket, 10–13" diameter pole, 2 light, 2" tenon, painted	14 (31)
BKT-13-HG	Tapered pole bracket, 10–13" diameter pole, 2 light, 2" tenon, galvanized	14 (31)
BKT-13-PP	Tapered pole bracket, 10–13" diameter pole, 2 light, 2" tenon, prime painted	14 (31)
BKT-14-XX ¹	Tapered pole bracket, 7–10" diameter pole, 3 light, 2" tenon, painted	18.1 (40)
BKT-14-HG	Tapered pole bracket, 7–10" diameter pole, 3 light, 2" tenon, galvanized	18.1 (40)
BKT-14-PP	Tapered pole bracket, 7–10" diameter pole, 3 light, 2" tenon, prime painted	18.1 (40)
BKT-15-XX ¹	Tapered pole bracket, 10–13" diameter pole, 3 light, 2" tenon, painted	18.6 (41)
BKT-15-HG	Tapered pole bracket, 10–13" diameter pole, 3 light, 2" tenon, galvanized	18.6 (41)
BKT-15-PP	Tapered pole bracket, 10–13" diameter pole, 3 light, 2" tenon, prime painted	18.6 (41)
BKT-16-XX ¹	Tapered pole bracket, 7–10" diameter pole, 4 light, 2" tenon, painted	22.7 (50)
BKT-16-HG	Tapered pole bracket, 7–10" diameter pole, 4 light, 2" tenon, galvanized	22.7 (50)
BKT-16-PP	Tapered pole bracket, 7–10" diameter pole, 4 light, 2" tenon, prime painted	22.7 (50)
BKT-17-XX ¹	Tapered pole bracket, 10–13" diameter pole, 4 light, 2" tenon, painted	23.1 (51)
BKT-17-HG	Tapered pole bracket, 10–13" diameter pole, 4 light, 2" tenon, galvanized	23.1 (51)
BKT-17-PP	Tapered pole bracket, 10–13" diameter pole, 4 light, 2" tenon, prime painted	23.1 (51)
BKT-18-XX ¹	Bullhorn, 2U, 2" tenon, 2" slip fitter, painted	9.5 (21)
BKT-18-HG	Bullhorn, 2U, 2" tenon, 2" slip fitter, galvanized	9.5 (21)
BKT-18-PP	Bullhorn, 2U, 2" tenon, 2" slip fitter, prime painted	9.5 (21)
BKT-19-XX ¹	Bullhorn, 2U, 2" tenon, 4" slip fitter, painted	10.4 (23)
BKT-19-HG	Bullhorn, 2U, 2" tenon, 4" slip fitter, galvanized	10.4 (23)
BKT-19-PP	Bullhorn, 2U, 2" tenon, 4" slip fitter, prime painted	10.4 (23)
BKT-20-XX ¹	Bullhorn, 3U, 2" tenon, 2" slip fitter, painted	14.5 (32)
BKT-20-HG	Bullhorn, 3U, 2" tenon, 2" slip fitter, galvanized	14.5 (32)
BKT-20-PP	Bullhorn, 3U, 2" tenon, 2" slip fitter, prime painted	14.5 (32)
BKT-21-XX ¹	Bullhorn, 3U, 2" tenon, 4" slip fitter, painted	16 (35)
BKT-21-HG	Bullhorn, 3U, 2" tenon, 4" slip fitter, galvanized	16 (35)
BKT-21-PP	Bullhorn, 3U, 2" tenon, 4" slip fitter, prime painted	16 (35)
BKT-22-XX ¹	Bullhorn, 3Y, 2" tenon, 2" slip fitter, painted	15.4 (34)
BKT-22-HG	Bullhorn, 3Y, 2" tenon, 2" slip fitter, galvanized	15.4 (34)
BKT-22-PP	Bullhorn, 3Y, 2" tenon, 2" slip fitter, prime painted	15.4 (34)
BKT-23-XX ¹	Bullhorn, 3Y, 2" tenon, 4" slip fitter, painted	16.3 (36)
BKT-23-HG	Bullhorn, 3Y, 2" tenon, 4" slip fitter, galvanized	16.3 (36)
BKT-23-PP	Bullhorn, 3Y, 2" tenon, 4" slip fitter, prime painted	16.3 (36)
BKT-24-XX ¹	Bullhorn, 4U, 2" tenon, 2" slip fitter, painted	20 (44)
BKT-24-HG	Bullhorn, 4U, 2" tenon, 2" slip fitter, galvanized	20 (44)
BKT-24-PP	Bullhorn, 4U, 2" tenon, 2" slip fitter, prime painted	20 (44)
BKT-25-XX ¹	Bullhorn, 4U, 2" tenon, 4" slip fitter, painted	21 (46)
BKT-25-HG	Bullhorn, 4U, 2" tenon, 4" slip fitter, galvanized	21 (46)

1 Substitute "GR" or "BZ" for "XX" in catalog number to indicate gray or bronze respectively

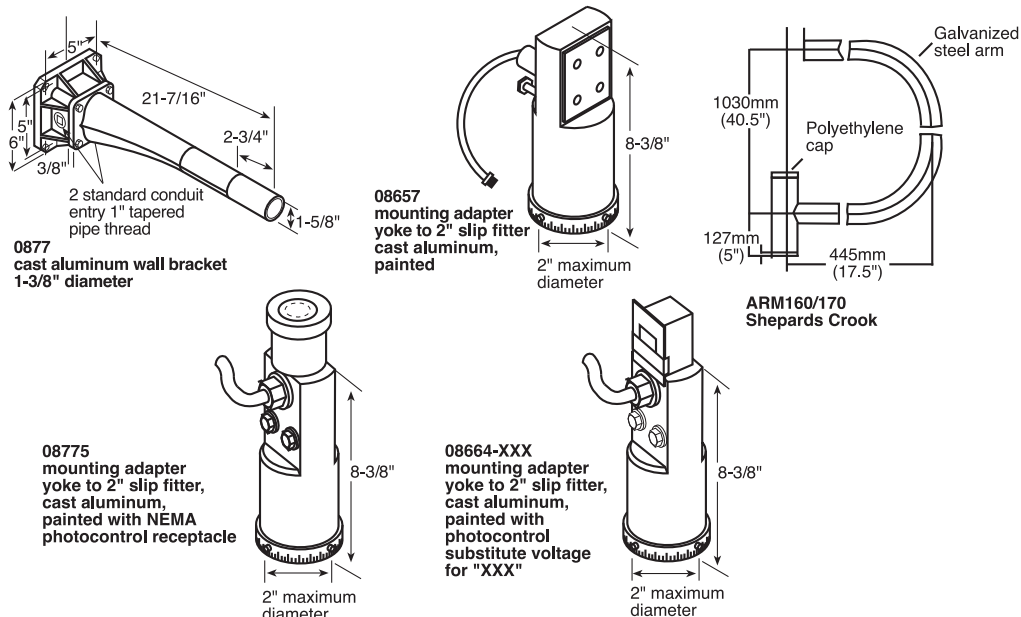
Catalog Number Reference Guide

Catalog Number	Description	Net Wt kg (lbs) each
BKT-25-PP	Bullhorn, 4U, 2" tenon, 4" slip fitter, prime painted	21 (46)
BKT-26-XX ¹	Bullhorn, 4X, 2" tenon, 2" slip fitter, painted	20 (44)
BKT-26-HG	Bullhorn, 4X, 2" tenon, 2" slip fitter, galvanized	20 (44)
BKT-26-PP	Bullhorn, 4X, 2" tenon, 2" slip fitter, prime painted	20 (44)
BKT-27-XX ¹	Bullhorn, 4X, 2" tenon, 4" slip fitter, painted	21 (46)
BKT-27-HG	Bullhorn, 4X, 2" tenon, 4" slip fitter, galvanized	21 (46)
BKT-27-PP	Bullhorn, 4X, 2" tenon, 4" slip fitter, prime painted	21 (46)
BKT-28-XX ¹	Square bullhorn, 2U, 2" tenon, 2" slip fitter, painted	9.1 (20)
BKT-28-HG	Square bullhorn, 2U, 2" tenon, 2" slip fitter, galvanized	9.1 (20)
BKT-28-PP	Square bullhorn, 2U, 2" tenon, 2" slip fitter, prime painted	9.1 (20)
BKT-29-XX ¹	Square bullhorn, 3Y, 2" tenon, 2" slip fitter, painted	17 (37)
BKT-29-HG	Square bullhorn, 3Y, 2" tenon, 2" slip fitter, galvanized	17 (37)
BKT-29-PP	Square bullhorn, 3Y, 2" tenon, 2" slip fitter, prime painted	17 (37)
BKT-30-XX ¹	Square bullhorn, 4X, 2" tenon, 2" slip fitter, painted	22.7 (50)
BKT-30-HG	Square bullhorn, 4X, 2" tenon, 2" slip fitter, galvanized	22.7 (50)
BKT-30-PP	Square bullhorn, 4X, 2" tenon, 2" slip fitter, prime painted	22.7 (50)
BKT-31-XX ¹	Parapet bracket, 2" tenon, painted	1.8 (4)
BKT-31-HG	Parapet bracket, 2" tenon, galvanized	1.8 (4)
BKT-31-PP	Parapet bracket, 2" tenon, prime painted	1.8 (4)

1 Substitute "GR" or "BZ" for "XX" in catalog number to indicate gray or bronze respectively

Brackets and Mounting Hardware

for use with Predator, Prismbeam II, or Vector Luminaires

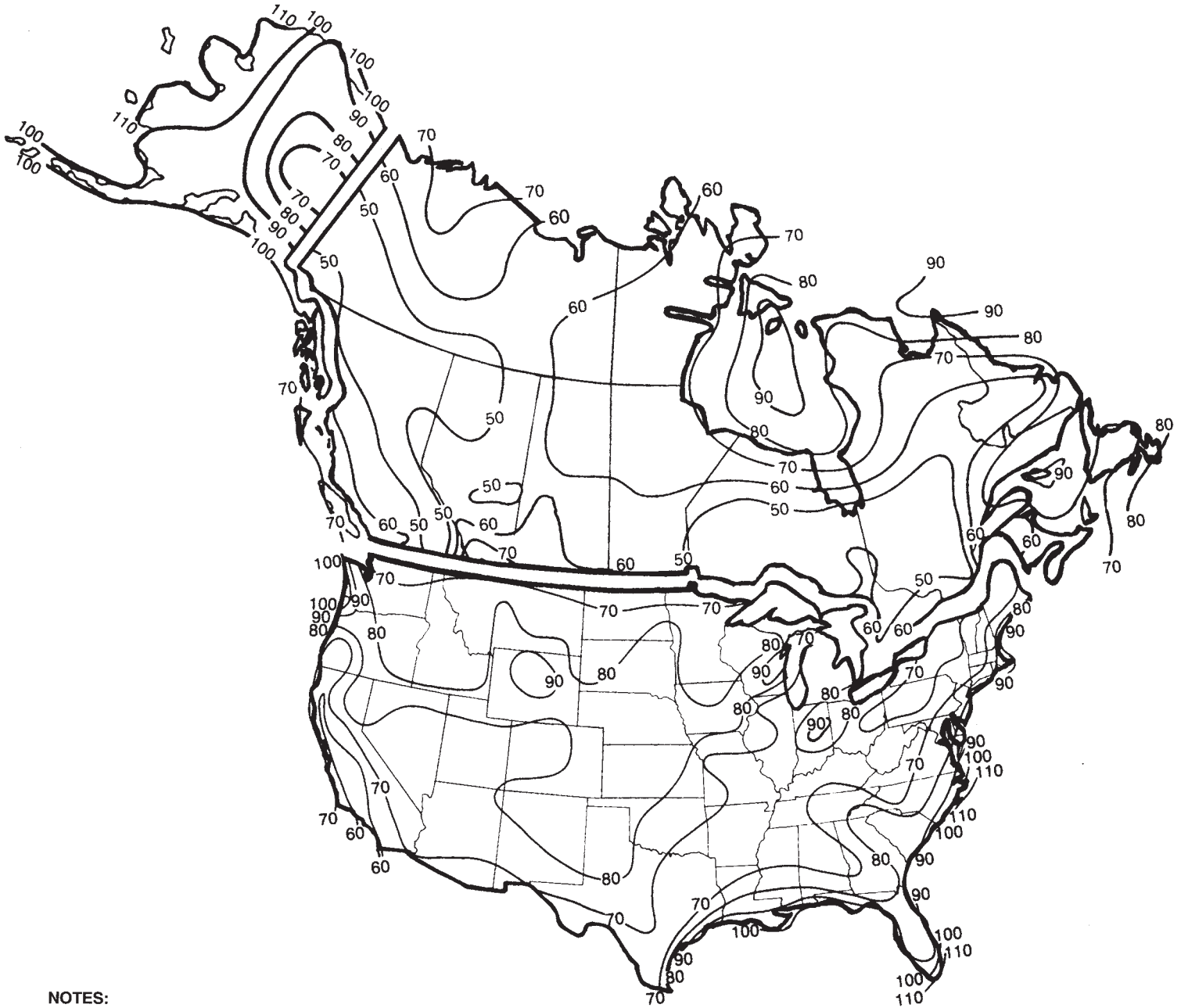


Catalog Number	Description	Net Wt kg (lbs)
08647	Horizontal protractor, horizontal yoke, galvanized steel	.5 (1)
08663-120-GR	Mounting adapter, yoke to 2" slip fitter with photocontrol cast aluminum, gray paint. (Available in 120V only)	.9 (2)
08663-120-BZ	Same as above with bronze paint	.9 (2)
08664-XXX-GR	Mounting adapter, yoke to 2" slip fitter with photocontrol cast aluminum, gray paint, replace "XXX" with voltage (208, 240, 277, 347V only)	.9 (2)
08664-XXX-BZ	Same as above with bronze paint	.9 (2)
08657-GR	Mounting adapter, yoke to 2" slip fitter, cast aluminum, gray paint	.5 (1)
08657-BZ	Mounting adapter, yoke to 2" slip fitter, cast aluminum, bronze paint	.5 (1)
0877	Cast aluminum wall bracket, 1.675" diameter	2.7 (6)
08775-GR	Mounting adapter, yoke to 2" slip fitter with NEMA photocontrol receptacle, cast aluminum, gray paint	.9 (2)
08775-BZ	Same as above with bronze paint	.9 (2)
09128	Horizontal protractor, vertical yoke, cast aluminum	.5 (1)
ARM-160	Shepherds Crook galvanized arm for 2" tenon	14.5 (32)
ARM-170	Shepherds Crook galvanized arm for 4" tenon	16 (35)
BKT-32-XX ¹	Tenon reducer, 4" to 2", painted	3.6 (8)
BKT-32-HG	Tenon reducer, 4" to 2", galvanized	3.6 (8)
BKT-32-PP	Tenon reducer, 4" to 2", prime painted	3.6 (8)
BKT-33-HG	Square bullhorn 3U, 2" tenon, 2" slip fitter, galvanized	14.5 (32)
BKT-33-XX	Square bullhorn 3U, 2" tenon, 2" slip fitter, painted	14.5 (32)
BKT-33-PP	Square bullhorn 3U, 2" tenon, 2" slip fitter, prime painted	14.5 (32)
BKT-34-HG	Square bullhorn 4U, 2" tenon, 2" slip fitter, galvanized	21.3 (47)
BKT-34-XX	Square bullhorn 4U, 2" tenon, 2" slip fitter, painted	21.3 (47)
BKT-34-PP	Square bullhorn 4U, 2" tenon, 2" slip fitter, prime painted	21.3 (47)

¹ Substitute "GR" or "BZ" for "XX" in catalog number to indicate gray or bronze respectively.

Wind Velocity Isotach Chart

Isotach 0.02 quantities, in miles per hour; annual extreme-mile 30 feet above ground, 50-year mean recurrence interval.



NOTES:

1. Values are based on annual extreme-mile 30 feet above ground. And 50 year mean recurrence interval for United States.
2. Canada based on peak mean hourly wind speeds for a 30 year return period, 30 feet above ground.
3. Caution is advised in using wind velocity contours in special wind areas such as mountainous areas and areas around the Great Lakes.
4. Hawaii has an 80 mph wind velocity.
5. This map is intended as a general guide. Check your local area for unique wind conditions.

The Predator floodlight offers versatility, efficiency, and performance, which provide a unique solution to a variety of lighting needs. The luminaire is designed with a highly performing optical system capable of generating a narrow, wide, or spot distribution. The luminaire is designed to handle harsh environments and can be mounted in a range of applications in either a yoke, box, or knuckle configuration.

FEATURES:

- Corrosion resistant die-cast aluminum housings of copper free alloy 360.1
- Exposed hardware of 316 stainless steel
- UL/CUL 1598, UL-844 (Harsh Environment), UL-1598 (Marine), 40°C UL listing
- Unitized electrical assembly with quick disconnect
- Mounting versatility with yoke, knuckle, and junction box options
- Narrow, Wide, and Spot lighting distributions

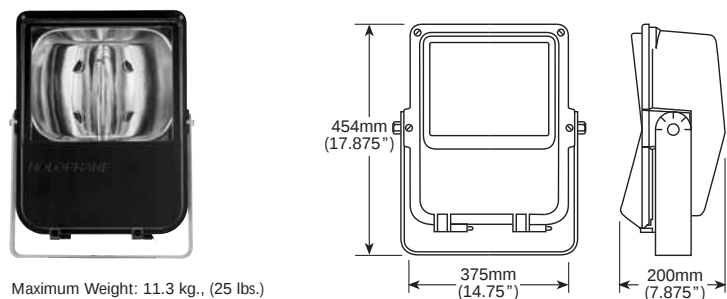
Example: PD 100HP 12 J N 2 G A F1



How to Construct a Catalog Number

PD	100HP	12	J	N
1	2	3	4	5
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	UL LISTING	OPTICAL
PD Small Predator PF Medium Predator	<u>Mogul Base</u> PD 050HP¹ 50W HPS 070HP 70W HPS 100HP 100W HPS 15AHP 150W HPS, 55V 175MH 175W MH PF 250HP 250W HPS 25LHP² 250W HPS 400HP 400W HPS 40LHP² 400W HPS 250MH 250W MH 25LMH² 250W MH 40LMH² 400W MH Metal Halide, Pulse Start 250PM 250W MH 25LPM² 250W MH 400PM 400W MH 40LPM² 400W MH ¹ 120V only ² Energy saving ballast	12 120V 20 208V 24 240V 27 277V 34 347V 48 480V MT¹ Multi-voltage VT² Vari-tap 08³ 208V 40³ 240V ¹ 120, 208, 240 or 277V ² 120, 277 or 347V for "PF"; only available with 250HP, 250MH and 40LMH ³ Isolated secondary, CUL listed	PD H Class I, Marine Outside J Class I, Div 2; Class II, Div I; Class III, Div I and Marine Outside K 40°C Wet location L Marine Outside PF B Class I and Marine Outside K Wet location L Marine Outside	N Narrow Vertical, Wide Horizontal Beam W Wide Vertical, Wide Horizontal Beam S Spot Distribution

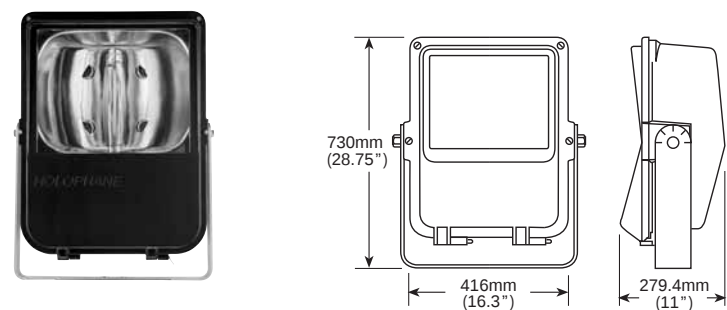
PD | Predator - Small



Maximum Weight: 11.3 kg., (25 lbs.)

	Effective Projected Area (In ft ²)	
Tilt above Nadir	Small Predator EPA	Medium Predator EPA
15°	1.14	1.86
45°	1.66	2.66
90°	1.93	2.87
135°	1.70	2.45
180°	1.14	1.61

PF | Predator - Medium



Maximum Weight: 20.9 kg., (46 lbs.)



HOLOPHANE®

**INFRASTRUCTURE
FLOODLIGHTING**

Predator®



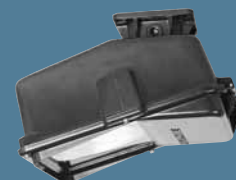
Yoke Mount



Knuckle Fitter



Tenon Pole
Adapter



Box Mount

2

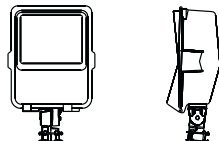
6

MOUNTING

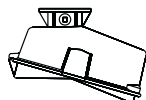
- 1¹ 2" Knuckle Fitter
- 2² Box Mount
- 3 Stainless Steel Yoke
- 4¹ Zinc Plated Yoke

1 Available with UL "K" only
2 "K" and "L" only

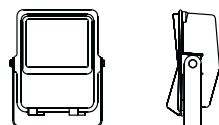
Knuckle Fitter



Box



Yoke



G

7

COLOR

- G Gray
- B Bronze
- K¹ Black for "PF"
- W¹ White for "PF"

1 Available with UL "K" only

A

8

OPTIONS

See below

F1

9

ACCESSORIES

See below

8 Options

- A Gray Top Visor
- C Bronze Top Visor
- D¹ Gray Side Shields
- E¹ Bronze Side Shields
- F Black Top Visor
- H White Visor
- J White Side Shields
- L Black Side Shields
- PS Protected Starter for HPS
- TB Terminal Block
- PCD-6 6' of Supply Cord
- PNEMAX² NEMA Label

9 Accessories (Ships separately)

- F1³ Single Fuse Assembly for 120, 240, 277 or 347V, Available UL "K" only
- F2² Double Fuse Assembly for 208, 240 or 480V, Available UL "K" only
- LAMP Lamp
- PDWG Wire Guard for "PD" Unit
- PFWG⁴ Wire Guard for "PF" Unit
- PDPR Photocontrol Kit for 208, 240, 277V
- PDPR12 Photocontrol Kit for 120V
- PDPR34 Photocontrol Kit for 347V
- 08657-XX⁵ 2" Tenon Pole Adapter for use with Yoke Mount

- 1 Available with UL "K" only
- 2 Insert lamp catalog number for "X"
- 3 Contact TSG for "MT"
- 4 NA with visor options
- 5 Insert color catalog number for "XX"

HOLOPHANE®

FLOODLIGHTING

Prismbeam® II

PB2

The Prismbeam II is a versatile luminaire that provides quality floodlighting for a variety of applications. These luminaires are excellent for both recreational and competitive sports facilities where high levels of illumination and exceptional uniformity are required.

The Prismbeam II luminaires are also used to illuminate sea ports, Industrial areas, and intermodal centers. These luminaires may be used with the Holophane lowering device or sports cages.

FEATURES:

- Prismatic lens and clear lens option
- Tool-less entry via stainless steel latches for re-lamping
- Heavy duty die cast aluminum housings
- Weatherproof seal with hollow core silicon door gasket
- Compatible with Holophane lowering devices and sports cages
- Multiple NEMA lighting distributions
- Memory lock protractor for pre-aiming of luminaire



Example: PB2 400HP 12 22W H PS100

How to Construct a Catalog Number

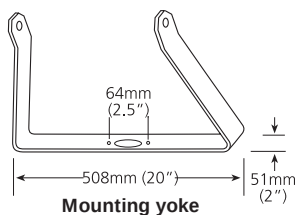
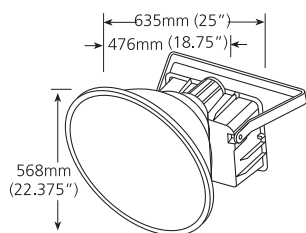
PB2	400HP	12	22W
1	2	3	4
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	BEAM SPREAD
PB2 Prismbeam II	400HP 400W HPS 750HP 750W HPS C10HP 1000W HPS C10MH¹ 1000W MH C15MH¹ 1500W MH C16MH² 1650W MH 1 Socket suitable for Sport 60 lamps 2 Venture Socket Sport 60 Lamp	08¹ 208V 12 120V 20 208V 24 240V 27 277V 34 347V 40¹ 240V 48 480V MT Multi-voltage 1 Isolated Secondary C/UL	Select 3 character catalog number for desired lamp Lamp Cat. No. NEMA Spread (H x V) 400W HPS 22W 2 x 2 33N 3 x 3 44N 4 x 4 53W 5 x 3 64N 6 x 4 65W 6 x 5 750W HPS 33N 3 x 3 44W 4 x 4 64N 6 x 4 65W 6 x 5 1000W HPS 33W 3 x 3 44N 4 x 4 55W 5 x 5 65W 6 x 5 75N 7 x 5 1000W MH 33N 3 x 3 44N 4 x 4 44W 4 x 4 64N 6 x 4 65N 6 x 5 65W 6 x 5 1500MH 33N 3 x 3 33W 3 x 3 44W 4 x 4 64N 6 x 4 64W 6 x 4 65W 6 x 5 1650MH 33N 3 x 3 33W 3 x 3 44W 4 x 4 64N 6 x 4 64W 6 x 4 65W 6 x 5

PB2 | Prismbeam II



Maximum Weight: 32.2 kg., (71 lbs.)
Maximum EPA: 3.60

Source and Wattage	Weight kg(lbs.)
400HP	31.30 (58)
750HP	28.12 (62)
C10HP	31.75 (63)
C125MH	25 (56)
C15MH	26.7 (59)
C16MH	27.2 (60)





HOLOPHANE®

**INFRASTRUCTURE
FLOODLIGHTING**

Prismbeam® II

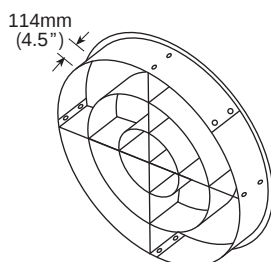


H

5

OPTIONS

- H** Heavy Duty Cover
L Louver for "22W", "33W", "33N", "44N", and "55W" Beam Spreads only
PS Protected Starter for "400HP" and "C10HP" only



L-Circular louver

PS 100

6

ACCESSORIES (SHIPS SEPARATELY)

- Lamp** Appropriate Lamp
F1 Single Fuse Assembly for 120, 240, 277 and 347 Volt Units
F2³ Double Fuse 208, 240, and 480 Volt Units. Various Mounting Accessories are Available.
PS-100 Replacement Protected Starter (400HP only)
PS-1000 Replacement Protected Starter (1000HP only)
06387¹ Single Wall Bracket
08647 Protractor
08657-GR Mounting Adaptor for 2" Pipe
08663-120-GR² Mounting Adaptor for 2" Pipe, 120V
08664-208-GR² Mounting Adaptor for 2" Pipe, 208V
08664-240-GR² Mounting Adaptor for 2" Pipe, 240V
08664-277-GR² Mounting Adaptor for 2" Pipe, 277V
08775-GR² Mounting Adaptor for 2" Pipe
09128 Horizontal Protractor for Vertical Yoke

- ¹ Requires use of 08657-GR, 08663-120-GR, 08664-208-GR, 08664-240-GR or 08664-277-GR. Order as separate accessory.
² Not available C16MH. Not available standard for cage mounting. Photocontrol voltage must match unit voltage.
³ See price schedule or Holophane publication HL-954, "Floodlight Mounting Accessories" for complete details and ordering data.

HOLOPHANE®

SIGN LIGHTING

Panel-Vue® & Sign-Vue® II

PANL | SNVW

The Panel-Vue/Sign-Vue products are designed to illuminate highway signs, corporate logo signs, and building facades. The prismatic refractor evenly distributes lighting on the sign face with maximum efficiency for high message visibility and readability. Hot spots and dark spots are eliminated when Panel-Vue and Sign-Vue II luminaires are used due to the highly efficient optical assembly that provides uniform illumination over the entire sign face.

FEATURES:

- Prismatic glass refractors
- Optics tailored to sign profile
- Integral ballast
- Mounting choice of refractor up or refractor down
- Heavy duty die cast aluminum housings
- UL listed for "Wet Locations" at 40° C

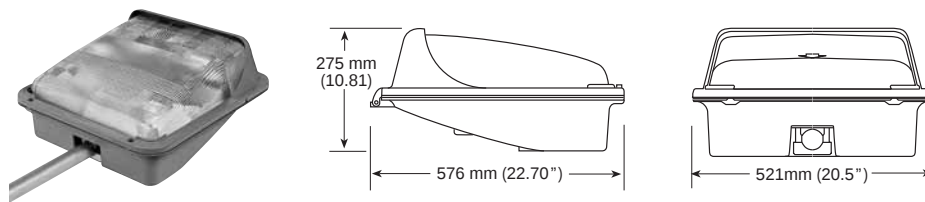
Example: PANL 100HP 12 D G QL 3BOLT



How to Construct a Catalog Number

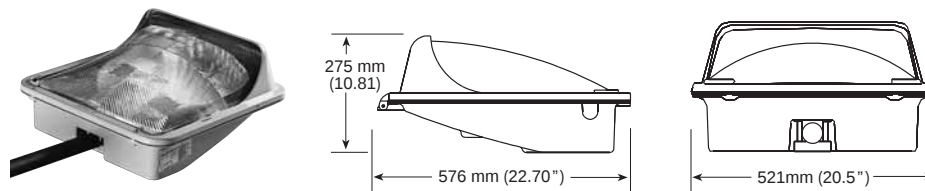
PANL	100HP	12	D
1	2	3	4
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	MOUNTING
PANL Panel-Vue SNVW Sign-Vue II	High Pressure Sodium Mogul Base 100HP 100W HPS 15AHP 150W HPS, 55V 250HP 250W HPS 400HP 400W HPS Metal Halide Mogul Base 175MH 175W MH 250MH 250W MH 400MH 400W MH Mogul Base, Pulse Start 320PM 320W MH 350PM 350W MH 400PM 400W MH	12 120V 20 208V 24 240V 27 277V 34 347V 48 480V MT ¹ Multi-voltage VT ² Vari-tap DT ^{1,3} Dual-tap 120/240V NB Non-ballasted 1 120, 208, 240 or 277V; not available with "SL" or "SW" 2 120, 277 or 347V; only available with 250HP, 400HP, 250MH and 400MH 3 Only available with 250 MH and 400 MH	D Standard Mounting with Refractor Up T ¹ Top Mounting with Refractor Down S ² Side Mounting with Refractor Up 1 Not available with "SNVW" 2 Mounting bracket is required. Pipe/tube assembly not included

PANL | Panel-Vue



Maximum Weight: 27 kg., (60 lbs.)
Maximum EPA: 4.2

SNVW | Sign-Vue II

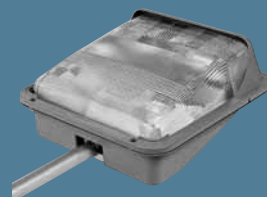


Maximum Weight: 27 kg., (60 lbs.)
Maximum EPA: 4.2



INFRASTRUCTURE SIGN LIGHTING

Panel-Vue® Sign-Vue® II



Panel-Vue



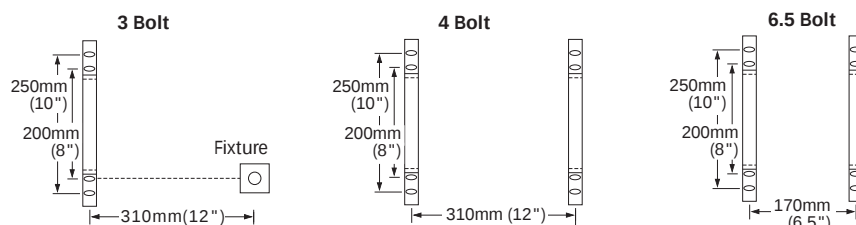
Sign-Vue II

G		QL	3BOLT
5		6	7
COLOR		OPTIONS	ACCESSORIES
G	Gray	L Latch Closure	See below
B	Brown	QL ¹ Quick Disconnect with Latch Closure	
		QD ¹ Quick Disconnect	
		SL On/Off Power Switch with Latch Assembly for use with 120V, 240V and "DT" only	
		SW On/Off Power Switch for use with 120, 240V and "DT" only	
		1. NA with "SW" or "SL"	

7 Accessories (Ships separately)

F1	Single Fuse Assembly for 120, 240, 277 and 347V
F2	Double Fuse Assembly for 208, 240 and 480V
3BOLT	Bracket for 3 Bolt Mounting
4BOLT	Bracket for 4 Bolt Mounting
BOLT6.5	Bracket for 6.5" Mounting
WG-213	Wire Guard
DOORPROP ¹	Doorprop for Positive Door and Refractor Support
Lamp	Appropriate Lamp Shipped
09181 ¹	"T" Mounting Accessory. Conversion Kit To Mount Refractor Down

1 When mounted in standard, refractor up position



Mounting bolt patterns

HOLOPHANE®

WALL

Module 600®

MW

The Module 600 luminaire is an architectural wall or pole mounted luminaire used for illuminating building perimeter, parking areas, underpasses, loading docks and tunnels. The borosilicate glass refractor provides precise light control through a main beam panel for near cutoff performance, minimizes glare and resists thermal shock from rain and snow. The efficient low glare refractor makes the Module 600 an ideal candidate for crossbeam tunnel lighting applications.

FEATURES:

- Prismatic glass refractor for high efficiency and low glare
- Die-cast aluminum housings
- UL listed for "Wet Locations" at 40° C
- Flexible mounting options for wall or pole applications
- Thru-wiring capability for ease of installation

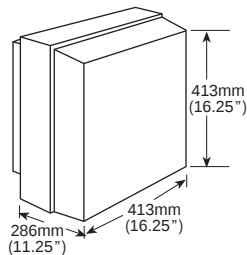
Example: MW 100HP 12 G PS Lamp



How to Construct a Catalog Number

MW	100HP	12	G
1	2	3	4
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	COLOR
MW Module 600	High Pressure Sodium Mogul Base 100HP 100W HPS 15AHP 150W HPS, 55V 200HP 200W HPS 250HP 250W HPS 400HP 400W HPS Metal Halide Mogul Base 175MH 175W MH 250MH 250W MH 400MH 400W MH 250PM 250W MH, Pulse 320PM 320W MH, Pulse 400PM 400W MH, Pulse	08 ¹ 208V 12 120V 20 208V 24 240V 27 277V 34 347V 40 ¹ 240V 48 480V MT ² Multi-voltage VT ³ Vari-tap 1 Isolated Secondary C/UL 2 120, 208, 240 or 277V 3 120, 277 or 347V; only available with 250HP, 400HP, 250MH and 400MH	G Gray Z Bronze K Black W White

MW | Module 600



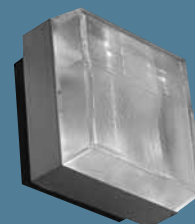
Maximum Weight: 29 kg. (65 lbs.)
Maximum EPA: 2.08



INFRASTRUCTURE

WALL

Module 600®



PS

5

OPTIONS

F1	Single Fuse Assembly for 120, 240, 277 and 347V
F2	Double Fuse Assembly for 208, 240 and 480V
PS	Protected Starter for HPS
AD¹	Conduit Adapter
QD²	Quick Disconnect
PR³	Photocontrol for 120-347V

1 Not available with "QD"

2 Not available WITH "AD"

3 Not available with "MT" or "VT"

Lamp

6

ACCESSORIES (SHIPS SEPARATELY)

Lamp	Appropriate Lamp Shipped
MWPA	Polycarbonate Vandal Shield
MWSB	Suspension Bracket for Mounting Unit Vertically from a Horizontal Surface
MWSD	Internal Light Shield

The Parkpak luminaire is a versatile product that can be applied for either ceiling, wall, pole or pendant mount arrangements. Parkpak luminaires are designed to provide superior performance and long life. The square and asymmetric distributions provide high illuminance on drive areas and vertical surfaces, while providing superior visibility and uniform lighting levels. Typical applications include parking garages, canopy, and building perimeter lighting.

FEATURES:

- Compact modular design
- Square and asymmetric lighting distributions
- Refractors are manufactured of UV stabilized polycarbonate for impact resistance and minimum maintenance
- Mounting versatility – pendant, ceiling, wall, pole
- Quick install box for ease of installation and maintenance

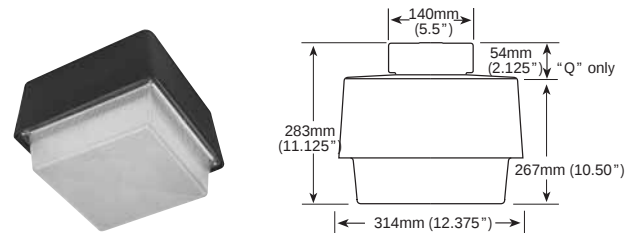
Example: PK 100HP 12 C G A TP PARKSD



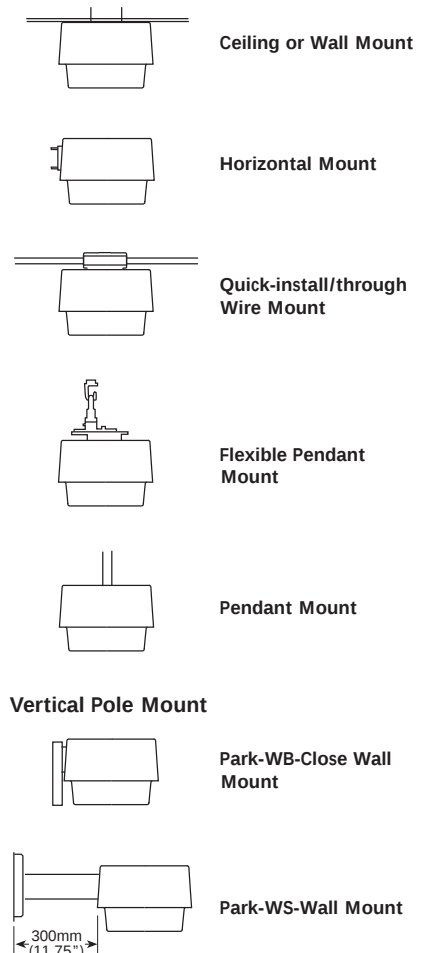
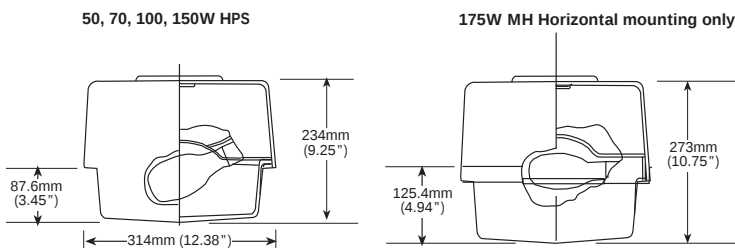
How to Construct a Catalog Number

PK	100HP	12	C
1	2	3	4
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	MOUNTING
PK Parkpak	High Pressure Sodium Mogul Base 050HP ¹ 50W HPS 070HP 70W HPS 100HP 100W HPS 15AHP 150W HPS, 55V Metal Halide Medium Base 70DMH 70W MH 10DMH 100W MH 15DMH ² 150W MH 175MH 175W MH Fluorescent 26QFL ³ 26W (2) Quad Fluorescent	08 ¹ 208V 12 120V 20 208V 24 240V 27 277V 34 347V 40 ¹ 240V 48 480V MT ² Multi-voltage 1 Isolated Secondary C/UL 2 120, 208, 240 or 277V	C Ceiling or Wall Mount to Outlet Box H ¹ Horizontal Mount Q Quick install and Thru Wiring F Flexible Pendant P Pendant V ² Vertical Pole Mount 1 Required for accessory mountings such as wall brackets 2 Not available with "MH" or "V"

PK | Parkpak



Maximum Weight: 10.4 kg. (23 lbs.)
Maximum EPA: 1.36

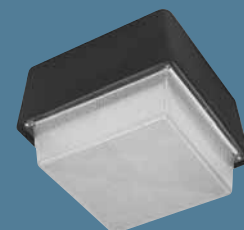




INFRASTRUCTURE

WALL

Parkpak®



G

5

COLOR

G	Gray
Z	Bronze
K	Black
W	White

A

6

DISTRIBUTION

A	Asymmetric
S	Square

TP

7

OPTIONS

See below

PARKSD

8

ACCESSORIES

See below

7 Options

EM ¹	Standby Light Fixture with 100W Maximum Tungsten Halogen Lamp.
F1 ²	Single Fusing for 120, 240, 277 and 347V
F2 ²	Double Fusing for 208 and 240V
PR	Photocontrol for 120, 208, 240, 277 and 347V
PS	Protected Starter for HPS
TP	Tamper Resistant Screws

8 Accessories (Ships separately)

Lamp	Appropriate Lamp Shipped
PARKSDXX ³	External Shield
TPD1 ¹	Driver for Tamper Resistant Screws
PARKWBXX ³	Wall Bracket for Horizontal Mount. (Not UL Listed)
PARKWSXX ³	Wall Bracket with 300mm (11.75") Arm for Horizontal Mount
PARKBA4XX ⁴	Bracket Arm for Mounting on 102mm (4") Square Pole for "H" Units only

- 1 Not available with 347V, 70DMH, 10DMH and 15DMH lamp
- 2 For "MT" Contact TSG
- 3 Insert color for "XX" in catalog number
- 4 Requires "H" mounting

WALL Wallpack® IV W4

The Wallpack IV luminaire provides excellent perimeter and security lighting with a highly engineered optical system combining a hydroformed reflector with a borosilicate glass prismatic refractor that produces wide spacing, excellent uniformity, and glare control.

Applications include perimeter lighting and security lighting for industrial and commercial buildings, schools, garages, underpasses, and tunnels.

FEATURES:

- Borosilicate prismatic glass refractor that never yellows
- Die-cast aluminum housings for corrosion resistance
- Stainless steel hardware
- UL "Wet Location"
- Cut-off and specialized underpass optics

Example: W4 100HP 12 S Z G PS-55



How to Construct a Catalog Number

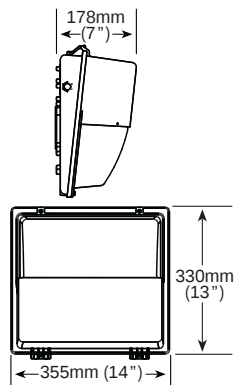
W4	070HP	12	S	Z
1	2	3	4	4
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	OPTICS	COLOR
W4 Wallpack IV	High Pressure Sodium Mogul Base 050HP 50W HPS 070HP 70W HPS 100HP 100W HPS 15AHP 150W HPS 250HP 250W HPS 400HP 400W HPS Metal Halide Medium Base 70DMH ¹ 70W MH 10DMH ² 100W MH 15DMH 150W MH Mogul Base 175MH 175W MH 250MH 250W MH 400MH ³ 400W MH, Compact 250PM 250W MH, Pulse 320PM 320W MH, Pulse Incandescent 30DIN ⁴ 300W INC. Compact Fluorescent 42 CFL ⁵ 42W CFL	08 ¹ 208V 40 ¹ 240V 12 120V 20 208V 24 240V 27 277V 48 480V Multi-voltage MA Prewired for 120V MB Prewired for 208V MC Prewired for 240V MD Prewired for 277V VT ² Vari-tap	C ¹ Cut-off Optics S Standard Optics U Underpass Optics 1 Available with MH only	G Gray K Black W White Z Bronze

- 1 Not available with 480V or VT
 2 Not available with VT
 3 Compact lamp must be used
 4 Available with 120V only. Not available with "C"
 5 Available with 120-277V only

W4 | Wallpack IV



Maximum Weight: 11 kg., 25 lbs
 Maximum EPA: 1.28





INFRASTRUCTURE
WALL

Wallpack® IV



G

5

OPTIONS (FACTORY INSTALLED)

B	Photocontrol
C	NEMAL decal
D ¹	Polycarbonate Shield
F1 ²	Single Fuse Assembly
F2 ^{2,3}	Double Fuse Assembly
G ⁴	Wire Guard
P ^{3,5}	Protected Starter
T	Tamper-resistant Screws

- 1 Not available with "G" option
2 Not available with "30DIN" or "VT"
3 Not available with "08" or "40" voltage
4 Not available with "D" option
5 For HPS units only

PS-55

6

ACCESSORIES (SHIPS SEPARATELY)

Lamp	Appropriate HID Lamp Supplied
PS-55	Replacement Protected Starter for wattage 150 or less
PS-100	Replacement Protected Starter for wattage 250 or more
W4TPD	Driver for Tamper Resistant Screws

SPECIALTY

Outdoor Substation®

SU

FEATURES:

- Borosilicate prismatic glass refractor that never yellows
- Die-cast aluminum housing
- Stainless steel hardware
- Full line of options and accessories

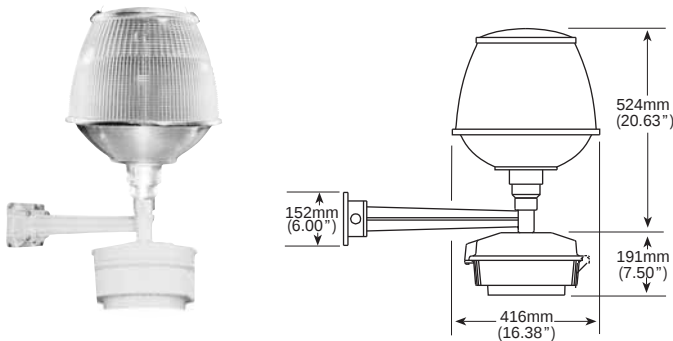
Example: SU1A 070HP 12 TL PR F1



How to Construct a Catalog Number

SU1A	070HP	12	TL
1	2	3	4
LUMINAIRE	SOURCE AND WATTAGE	VOLTAGE	OPTICS
SU1A Substation (70-175W) SU2A Substation (250-400W) SU2B ¹ Substation ¹ Optics only without bracket assembly. Non-ballasted for 300, 500INC and 400MH (MV)	High Pressure Sodium 070HP ¹ 70W HPS 100HP ¹ 100W HPS 15AHP ¹ 150W/55V HPS 250HP ² 250W HPS 400HP ² 400W HPS Metal Halide 175MH ¹ 175W MH 250MH ² 250W MH 400MH ² 400W MH ¹ SU1A size ² SU2A size	12 120V 20 208V 24 240V 27 277V 34 347V 48 480V 08 ¹ 208V 40 ¹ 240V NB ² Non-ballasted ¹ Isolated secondary, CUL listed ² Optics and bracket assembly	TL Top lens

SU1A | Substation

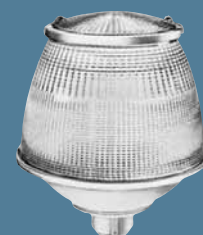


SU1
Maximum Weight: 504 kg., (50 lbs.)
SU2
Maximum Weight: 604 kg., (60 lbs.)



INFRASTRUCTURE SPECIALTY

Outdoor Substation®



PR 5

OPTIONS

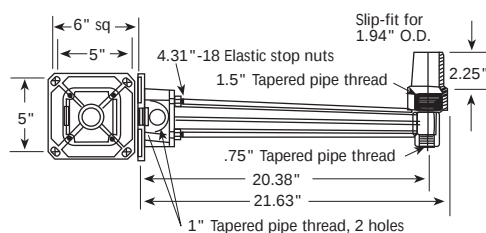
PR Photocontrol (Not Available with SU2B or 480V,
Use as Suffix on Third Component of Catalog)

F1 6

ACCESSORIES (*SHIPS SEPARATELY*)

LAMP Appropriate Lamp Shipped
F1 Single Fusing Kit for 120-277V
F2 Double Fusing Kit for 208-480V
SD-59 90° Shield
SD-60 120° Shield
SD-51 180° Shield
07233 Bracket (included with all except SU2BNB)
0871-CA Corner Adaptor Bracket

07233



Example: see page 215

Pole Selection Procedure

FIRST: Determine the luminaire of choice. Go to the pole mounting selection guide for the luminaire selected. (Pages 224-239). Select the quantity mounting configuration required per pole. The chart will provide you with the Effective Projected Area, EPA (ft²), and weight on the configuration chosen. Determine the pole top style (tenon) or pole top drill pattern (non-tenon) from the chart. Determine from the Pole Mounting Selection Guide if 0" vertical offset of EPA or 30" vertical offset of EPA is required for pole selection. (See footnote under luminaire chart)

SECOND: Select the material (steel or aluminum) and shape (round or square) of the pole along with design criteria required (Non-AASHTO or AASHTO). Refer to the "Technical Information" on the appropriate pole page. (Pages 216-223)

Find the desired nominal mounting height in the third column.

Verify that the fixture weight does not exceed the maximum weight listed for wind speed required.

Compare your total EPA (ft²) loading with the maximum EPA (ft²) value found in the wind speed column for your application. Check that the luminaire package EPA does not exceed maximum EPA allowed for the pole.

If both the weight and EPA values do not exceed for which the pole is rated, you have selected the correct pole. If, however, either one of those numbers exceeds the maximum rated values, compare the EPA and fixture weight loads to the next larger pole of the same mounting height.

THIRD: Select the anchor bolt and template required for the chosen pole by using the reference item number and referring to the Anchor Bolt/Bolt Circle Table from the Pole Ordering Data. (Pages 214-220)

Ordering Information Sequence		
1.	Base Pole	(Pole Specification Sheet)
2.	Pole Top Style	(Pole Mounting Selection Guide)
3.	Pole Top Drill Pattern	(Pole Mounting Selection Guide)
4.	Finish	(Pole Specification Sheet)
5.	Options if Required	(Pole Specification sheet)
6.	Anchor Bolt	(Pole Specification Sheet)
7.	Template	(Pole Specification sheet)
8.	Luminaire Arm if Required	(Pole Mounting Selection Guide)
9.	Tenon Adaptor if Required	(Pole Mounting Selection Guide)
10.	Luminaire	(Luminaire section)

Pole Selection Guide

For Example:

Luminaire:	SMST400HPMTBZPM	(page 172)
Pole:	25 foot RTA	(page 216)
Wind Speed:	100 MPH AASHTO required	(page 199)
Mounting Configuration:	3 luminaires arm mounted at 90°	(page 239)

FIRST: A) Determine quantity of fixtures and mounting method
Arm mount required. Requires (1) 09022-3-BZ and (3) 09103BZ per pole
B) Determine EPA, weight, and if 0" or 30" offset required
5.24 EPA, 121 pounds, 30" vertical offset

SECOND: Select poles that exceed the 5.24 EPA, 121 pounds, at 30 inch offset EPA
RTA2580E and RTA2580G both qualify. Pick RTA2580E as the lowest cost alternate in this example.

THIRD: Select anchor bolts and template required by using the Ref. Item No. from the anchor bolt/bolt circle table.
RTA2580E- Ref item no = 4, which uses AB-27-4 and TMP-46

Ordering Information Sequence		
1.	Base Pole	RTA2580E
2.	Pole Top Style	P5
3.	Pole Top Drill Pattern	ND
4.	Finish	BZ
5.	Options if Required	(none required)
6.	Anchor Bolt	AB-27-4
7.	Template	TMP-46
8.	Luminaire Arm if Required	(3) 09133BZ
9.	Tenon Adaptor if Required	09022-BZ
10.	Luminaire	SMST400HPMTBZPM

(RTA2580EP5NDBZ-AB-27-4-TMP-46-(3)09133-BZ-09022-3-BZ-(3)SMST400HPMTBZPM)

Poles shall be fabricated to meet AASHTO 1994 requirements. Welds conform to applicable AWS structural welding code. Pole shaft is one piece, 6063 aluminum alloy, heat treated to a T6 temper. Pole base shall be 356 or A356 aluminum alloy, heat treated to a T6 temper after welding. Hand hole is 2" x 4" minimum, cover and fasteners are included. Nut covers shall be provided as standard. Finish shall match pole non-structural fasteners shall be stainless steel.

POLE SELECTION GUIDE

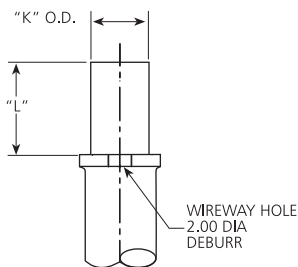
Round Tapered Aluminum RTA

Example: RTA2570E P2 ND BZ 1

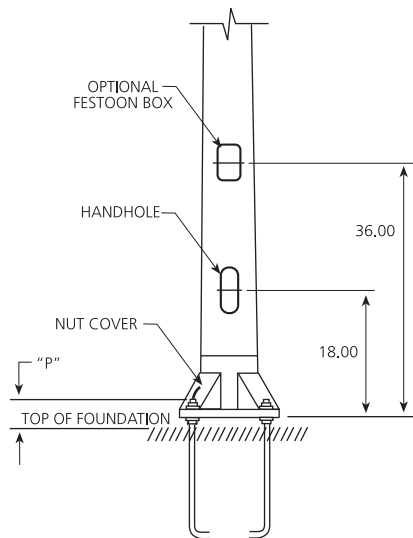
How to Construct a Catalog Number:

RTA2570E	P2	ND	BZ	1
1	2	3	4	5
LUMINAIRE	POLE TOP STYLE	DRILL PATTERN	FINISH	OPTIONS
See Catalog Prefix Chart on page 217	P2 Tenon, 2.38 O.D. x 4" LG. P3 Tenon, 3.50 O.D. x 6" LG. P4 Tenon, 4.00 O.D. x 6" LG. P5 Tenon, 2.88 O.D. x 4" LG. P6 Tenon, 2.38 O.D. x 6" LG. P7 Tenon, 3.00 O.D. x 3" LG. PL Plain Top, No Tenon	ND No Drill Pattern	AK Black Anodized AZ Bronze Anodized BK Black Paint BZ Bronze Paint GN Green Paint GR Grey Paint SB Satin Brush WH White Paint	1¹ Festoon Box 2 Base Cover 3 Tamper Resistant Screws 4 Vibration Dampener 1 Festoon Box is located on the same side as the hand hole, 36" above pole base. Receptacle/Cover are not included

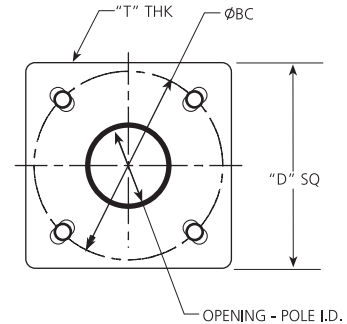
POLE TOP STYLE



POLE TOP STYLE	K	L
P2	2.38	4.00
P3	3.50	6.00
P4	4.00	6.00
P5	2.88	4.00
PL	PLAIN TOP, NO TENON	
P6	2.38	6.00
P7	3.00	3.00



BASE DETAIL



Anchor Bolt/Bolt Circle Table

Item No.	Bolt Circle Dia.	Min. Base Size "D"	Base Thk. "T"	Bolt Projection	Anchor Bolt Set	Bolt Circle Template
1	8.50	9.25	0.56	3.00 - 3.50	AB-26-4	TMP-40
2	9.50	10.25	0.75	3.25 - 3.75	AB-26-4	TMP-42
3	10.50	10.50	0.75	3.75 - 4.25	AB-27-4	TMP-44
4	11.50	11.50	0.88	3.88 - 4.38	AB-27-4	TMP-46
5	14.50	14.50	1.13	4.00 - 4.50	AB-27-4	TMP-51
6	14.50	14.50	1.13	4.50 - 5.00	AB-28-4	TMP-51

Base Pole Number (Catalog Prefix)	Nominal Shaft Size & Wall Thickness	EPA Vertical Offset from top of pole	AASHTO 1994 Rating						Bolt Circle Dia.	Anchor Bolt Size	Item No.
			80 MPH		90 MPH		100 MPH				
			Max. EPA	Max. Wt.	Max. EPA	Max. Wt.	Max. EPA	Max. Wt.			
20' NOMINAL POLE HEIGHT											
RTA2050C	5.0 x 3.0 x .125 Wall	0"	3.9	97	2.7	68	1.8	46	8.50	.75 x 17 + 3	1
		30"	3.5	89	2.4	61	1.6	41			
RTA2050G	5.0 x 3.0 x .188 Wall	0"	6.8	170	5.1	129	3.9	97	8.50	.75 x 17 + 3	1
		30"	6.1	152	4.6	115	3.4	87			
RTA2060G	6.0 x 4.0 x .188 Wall	0"	11.0	227	8.7	219	7.1	177	9.50	.75 x 17 + 3	2
		30"	9.9	247	7.7	194	6.2	157			
RTA2070E	7.0 x 4.0 x .156 Wall	0"	13.3	334	10.6	265	8.6	215	10.50	1.00 x 36 + 4	3
		30"	11.8	298	9.4	235	7.6	190			
25' NOMINAL POLE HEIGHT											
RTA2560E	6.0 x 4.0 x .156 Wall	0"	4.9	124	3.6	91	2.8	70	9.50	.75 x 17 + 3	2
		30"	4.5	113	3.3	83	2.5	64			
RTA2570E	7.0 x 4.0 x .156 Wall	0"	8.4	210	6.5	163	5.2	130	10.50	1.00 x 36 + 4	3
		30"	7.7	192	5.9	148	4.7	118			
RTA2580E	8.0 x 4.5 x .156 Wall	0"	12.3	309	9.8	245	7.9	199	11.50	1.00 x 36 + 4	4
		30"	11.2	282	8.9	223	7.2	180			
RTA2580G	8.0 x 4.5 x .188 Wall	0"	15.5	389	12.4	311	10.1	254	11.50	1.00 x 36 + 4	4
		30"	14.2	355	11.3	283	9.2	230			
30' NOMINAL POLE HEIGHT											
RTA3070E	7.0 x 4.0 x .156 Wall	0"	5.0	125	3.7	92	2.8	70	10.50	1.00 x 36 + 4	3
		30"	4.6	116	3.4	86	2.6	65			
RTA3080E	8.0 x 4.5 x .156 Wall	0"	8.1	204	6.3	158	5.0	125	11.50	1.00 x 36 + 4	4
		30"	7.5	189	5.8	146	4.6	116			
RTA3080G	8.0 x 4.5 x .188 Wall	0"	10.6	266	8.4	209	6.7	168	11.50	1.00 x 36 + 4	4
		30"	9.9	247	7.7	194	6.2	156			
RTA3010G	10.0 x 6.0 x .188 Wall	0"	20.9	524	16.7	419	13.5	340	14.50	1.00 x 36 + 4	5
		30"	19.3	484	15.4	387	12.5	313			
35' NOMINAL POLE HEIGHT											
RTA3580E	8.0 x 4.5 x .156 Wall	0"	5.0	126	3.7	93	2.8	71	11.50	1.00 x 36 + 4	4
		30"	4.8	120	3.5	88	2.6	66			
RTA3580G	8.0 x 4.5 x .188 Wall	0"	7.2	178	5.4	135	4.2	106	11.50	1.00 x 36 + 4	4
		30"	6.7	167	5.1	127	4.0	100			
RTA3580J	8.0 x 4.5 x .250 Wall	0"	10.8	272	8.6	214	6.9	172	11.50	1.00 x 36 + 4	4
		30"	10.2	255	8.0	201	6.4	161			
RTA3510G	10.0 x 6.0 x .188 Wall	0"	15.5	390	12.3	308	9.9	247	14.50	1.00 x 36 + 4	5
		30"	14.5	365	11.5	289	9.2	231			
39' NOMINAL POLE HEIGHT											
RTA3980G	8.0 x 4.5 x .188 Wall	0"	4.8	121	3.5	89	2.6	66	11.50	1.00 x 36 + 4	4
		30"	4.6	116	3.4	84	2.5	62			
RTA3980J	8.0 x 4.5 x .250 Wall	0"	8.1	203	6.3	157	4.9	123	11.50	1.00 x 36 + 4	4
		30"	7.7	192	5.9	148	4.6	116			
RTA3910G	10.0 x 6.0 x .188 Wall	0"	12.2	306	9.5	239	7.5	187	14.50	1.00 x 36 + 4	5
		30"	11.5	289	9.0	225	7.0	176			
RTA3910J	10.0 x 6.0 x .250 Wall	0"	17.8	447	14.1	355	11.3	284	14.50	1.25 x 48 + 6	6
		30"	16.8	421	13.3	334	10.6	267			

* Item number per anchor bolt/bolt circle table

Welds conform to applicable AWS structural welding code. Pole shaft is one piece, 6005, 6061, or 6063 aluminum alloy, heat treated to a T6 temper. Pole base shall be 356 or A356 aluminum alloy, heat treated to a T6 temper after welding. Hand hole is 2" x 4" minimum, cover and fasteners are included. Nut covers shall be provided as standard. Finish shall match pole. Removable pole cap shall be provided with each drill pattern type pole. Non-structural fasteners shall be stainless steel.

POLE SELECTION GUIDE

Square Straight Aluminum SSA

FEATURES:

- Anodized, painted, or satin brush finish. Painted poles shall be semi-gloss powder paint.
- Grounding provision shall be immediately accessible through hand hole, 3/8-16 threads.
- Steel anchor bolts shall be per AASHTO M314 or ASTM F 1554 - Grade 55, hot dip galvanized. Nuts and washers shall be per AASHTO M314-90 or ASTM F 1554 - hot dip galvanized.

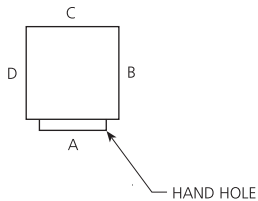
Example: SSA2555G D1 R3 BZ 1

How to Construct a Catalog Number:

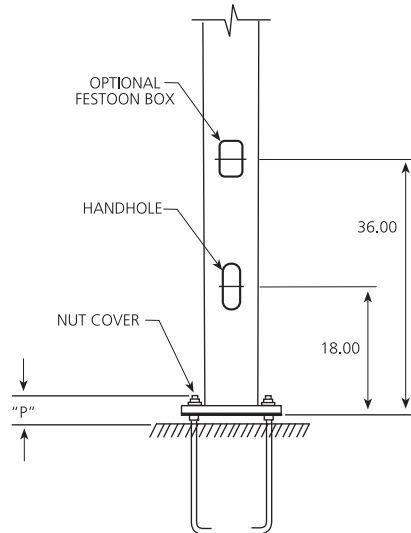
SSA2555G	D1	R3	BZ	1
1	2	3	4	5
BASE POLE	POLE TOP STYLE	DRILL PATTERN	FINISH	OPTIONS
See Catalog Prefix Chart on page 219	D1 Drilling for 1 Unit D2 Drilling for 2 Units @ 180° D3 Drilling for 3 Units @ 90° D4 Drilling for 4 Units @ 90° D5 Drilling for 2 Units @ 90° P2 Tenon, 2.38 O.D. x 4" LG. P3 Tenon, 3.50 O.D. x 6" LG. P4 Tenon, 4.00 O.D. x 6" LG. P5 Tenon, 2.88 O.D. x 4" LG.	H1 ¹ Parkpak®, Horz. No Arm H3 ¹ Parkpak®, Horz. With Arm J4 ¹ MirroStar® Only K8 ¹ Mongoose®, Sq. Postop Arm R2 ¹ Module 600® & Somerset® only R3 ¹ Mongoose®, Arch Arm T3 ¹ PoleStar® II Only W5 ¹ Parkpak®, Vert. No Arm ND ² No Drill Pattern	AK Black Anodized AZ Bronze Anodized BK Black Paint BZ Bronze Paint GN Green Paint GR Grey Paint SB Satin Brush WH White Paint	1 ¹ Festoon Box 3 Tamper Resistant Screws 4 Vibration Damper 1 Festoon Box is located on the same side as the hand hole, 36" above pole base Receptacle/Cover are not included

1 Available on drilled pole tops only
2 Only available on tenon pole tops

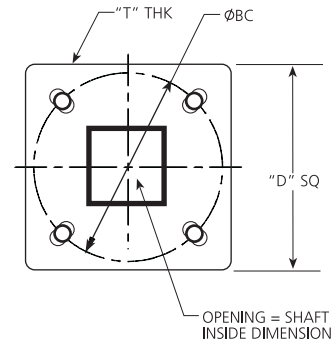
DRILL PATTERN ORIENTATION



POLE TOP STYLE	ORIENTATION
D1	1 UNIT C
D2	2 UNITS @ 180° B, D
D3	3 UNITS @ 90° B, C, D
D4	4 UNITS @ 90° A, B, C, D
D5	2 UNITS @ 90° B, C



BASE DETAIL



Anchor Bolt/Bolt Circle Table

Item No.	Bolt Circle Dia.	Min. Base Size "D"	Base Thk. "T"	Bolt Projection	Anchor Bolt Set	Bolt Circle Template
1	9.0	9.88	0.43	2.88 - 3.38	AB-26-4	TMP-41
2	11.0	11.25	0.50	3.00 - 3.50	AB-26-4	TMP-45
3	12.50	12.25	0.63	3.50 - 4.00	AB-27-4	TMP-48

Base Pole Number (Catalog Prefix)	Nominal Shaft Size & Wall Thickness	EPA Vertical Offset from top of pole	NON-AASHTO Rating						Bolt Circle Dia.	Anchor Bolt Size	Item No.
			80 MPH		90 MPH		100 MPH				
			Max. EPA	Max. Wt.	Max. EPA	Max. Wt.	Max. EPA	Max. Wt.			
8' NOMINAL POLE HEIGHT											
SSA0844C	4.0 Square x .125 Wall	0"	19.6	490	15.0	375	11.7	293	9.00	.75 x 17 + 3	1
		30"	14.6	365	11.4	285	8.8	220			
10' NOMINAL POLE HEIGHT											
SSA1044C	4.0 Square x .125 Wall	0"	14.0	350	10.6	265	7.6	195	9.00	75 x 17 + 3	1
		30"	11.3	283	8.4	210	6.2	155			
12' NOMINAL POLE HEIGHT											
SSA1244C	4.0 Square x .125 Wall	0"	17.6	440	13.6	340	10.5	263	9.00	75 x 17 + 3	1
		30"	11.5	288	8.7	218	6.7	168			
14' NOMINAL POLE HEIGHT											
SSA1444C	4.0 Square x .125 Wall	0"	13.3	333	9.8	245	7.3	183	9.00	75 x 17 + 3	1
		30"	8.8	220	6.5	163	4.8	120			
15' NOMINAL POLE HEIGHT											
SSA1544C	4.0 Square x .125 Wall	0"	9.2	230	6.5	163	4.6	115	9.00	75 x 17 + 3	1
		30"	7.6	190	5.4	135	3.8	95			
16' NOMINAL POLE HEIGHT											
SSA1644C	4.0 Square x .125 Wall	0"	7.7	193	5.3	133	3.5	88	9.00	75 x 17 + 3	1
		30"	6.4	160	4.4	110	2.9	73			
SSA1644G	4.0 Square x .188 Wall	0"	12.8	320	9.5	238	6.8	170	9.00	75 x 17 + 3	1
		30"	10.8	270	7.9	198	5.8	145			
SSA1655G	5.0 Square x .188 Wall	0"	23.0	575	17.3	433	13.1	328	11.00	75 x 17 + 3	2
		30"	19.3	483	14.5	363	11.0	275			
18' NOMINAL POLE HEIGHT											
SSA1844C	4.0 Square x .125 Wall	0"	5.2	130	3.1	78	1.5	38	9.00	75 x 17 + 3	1
		30"	4.4	110	2.6	65	1.3	33			
SSA1844G	4.0 Square x .188 Wall	0"	9.7	243	6.7	168	4.5	113	9.00	75 x 17 + 3	1
		30"	8.2	205	5.7	143	3.8	95			
SSA1855G	5.0 Square x .188 Wall	0"	18.0	450	13.1	328	9.5	238	11.00	75 x 17 + 3	2
		30"	15.4	385	11.2	280	8.1	203			
20' NOMINAL POLE HEIGHT											
SSA2044C	4.0 Square x .125 Wall	0"	3.1	78	1.2	30	NA	NA	9.00	75 x 17 + 3	1
		30"	2.7	68	1.1	28	NA	NA			
SSA2044G	4.0 Square x .188 Wall	0"	7.0	175	4.4	110	2.4	60	9.00	75 x 17 + 3	1
		30"	6.1	153	3.8	95	2.1	53			
SSA2055G	5.0 Square x .188 Wall	0"	14.0	350	9.6	240	6.5	163	11.00	75 x 17 + 4	2
		30"	12.2	305	8.4	210	5.6	140			
SSA2066G	6.0 Square x .188 Wall	0"	22.1	553	15.4	385	10.8	270	12.50	1.00 x 36 + 4	3
		30"	19.3	483	13.6	340	9.4	235			
SSA2066J	6.0 Square x .250 Wall	0"	31.0	775	23.0	575	16.7	418	12.50	1.00 x 36 + 4	3
		30"	27.3	683	20.0	500	14.7	368			
25' NOMINAL POLE HEIGHT											
SSA2555G	5.0 Square x .188 Wall	0"	6.4	160	3.0	75	NA	NA	11.00	75 x 17 + 4	2
		30"	5.6	140	2.7	68	NA	NA			
SSA2566G	6.0 Square x .188 Wall	0"	13.0	325	8.2	205	4.3	108	12.50	1.00 x 36 + 4	3
		30"	11.9	298	7.3	183	3.8	95			
SSA2566J	6.0 Square x .250 Wall	0"	18.1	453	11.7	293	7.0	175	12.50	1.00 x 36 + 4	3
		30"	16.2	405	10.5	263	6.3	158			
30' NOMINAL POLE HEIGHT											
SSA3066G	6.0 Square x .188 Wall	0"	4.2	105	NA	NA	NA	NA	12.50	1.00 x 36 + 4	3
		30"	3.9	98	NA	NA	NA	NA			
SSA3066J	6.0 Square x .250 Wall	0"	11.1	278	6.0	150	2.2	55	12.50	1.00 x 36 + 4	3
		30"	10.0	250	5.4	135	2.0	50			
32' NOMINAL POLE HEIGHT											
SSA3266J2	6.0 Square x .250 Wall	0"	7.7	193	3.0	75	NA	NA	12.50	1.00 x 36 + 4	3
		30"	7.0	175	2.7	68	NA	NA			
35' NOMINAL POLE HEIGHT											
SSA3566J2	6.0 Square x .250 Wall	0"	4.9	123	NA	NA	NA	NA	12.50	1.00 x 36 + 4	3
		30"	4.4	110	NA	NA	NA	NA			

* Item number per anchor bolt/bolt circle table

POLE SELECTION GUIDE

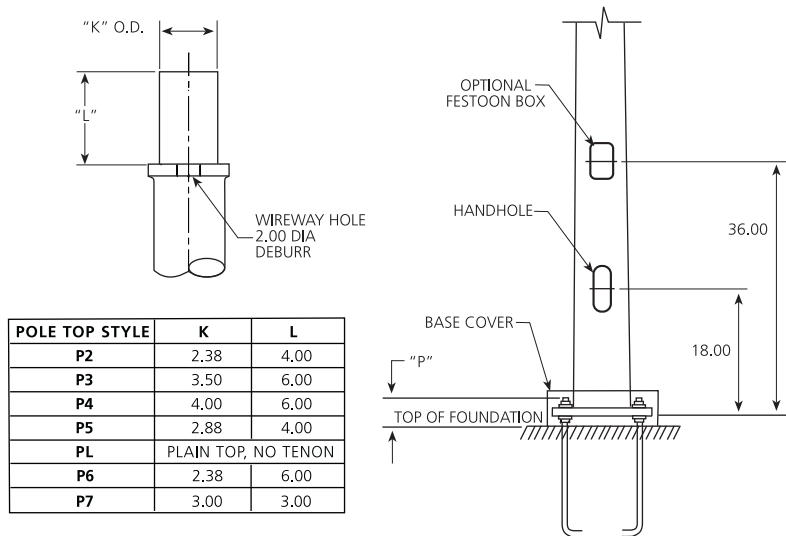
Round Tapered Steel RTS

Example: RTS2570B P2 ND BZ 1

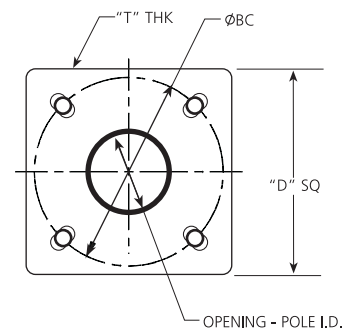
How to Construct a Catalog Number:

RTS2570B	P2	ND	BZ	1
1	2	3	4	5
BASE POLE	POLE TOP STYLE	DRILL PATTERN	FINISH	OPTIONS
See Catalog Prefix Chart on page 221	P2 Tenon, 2.38 O.D. x 4" LG. P3 Tenon, 3.50 O.D. x 6" LG. P4 Tenon, 4.00 O.D. x 6" LG. P5 Tenon, 2.88 O.D. x 4" LG. P6 Tenon, 2.38 O.D. x 6" LG. P7 Tenon, 3.00 O.D. x 3" LG. PL Plain Top, No Tenon	ND No Drill Pattern	BK Black Paint BZ Bronze Paint GN Green Paint GR Grey Paint HG Hot Dip Galvanize PP Prime Paint WH White Paint	1¹ Festoon Box 3 Tamper Resistant Screws 4 Vibration Dampener 1 Festoon Box is located on the same side as the hand hole, 36" above pole base. Receptacle/Cover are not included

POLE TOP STYLE



BASE DETAIL



Anchor Bolt/Bolt Circle Table

Item No.	Bolt Circle Dia.	Min. Base Size "D"	Base Thk. "T"	Bolt Projection	Anchor Bolt Set	Bolt Circle Template
1	9.00	10.00	0.88	3.88 - 4.38	AB-27-4	TMP-41
2	9.50	10.50	0.88	3.88 - 4.38	AB-27-4	TMP-42
3	10.00	10.88	0.88	3.88 - 4.38	AB-27-4	TMP-43
4	10.00	10.88	1.00	4.00 - 4.50	AB-27-4	TMP-43
5	10.50	11.25	0.88	3.88 - 4.38	AB-27-4	TMP-44
6	11.00	11.50	0.88	3.88 - 4.38	AB-27-4	TMP-45
7	11.00	11.50	1.25	4.75 - 5.25	AB-28-4	TMP-45
8	11.50	12.00	1.00	4.00 - 4.50	AB-27-4	TMP-46
9	12.50	12.38	1.00	4.00 - 4.50	AB-27-4	TMP-48
10	12.50	12.38	1.25	4.75 - 5.25	AB-28-4	TMP-48
11	13.00	13.00	1.00	4.00 - 4.50	AB-27-4	TMP-49
12	13.50	14.00	1.00	4.00 - 4.50	AB-27-4	TMP-50
13	13.50	14.00	1.25	4.75 - 5.25	AB-28-4	TMP-50

Base Pole Number (Catalog Prefix)	Nominal Shaft Size & Wall Thickness	EPA Vertical Offset from top of pole	Non-Aashto		Aashto 1994		Non-Aashto		Aashto 1994		Non-Aashto		Aashto 1994		Bolt Circle Dia.	Anchor Bolt Size	Item No.
			80 MPH+1.3		80 MPH		90 MPH+1.3		90 MPH		100 MPH+1.3		100 MPH				
			Max. EPA	Max. Wt.	Max. EPA	Max. Wt.	Max. EPA	Max. Wt.	Max. EPA	Max. Wt.	Max. EPA	Max. Wt.	Max. EPA	Max. Wt.			
20' NOMINAL POLE HEIGHT																	
RTS2059B	5.9 x 3.1 x 11 Gauge Wall	0"	23.0	575	18.1	453	18.1	453	14.1	352	14.6	365	11.2	280	9.00	1.00 x 36 + 4	1
		30"	19.3	482	15.5	388	15.1	377	12.1	303	12.2	305	9.5	237			
RTS2065B	6.5 x 3.7 x 11 Gauge Wall	0"	29.0	725	20.0	500	23.0	575	17.8	445	18.7	468	14.2	355	9.50	1.00 x 36 + 4	2
		30"	24.2	605	19.4	485	19.3	482	15.2	380	15.6	390	12.3	308			
25' NOMINAL POLE HEIGHT																	
RTS2559B	5.9 x 2.4 x 11 Gauge Wall	0"	15.0	375	12.6	315	12.0	300	9.9	248	9.5	238	7.7	193	9.00	1.00 x 36 + 4	1
		30"	12.0	300	10.7	269	9.9	247	8.4	210	8.0	200	6.6	165			
RTS2570B	7.0 x 3.5 x 11 Gauge Wall	0"	23.8	595	19.5	488	18.8	470	15.0	375	15.2	380	12.0	300	10.00	1.00 x 36 + 4	3
		30"	20.3	507	17.1	428	16.2	405	13.3	333	13.1	327	10.6	265			
RTS2570F	7.0 x 3.5 x 7 Gauge Wall	0"	34.4	860	21.2	530	27.4	685	16.4	410	22.2	555	13.0	325	10.00	1.00 x 36 + 4	4
		30"	30.5	760	18.6	465	24.0	625	14.5	363	19.8	495	11.5	288			
30' NOMINAL POLE HEIGHT																	
RTS3066B	6.6 x 2.4 x 11 Gauge Wall	0"	14.0	350	11.0	275	10.9	273	8.5	213	8.5	213	6.5	163	9.50	1.00 x 36 + 4	2
		30"	11.0	275	9.5	238	9.0	225	7.4	185	7.5	188	5.8	145			
RTS3080B	8.0 x 3.8 x 11 Gauge Wall	0"	20.8	520	16.0	400	16.5	413	12.4	310	13.3	333	9.8	245	11.00	1.00 x 36 + 4	6
		30"	18.9	473	14.3	358	14.9	373	11.0	275	12.0	300	8.8	220			
RTS3080F	8.0 x 3.8 x 7 Gauge Wall	0"	37.1	928	25.3	633	29.7	743	22.3	558	24.1	603	18.1	453	11.00	1.25 x 42 + 6	7
		30"	33.5	838	23.3	583	27.0	675	20.0	500	22.0	550	16.2	504			
35' NOMINAL POLE HEIGHT																	
RTS3573B	7.3 x 2.4 x 11 Gauge Wall	0"	13.2	330	10.5	263	10.4	260	8.0	200	8.3	208	6.0	150	10.50	1.00 x 36 + 4	5
		30"	11.0	225	9.2	230	8.5	213	7.0	175	7.0	175	5.5	138			
RTS3585B	8.5 x 3.6 x 11 Gauge Wall	0"	21.0	525	12.8	320	16.5	413	9.5	238	13.5	338	7.5	188	11.50	1.00 x 36 + 4	8
		30"	18.0	450	11.5	288	14.5	363	8.7	218	12.0	300	6.7	168			
RTS3595B	9.5 x 4.6 x 11 Gauge Wall	0"	25.2	630	15.3	383	19.8	495	12.0	300	15.8	395	9.4	235	13.00	1.00 x 36 + 4	11
		30"	23.2	580	14.0	350	18.2	455	10.8	270	14.5	363	8.5	213			
39' NOMINAL POLE HEIGHT																	
RTS3978B	7.8 x 2.4 x 11 Gauge Wall	0"	12.2	305	9.3	233	9.2	230	6.7	168	7.2	180	4.9	123	11.00	1.00 x 36 + 4	6
		30"	10.7	267	8.4	210	8.5	212	6.1	153	6.6	165	4.4	110			
RTS3990B	9.0 x 3.6 x 11 Gauge Wall	0"	18.6	465	11.7	293	14.6	365	8.7	218	11.6	290	6.5	163	12.50	1.00 x 36 + 4	9
		30"	17.2	430	10.6	265	13.5	338	7.9	198	10.8	270	5.9	148			
RTS3990F	9.0 x 3.6 x 7 Gauge Wall	0"	31.6	790	22.3	558	25.3	633	17.3	433	20.3	508	13.7	343	12.50	1.25 x 42 + 6	10
		30"	28.5	715	20.2	505	23.0	575	15.8	395	19.0	475	12.4	310			
45' NOMINAL POLE HEIGHT																	
RTS4510B	10.0 x 3.7 x 11 Gauge Wall	0"	18.7	468	9.1	228	14.6	365	6.6	165	11.4	285	4.8	120	13.50	1.00 x 36 + 4	12
		30"	17.4	435	8.4	210	13.5	338	6.0	150	10.6	265	4.3	108			
TS4510F	10.0 x 3.7 x 7 Gauge Wall	0"	31.3	783	19.0	475	25.4	635	14.6	365	20.6	515	11.4	285	13.50	1.25 x 42 + 6	13
		30"	28.5	715	17.4	435	23.0	575	13.4	335	19.0	475	10.4	260			
50' NOMINAL POLE HEIGHT																	
RTS5010B	10.0 x 3.0 x 11 Gauge Wall	0"	14.8	370	6.0	150	11.4	285	3.9	98	8.8	220	2.5	63	13.50	1.00 x 36 + 4	12
		30"	12.5	313	5.4	135	10.0	250	3.5	88	8.3	208	2.2	55			
RTS5010F	10.0 x 3.0 x 7 Gauge Wall	0"	23.4	585	13.7	343	18.8	479	10.2	255	15.4	385	7.5	188	13.50	1.25 x 42 + 6	13
		30"	20.5	512	12.5	313	16.5	412	9.4	235	13.6	340	7.0	175			

* Item number per anchor bolt/bolt circle table

POLE SELECTION GUIDE

Square Straight Steel SSS

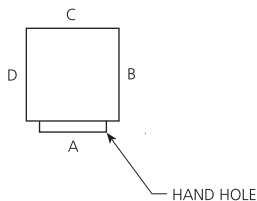
Example: SSS2555C D1 R3 BZ 1

How to Construct a Catalog Number:

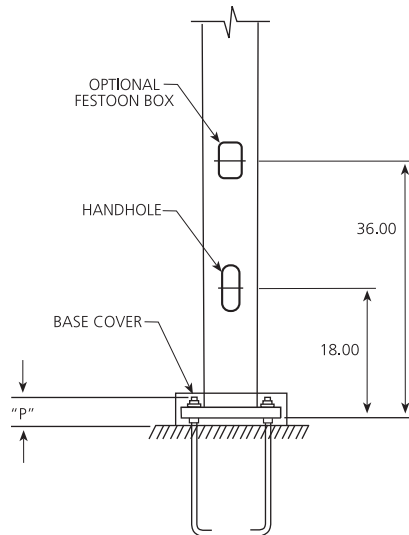
SSS2555C	D1	R3	BZ	1
1	2	3	4	5
BASE POLE	POLE TOP STYLE	DRILL PATTERN	FINISH	OPTIONS
See Catalog Prefix Chart on page 223	D1 Drilling for 1 Unit D2 Drilling for 2 Units @ 180° D3 Drilling for 3 Units @ 90° D4 Drilling for 4 Units @ 90° D5 Drilling for 2 Units @ 90° P2 Tenon, 2.38 O.D. x 4" LG. P3 Tenon, 3.50 O.D. x 6" LG. P4 Tenon, 4.00 O.D. x 6" LG. P5 Tenon, 2.88 O.D. x 4" LG.	H1¹ Parkpak®, Horz. No Arm H3¹ Parkpak®, Horz. With Arm J4¹ MirroStar® Only K8¹ Mongoose®, Sq. Postop Arm R2¹ Module 600® & Somerset only R3¹ Mongoose®, Arch Arm T3¹ PoleStar® II Only W5¹ Parkpak®, Vert. No Arm ND² No Drill Pattern	BK Black Paint BZ Bronze Paint GN Green Paint GR Grey Paint HG Hot Dip Galvanize PP Prime Paint WH White Paint	1¹ Festoon Box 3 Tamper Resistant Screws 4 Vibration Dampener 1 Festoon Box is located on the same side as the hand hole, 36" above pole base Receptacle/Cover are not included

1 Available on drilled pole tops only
2 Only available on tenon pole tops

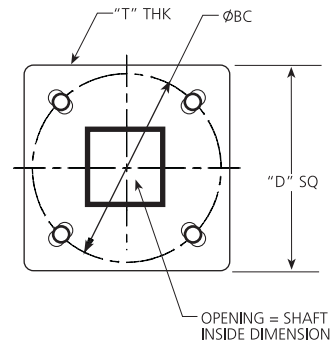
DRILL PATTERN ORIENTATION



POLE TOP STYLE	ORIENTATION
D1 1 UNIT	C
D2 2 UNITS @ 180°	B, D
D3 3 UNITS @ 90°	B, C, D
D4 4 UNITS @ 90°	A, B, C, D
D5 2 UNITS @ 90°	B, C



BASE DETAIL



Anchor Bolt/Bolt Circle Table

Item No.	Bolt Circle Dia.	Min. Base Size "D"	Base Thk. "T"	Bolt Projection	Anchor Bolt Set	Bolt Circle Template
1	8.50	8.00	0.75	3.25 - 3.75	AB-26-4	TMP-40
2	8.50	8.00	0.88	3.38 - 3.88	AB-26-4	TMP-40
3	11.00	11.00	1.00	3.50 - 4.00	AB-26-4	TMP-45
4	11.00	11.00	1.00	4.00 - 4.50	AB-27-4	TMP-45
5	12.00	12.50	1.00	4.00 - 4.50	AB-27-4	TMP-47
6	12.00	12.00	1.00	4.00 - 4.50	AB-27-4	TMP-47

Base Pole Number (Catalog Prefix)	Nominal Shaft Size & Wall Thickness	EPA Vertical Offset from top of pole	NON-AASHTO Rating						Bolt Circle Dia.	Anchor Bolt Size	Item No.
			80 MPH		90 MPH		100 MPH				
			Max. EPA	Max. Wt.	Max. EPA	Max. Wt.	Max. EPA	Max. Wt.			
10' NOMINAL POLE HEIGHT											
SSS1044C	4.0 Square x 11 Gauge Wall	0"	30.5	763	23.5	588	18.5	463	8.50	.75 x 17 + 3	1
		30"	23.0	575	18.0	450	14.2	355			
12' NOMINAL POLE HEIGHT											
SSS1244C	4.0 Square x 11 Gauge Wall	0"	23.5	588	18.0	450	13.5	338	8.50	.75 x 17 + 3	1
		30"	19.1	478	14.5	363	11.0	275			
14' NOMINAL POLE HEIGHT											
SSS1444C	4.0 Square x 11 Gauge Wall	0"	19.9	498	15.0	375	11.5	288	8.50	75 x 17 + 3	1
		30"	15.0	375	11.0	275	8.5	213			
16' NOMINAL POLE HEIGHT											
SSS1644C	4.0 Square x 11 Gauge Wall	0"	14.0	350	9.5	238	8.9	223	8.50	75 x 17 + 3	1
		30"	11.5	288	8.0	200	7.1	178			
18' NOMINAL POLE HEIGHT											
SSS1844C	4.0 Square x 11 Gauge Wall	0"	12.0	300	8.5	213	5.5	138	8.50	75 x 17 + 3	1
		30"	10.0	250	7.0	175	4.5	113			
20' NOMINAL POLE HEIGHT											
SSS2044C	4.0 Square x 11 Gauge Wall	0"	9.6	240	6.7	167	4.5	150	8.50	75 x 17 + 3	1
		30"	8.1	203	5.6	140	3.7	93			
SSS2044G	4.0 Square x 7 Gauge Wall	0"	16.9	423	12.5	313	9.0	225	8.50	75 x 17 + 3	2
		30"	14.4	360	10.5	263	7.5	188			
SSS2055C	5.0 Square x 11 Gauge Wall	0"	17.7	443	12.7	343	9.4	235	11.00	75 x 17 + 3	3
		30"	14.0	373	10.9	273	8.0	200			
SSS2055G	5.0 Square x 7 Gauge Wall	0"	28.1	703	21.4	535	16.2	405	11.00	75 x 17 + 4	3
		30"	23.0	575	17.4	435	13.2	330			
25' NOMINAL POLE HEIGHT											
SSS2544C	4.0 Square x 11 Gauge Wall	0"	4.8	150	2.6	100	1.0	50	8.50	75 x 17 + 4	1
		30"	4.3	108	2.4	60	na	na			
SSS2544G	4.0 Square x 7 Gauge Wall	0"	10.5	263	7.0	175	4.5	113	8.50	75 x 17 + 4	2
		30"	9.0	225	6.0	150	4.0	100			
SSS2555C	5.0 Square x 11 Gauge Wall	0"	9.8	245	6.3	157	3.7	150	11.00	75 x 17 + 4	3
		30"	8.8	220	5.6	140	3.4	85			
SSS2555G	5.0 Square x 7 Gauge Wall	0"	18.5	463	13.3	333	9.5	238	11.00	75 x 17 + 4	3
		30"	15.6	390	11.3	283	8.0	200			
30' NOMINAL POLE HEIGHT											
SSS3044G	4.0 Square x 7 Gauge Wall	0"	6.0	150	3.5	88	1.5	38	8.50	75 x 17 + 3	2
		30"	5.5	138	3.0	75	1.0	25			
SSS3055C	5.0 Square x 11 Gauge Wall	0"	4.7	140	2.0	54	na	na	11.00	75 x 17 + 3	3
		30"	4.4	110	1.6	40	na	na			
SSS3055G	5.0 Square x 7 Gauge Wall	0"	10.7	267	6.7	167	3.9	100	11.00	1.00 x 36 + 4	4
		30"	9.9	248	6.4	160	3.6	90			
SSS3066G	6.0 Square x 7 Gauge Wall	0"	19.0	475	13.2	330	9.0	225	12.00	1.00 x 36 + 4	5
		30"	17.6	440	12.2	305	8.3	208			
35' NOMINAL POLE HEIGHT											
SSS3555G	5.0 Square x 7 Gauge Wall	0"	5.9	150	2.5	100	na	na	11.00	1.00 x 36 + 4	4
		30"	5.6	140	2.4	60	na	na			
SSS3566G	6.0 Square x 7 Gauge Wall	0"	12.4	310	7.6	190	4.2	105	12.00	1.00 x 36 + 4	5
		30"	11.9	298	7.8	183	4.0	100			
39' NOMINAL POLE HEIGHT											
SSS3966G	6.0 Square x 7 Gauge Wall	0"	8.0	200	3.8	95	na	na	12.00	1.00 x 36 + 4	6
		30"	7.6	190	3.5	90	na	na			

* Item number per anchor bolt/bolt circle table

POLE SELECTION GUIDE

Crestwood®

Ordering Information Sequence		
1	Base Pole	(Pole Specification Sheet)
2	Pole Top Style	(Pole Mounting Selection Guide)
3	Pole Top Drill Pattern	(Pole Mounting Selection Guide)
4	Finish	(Pole Specification Sheet)
5	Options if Required	(Pole Specification Sheet)
6	Anchor Bolt	(Pole Specification Sheet)
7	Template	(Pole Specification Sheet)
8	Luminaire Arm if Required	(Pole Mounting Selection Guide)
9	Tenon Adaptor if Required	(Pole Specification Sheet)
10	Luminaire	(Luminaire section)



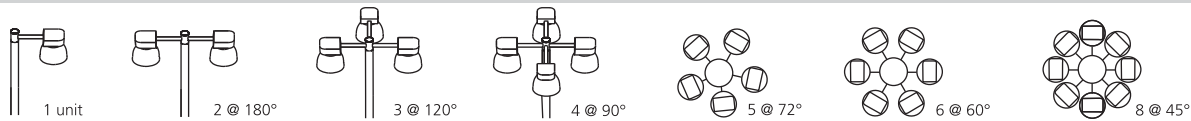
CW2A												
10	9			8					2	3	1	
Style	Configuration		Pole Mounting Requirements						Pole Top		Pole Description	
			Qty.	Mounting Arm	Description		EPA ^{1,2}	Weight	Style	Pattern	Type	Rules
CA Standard Canopy	Pole Tenon	Post Top		None			1.68	37	PL or P5	ND	RTA/RTS/SSA/SSS	PL available 3.0 O.D., RTA Pole Top Only
MN Mansard Canopy							2.48	42	PL or P5	ND	RTA/RTS/SSA/SSS	
CA Standard Canopy	2 @ 180°	Post Top	1	BR-1284-XX	Steel	180°, Two Luminaire Mounting Bracket. 60" between luminaires.	5.08	99	P2	ND	RTA/RTS/SSA/SSS	80MPH MAX. & 1.3 Gust
MN Mansard Canopy				BR-1284-XX			5.88	104	P2	ND	RTA/RTS/SSA/SSS	

CW3A												
10	9			8					2	3	1	
Style	Configuration		Pole Mounting Requirements						Pole Top		Pole Description	
			Qty.	Mounting Arm	Description		EPA ^{1,2}	Weight	Style	Pattern	Type	Rules
CA Standard Canopy	Pole Tenon	Post Top		None			2.71	74	PL or P4	ND	RTA/RTS/SSA/SSS	PL available 4.0 O.D., RTA Pole Top Only
MN Mansard Canopy							4.31	84	PL or P4	ND	RTA/RTS/SSA/SSS	
CA Standard Canopy	2 @ 180°	Post Top	1	BR-1285-XX	Steel	180°, Two Luminaire Mounting Bracket. 60" between luminaires.	6.11	136	P2	ND	RTA/RTS/SSA/SSS	80MPH MAX. & 1.3 Gust
MN Mansard Canopy				BR-1285-XX			7.71	146	P2	ND	RTA/RTS/SSA/SSS	

NOTES:

1. Shield EPA and Weight must be added to each luminaire. Handled through TSG Only.
2. When selecting pole, use 30" vertical offset of EPA.

High Mast Series



HMSC Symmetric and Asymmetric												
10	9			8					2	3	1	
Style	Configuration		Pole Mounting Requirements						Pole Top		Pole Description	
			Qty.	Mounting Arm	Description		EPA ^{1,2}	Weight	Style	Pattern	Type	Rules
Aluminum Arm	Pole Tenon	1 unit	1	BR-951-XX	Aluminum Round	Tenon Mount Arm	2.28	66	PL	ND	RTA	PL available 4.5 O.D., RTA Pole Top Only
		2 units @ 180°		BR-952-XX			4.15	124	PL			
		3 units @ 120°		BR-953-XX			5.62	183	PL			
		4 units @ 90°		BR-954-XX			7.33	244	PL			
Steel Arm	Pole Tenon	1 unit	1	BR-292-XX	Steel Round	Tenon Mount Arm	2.34	79	P2	ND	RTS	
		2 units @ 180°		BR-293-XX			4.48	151	P2			
		3 units @ 120°		BR-294-XX			5.87	222	P2			
		4 units @ 90°		BR-295-XX			7.27	294	P2			
		5 units @ 72°		BR-296-XX			9.25	369	P4			
		6 units @ 60°		BR-297-XX			10.90	442	P4			
		8 units @ 45°		BR-298-XX			14.02	585	P4			

HMAO Type S, J, R and L										
10	9			8				2	3	1
Style	Configuration			Pole Mounting Requirements				Pole Top		Pole Description
				Qty.	Mounting Arm	Description		EPA ^{3,4}	Weight	Rules
S and J	Aluminum Arm	Pole Tenon	1 unit	1	BR-951-XX	Aluminum Round	Tenon Mount Arm	2.06	82	PL ND RTA PL available 4.5 O.D., RTA Pole Top Only PL available 6.0 O.D., RTA Pole Top Only
			2 units @ 180°		BR-952-XX			3.71	159	
			3 units @ 120°		BR-953-XX			4.96	237	
			4 units @ 90°		BR-954-XX			6.45	315	
	Steel Arm	Pole Tenon	1 unit	1	BR-292-XX	Steel Round	Tenon Mount Arm	2.12	91	P2 P2 P4 ND RTS
			2 units @ 180°		BR-293-XX			4.04	174	
			3 units @ 120°		BR-294-XX			5.21	257	
			4 units @ 90°		BR-295-XX			6.39	341	
			5 units @ 72°		BR-296-XX			8.15	430	
			6 units @ 60°		BR-297-XX			10.16	517	
			8 units @ 45°		BR-298-XX			13.10	687	
R	Aluminum Arm	Pole Tenon	1 unit	1	BR-951-XX	Aluminum Round	Tenon Mount Arm	2.44	93.5	PL ND RTA PL available 4.5 O.D., RTA Pole Top Only PL available 6.0 O.D., RTA Pole Top Only
			2 units @ 180°		BR-952-XX			4.47	183	
			3 units @ 120°		BR-953-XX			6.10	272.75	
			4 units @ 90°		BR-954-XX			7.97	362.5	
	Steel Arm	Pole Tenon	1 unit	1	BR-292-XX	Steel Round	Tenon Mount Arm	2.50	103	P2 P2 P4 ND RTS
			2 units @ 180°		BR-293-XX			4.80	198	
			3 units @ 120°		BR-294-XX			6.35	293	
			4 units @ 90°		BR-295-XX			7.91	389	
			5 units @ 72°		BR-296-XX			10.05	490	
			6 units @ 60°		BR-297-XX			12.44	589	
			8 units @ 45°		BR-298-XX			16.14	783	
L	Aluminum Arm	Pole Tenon	1 unit	1	BR-951-XX	Aluminum Round	Tenon Mount Arm	2.50	97.5	PL ND RTA PL available 4.5 O.D., RTA Pole Top Only PL available 6.0 O.D., RTA Pole Top Only
			2 units @ 180°		BR-952-XX			4.59	191	
			3 units @ 120°		BR-953-XX			6.28	284.75	
			4 units @ 90°		BR-954-XX			8.21	378.5	
	Steel Arm	Pole Tenon	1 unit	1	BR-292-XX	Steel Round	Tenon Mount Arm	2.56	107	P2 P2 P4 ND RTS
			2 units @ 180°		BR-293-XX			4.92	206	
			3 units @ 120°		BR-294-XX			6.53	305	
			4 units @ 90°		BR-295-XX			8.15	405	
			5 units @ 72°		BR-296-XX			10.35	510	
			6 units @ 60°		BR-297-XX			12.80	613	
			8 units @ 45°		BR-298-XX			16.62	815	

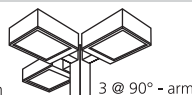
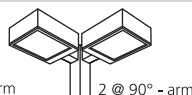
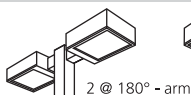
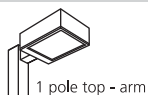
NOTES:

- To Specify Aluminum Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), WH (White), UN (Natural)
- To Specify Steel Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), HG (Hot Dip Galvanize), PP (Prime Paint)
- Shield EPA and Weight must be added to each luminaire. Handled through TSG Only.
- When selecting pole, use 0" vertical offset of EPA.

POLE SELECTION GUIDE

MirroStar®

Ordering Information Sequence		
1	Base Pole	(Pole Specification Sheet)
2	Pole Top Style	(Pole Mounting Selection Guide)
3	Pole Top Drill Pattern	(Pole Mounting Selection Guide)
4	Finish	(Pole Specification Sheet)
5	Options if Required	(Pole Specification Sheet)
6	Anchor Bolt	(Pole Specification Sheet)
7	Template	(Pole Specification Sheet)
8	Luminaire Arm if Required	(Pole Mounting Selection Guide)
9	Tenon Adaptor if Required	(Pole Specification Sheet)
10	Luminaire	(Luminaire section)



MS2 Medium													
10	9		8						2	3	1		
Style	Configuration		Pole Mounting Requirements						Pole Top		Pole Description		
			Mounting Arm	Qty.	Other¹	Description	EPA²,³	Weight	Style	Pattern	Type	Rules	
NN No Arms	Drill Pattern	1 unit	None		None		1.92	45	D1	J4	SSA/SSS		
		2 units @ 180º					3.84	90	D2				
	Tenon Mount	1 unit		1	MSTN01-XX MSTN02-XX	Aluminum	Tenon Adaptor	2.48	51	PL or P5	ND	RTA/RTS	PL available 3.0 O.D., RTA Pole Top Only
		2 units @ 180º						4.40	102				
SS 6" Arm	Drill Pattern	1 unit	Included w/ Luminaire		None		2.31	48	D1	J4	SSA/SSS		
		2 units @ 180º					4.62	96	D2				
	Tenon Mount	1 unit		1	MSTN01-XX MSTN02-XX	Aluminum	Tenon Adaptor	2.87	54	PL or P5	ND	RTA/RTS	PL available 3.0 O.D., RTA Pole Top Only
		2 units @ 180º						5.18	108				
LS 12" Arm	Drill Pattern	1 unit	Included w/ Luminaire		None		2.69	50	D1	J4	SSA/SSS		
		2 units @ 180º					5.38	99	D2				
		2 units @ 90º					4.21	99	D5				
		3 units @ 90º					6.90	148	D3				
		4 units @ 90º					8.42	197	D4				
	Tenon Mount	1 unit		1	MSTN01-XX	Aluminum	Tenon Adaptor	3.25	56	PL or P5	ND	RTA/RTS	PL available 3.0 O.D., RTA Pole Top Only
		2 units @ 180º		1	MSTN02-XX			5.94	111				
		2 units @ 90º		1	MSTN2L-XX			4.77	111				
		3 units @ 90º		1	MSTN03-XX			7.46	166				
		4 units @ 90º		1	MSTN04-XX			8.98	221				

NOTES:

1. To Specify Aluminum Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), WH (White), UN (Natural)
2. Shield EPA and Weight must be added to each luminaire. Handled through TSG Only.
3. When selecting pole, use 0" vertical offset of EPA.

MS3 Large													
10	9		8							2	3	1	
Style	Configuration		Pole Mounting Requirements					EPA ^{2,3}	Weight	Pole Top		Pole Description	
			Mounting Arm	Qty.	Other ¹	Description				Style	Pattern	Type	Rules
NN No Arms	Drill Pattern	1 unit	None	1	None	Aluminum	Tenon Adaptor	2.81	65	D1	J4	SSA/SSS	
		2 units @ 180°						5.62	130	D2			
	Tenon Mount	1 unit						3.37	71	PL or P5	ND	RTA/RTS	PL available 3.0 O.D., RTA Pole Top Only
		2 units @ 180°						6.18	142				
SS 6" Arm	Drill Pattern	1 unit	Included w/ Luminaire	1	None	Aluminum	Tenon Adaptor	3.20	68	D1	J4	SSA/SSS	
		2 units @ 180°						6.40	136	D2			
	Tenon Mount	1 unit						3.76	74	PL or P5	ND	RTA/RTS	PL available 3.0 O.D., RTA Pole Top Only
		2 units @ 180°						6.96	148				
LS 12" Arm	Drill Pattern	1 unit	Included w/ Luminaire	1	None	Aluminum	Tenon Adaptor	3.58	70	D1	J4	SSA/SSS	
		2 units @ 180°						7.16	139	D2			
		2 units @ 90°						5.82	139	D5			
		3 units @ 90°						9.40	208	D3			
		4 units @ 90°						11.64	277	D4			
		1 unit						4.14	78	PL or P5	ND	RTA/RTS	PL available 3.0 O.D., RTA Pole Top Only
	Tenon Mount	2 units @ 180°						7.72	151				
		2 units @ 90°						6.38	151				
		3 units @ 90°						9.96	226				
		4 units @ 90°						12.20	301				
		1 unit						4.14	78				

NOTES:

- To Specify Aluminum Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), WH (White), UN (Natural)
- Shield EPA and Weight must be added to each luminaire. Handled through TSG Only.
- When selecting pole, use 0" vertical offset of EPA; For configurations with tenon adaptor, use 30" vertical offset of EPA.

Module 600®



MW															
10	9		8										2	3	1
Style	Configuration		Pole Mounting Requirements										Pole Top		Pole Description
			Qty.	Mounting Arm	Description		Qty.	Other	Description		EPA ^{1,2}	Weight	Style	Pattern	Type
No Arm	Drill Pattern	1 unit		None			1	09098-XX	Aluminum	Mounting Plate	2.08	65	D1	R2	SSA/SSS
		2 units @ 180°					2				2.96	130	D2		
Arm	Drill Pattern	2 units @ 90°	2	09104-XX	Aluminum Extrusion	Bolt On Arm		None			3.97	134	D5	R2	SSA/SSS
		3 units @ 90°	3								5.86	201	D3		
		4 units @ 90°	4								5.04	268	D4		

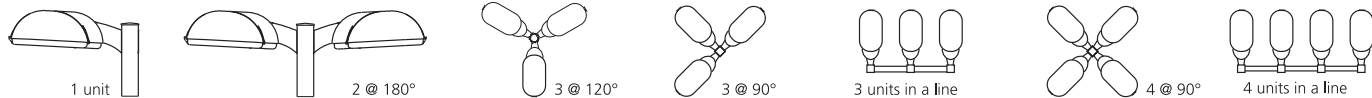
NOTES:

- To Specify Aluminum Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), WH (White), UN (Natural)
- Shield EPA and Weight must be added to each luminaire. Handled through TSG Only.
- When selecting pole, use 0" vertical offset of EPA.

POLE SELECTION GUIDE

Mongoose®

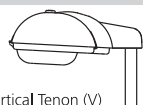
Ordering Information Sequence		
1	Base Pole	(Pole Specification Sheet)
2	Pole Top Style	(Pole Mounting Selection Guide)
3	Pole Top Drill Pattern	(Pole Mounting Selection Guide)
4	Finish	(Pole Specification Sheet)
5	Options if Required	(Pole Specification Sheet)
6	Anchor Bolt	(Pole Specification Sheet)
7	Template	(Pole Specification Sheet)
8	Luminaire Arm if Required	(Pole Mounting Selection Guide)
9	Tenon Adaptor if Required	(Pole Specification Sheet)
10	Luminaire	(Luminaire section)



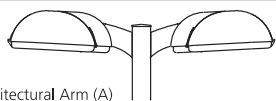
G													
10	9		8						2	3	1		
Style	Configuration		Pole Mounting Requirements						Pole Top		Pole Description		
			Mounting Arm	Qty.	Other ^{1,2}	Description	EPA ^{3,4}	Weight	Style	Pattern	Type	Rules	
A Architectural Arm	Drill Pattern	1 unit	Included w/ Luminaire	1	None		2.05	50	D1	R3	SSA/SSS	Available 5" and 6" Square Poles Only	
		2 units @ 180º					4.10	100	D2				
		2 units @ 90º					3.84	100	D5				
		3 units @ 90º					5.89	150	D3				
		4 units @ 90º					7.68	200	D4				
	Pole Tenon	1 unit	09237-1-XX	Aluminum	Tenon Adaptor	2.54	59	P2	ND	RTA/RTS			
		2 units @ 180º	09237-2-XX			4.59	109						
		2 units @ 90º	09237-2L-XX			4.33	109						
		3 units @ 90º	09237-3-XX			6.38	159						
		4 units @ 90º	09237-4-XX			8.17	209						
H Horizontal Arm	Pole Tenon	1 unit	Included w/ Luminaire	1	BR-1055-XX	Steel Round	Tenon Mount Arm	2.40	57	P2	ND	RTS	
		2 units @ 180º			BR-1056-XX			4.58	109				
		3 units @ 120º			BR-1057-XX			6.58	162				
		4 units @ 90º			BR-1058-XX			8.16	214				
		1 unit			BR-1060-XX	Aluminum Round		2.71	57	PL		RTA	
		2 units @ 180º			BR-1064-XX			4.88	109				
		3 units @ 120º			BR-1068-XX			6.88	162				
		4 units @ 90º			BR-1072-XX			8.46	214				
		1 unit			BR-1061-XX			2.71	57	PL or P4			
		2 units @ 180º			BR-1065-XX			4.88	109				
		3 units @ 120º			BR-1069-XX			6.88	56				
		4 units @ 90º			BR-1073-XX			8.46	214				
		1 unit			BR-1062-XX			2.71	57	PL			
		2 units @ 180º			BR-1066-XX			4.88	109				
		3 units @ 120º			BR-1070-XX			6.88	162				
		4 units @ 90º			BR-1074-XX			8.46	214				
		1 unit			BR-1063-XX			2.71	57				
		2 units @ 180º			BR-1067-XX			4.88	109				
		3 units @ 120º			BR-1071-XX			6.88	162				
		4 units @ 90º			BR-1075-XX			8.46	214				

NOTES:

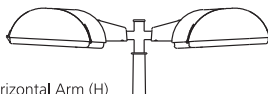
1. To Specify Aluminum Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), WH (White), UN (Natural)
2. Shield EPA and Weight must be added to each luminaire. Handled through TSG Only.
3. When selecting pole, use 0" vertical offset of EPA.



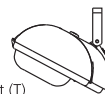
Vertical Tenon (V)



Architectural Arm (A)



Horizontal Arm (H)



Yoke Mount (T)

G (Continued)

10	9		8							2	3	1	
Style	Configuration		Pole Mounting Requirements							Pole Top		Pole Description	
			Mounting Arm	Qty.	Other ^{1,2}	Description		EPA ^{3,4}	Weight	Style	Pattern	Type	Rules
V Vertical Arm	Pole Tenon	1 unit	Included w/ Luminaire	1	None			2.05	50	P2	ND	RTS/RTS/SSA/SSS	
		2 units @ 180°			BKT-18-XX	Steel Round	Tenon Mount Arm	5.31	120			RTS	
		3 units in Line			BKT-20-XX			8.03	181				
		4 units in Line			BKT-24-XX			10.94	244				
	Drill Pattern	2 units @ 180°			BR-1076-XX	Aluminum Square	Square Post Top Arm	6.31	121	D4	K8	SSA	Available 5" Square x .188 Wall Pole Only
		3 units in Line			BR-1079-XX			9.36	182				Available 6" Square x .188 Wall Pole Only
		4 units in Line			BR-1082-XX			12.71	244				
		2 units @ 180°			BR-1077-XX			6.46	121				
		3 units in Line			BR-1080-XX			9.48	182				
		4 units in Line			BR-1083-XX			12.82	244				
		2 units @ 180°			BR-1078-XX			6.46	121				
		3 units in Line			BR-1081-XX			9.48	182				
		4 units in Line			BR-1084-XX			12.82	244				
	Pole Tenon	2 units @ 180°			BR-944	Aluminum Round	Tenon Mount Arm	5.66	121	PL	ND	RTA	PL available 3.0 O.D., RTA Pole Top Only
		3 units in Line			BR-1085			8.44	182				PL or P4
		4 units in Line			BR-1086			11.37	244				
		2 units @ 180°			BR-898			5.66	121				
		3 units in Line			BR-904			8.44	182	PL or P4			
		4 units in Line			BR-945			11.37	244				
		2 units @ 180°			BR-899			5.66	121				PL available 4.5 O.D., RTA Pole Top Only
		3 units in Line			BR-905			8.44	182				
		4 units in Line			BR-946			11.37	244	PL			
		2 units @ 180°			BR-900			5.66	121				PL available 6.0 O.D., RTA Pole Top Only
		3 units in Line			BR-906			8.44	182				
		4 units in Line			BR-947			11.37	244				

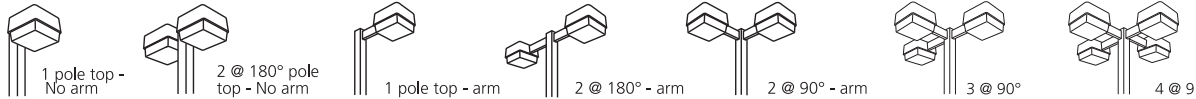
NOTES:

- To Specify Aluminum Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), WH (White), UN (Natural)
- To Specify Steel Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), HG (Hot Dip Galvanized), PP (Prime Paint)
- Shield EPA and Weight must be added to each luminaire. Handled through TSG Only.
- When selecting pole, use 30" vertical offset of EPA; Mongoose on Architectural Arm with Drill Pattern use 0" vertical offset of EPA.

Ordering Information Sequence		
1	Base Pole	(Pole Specification Sheet)
2	Pole Top Style	(Pole Mounting Selection Guide)
3	Pole Top Drill Pattern	(Pole Mounting Selection Guide)
4	Finish	(Pole Specification Sheet)
5	Options if Required	(Pole Specification Sheet)
6	Anchor Bolt	(Pole Specification Sheet)
7	Template	(Pole Specification Sheet)
8	Luminaire Arm if Required	(Pole Mounting Selection Guide)
9	Tenon Adaptor if Required	(Pole Specification Sheet)
10	Luminaire	(Luminaire section)

POLE SELECTION GUIDE

Parkpak®

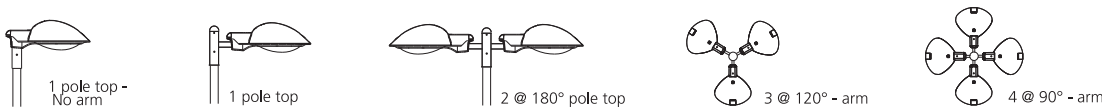


PK													
10	9		8						2	3	1		
Style	Configuration		Pole Mounting Requirements						Pole Top		Pole Description		
			Qty.	Mounting Arm ¹	Description		Other	EPA ^{2,3}	Weight	Style	Pattern	Type	
H Horizontal No Arm	Drill Pattern	1 unit		None			None	.95	20	D1	H1	SSA/SSS	
		2 units @ 180°						1.90	40	D2			
H Horizontal with Arm	Drill Pattern	1 unit	1	PARKBA4XX	Aluminum Extrusion	Bolt On Arm	None	1.36	23	D1	H3	SSA/SSS	
		2 units @ 180°						2	2.72	46			D2
		2 units @ 90°						2	2.31	46			D5
		3 units @ 90°						3	3.67	69			D3
		4 units @ 90°						4	4.62	92			D4

NOTES:

- To Specify Aluminum Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), WH (White)
- Shield EPA and Weight must be added to each luminaire. Handled through TSG Only.
- When selecting pole, use 0" vertical offset of EPA.

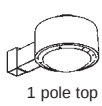
Pechina™



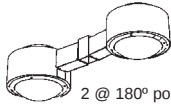
P													
10	9		8						2	3	1		
Style	Configuration		Pole Mounting Requirements						Pole Top		Pole Description		
			Qty.	Mounting Arm ^{1,2}	Description	Other	EPA ^{3,4}	Weight	Style	Pattern	Type	Rules	
P Steel Arm	Pole Tenon	1 unit	None				None	.80	55	P6	ND	RTA/RTS	
	Horizontal	1 unit	1	ARM-150-XX	Steel Round	Tenon Mount Arm	None	.80	55	P2	ND	RTS	
		2 units @ 180°	1	ARM-151-XX				2.48	125				
		3 units @ 120°	1	ARM-152-XX				3.18	185				
		4 units @ 90°	1	ARM-153-XX				4.08	245				
	P Aluminum Arm	Pole Tenon	2 units @ 180°	1	BR-952-XX	Aluminum Round	Tenon Mount Arm	None	2.63	117	PL	ND	RTA
3 units @ 120°			1	BR-953-XX	3.34				173				
4 units @ 90°			1	BR-954-XX	4.29				231	PL available 6.0 O.D., RTA Pole Top Only			

NOTES:

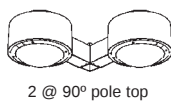
- To Specify Aluminum Finish, "XX" = BD (Dark Blue), BK (Black), BM (Brown Metallic), BZ (Bronze), GH (Graphite), GN (Green), GR (Gray), WH (White), UN (Natural)
- To Specify Steel Finish, "XX" = BD (Dark Blue), BK (Black), BM (Brown Metallic), BZ (Bronze), GH (Graphite), GN (Green), GR (Gray), WH (White), HG (Hot Dip Galvanized), PP (Prime Paint)
- Shield EPA and Weight must be added to each luminaire. Handled through TSG Only.
- When selecting pole, use 30" vertical offset of EPA.



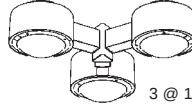
1 pole top



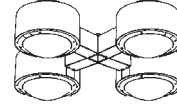
2 @ 180° pole top



2 @ 90° pole top



3 @ 120° pole top



4 @ 90° pole top

PTA4 Medium														
10	9		8								2	3	1	
Style	Configuration		Pole Mounting Requirements				F Octal	R Round	S Soft Square	Weight	Pole Top		Pole Description	
			Mounting Arm	Qty.	Other ^{1,3}	Description	EPA ^{2,4}	EPA ^{2,4}	EPA ^{2,4}		Style	Pattern	Type	Rules
P Post Top	Pole Tenon	Post Top	Included with Luminaire		None		3.95	2.94	3.92	85	P2	ND	RTA/RTS SSA/SSS	
A Arched Arm (Solid)	Pole Tenon	1 unit	Included with Luminaire	1	09213-1-XX	Aluminum Tenon Adaptor	4.37	3.36	4.34	94	P2	ND	RTA/RTS	
		2 units @ 180			09213-2-XX		8.25	6.23	8.19	179				
		2 units @ 90			09213-2L-XX		6.63	4.61	6.57	179				
		3 units @ 90			09213-3-XX		10.51	7.48	10.42	264				
		3 units @ 120			09220-3-XX	Triangular Tenon Adaptor	11.16	7.65	10.33	264			RTA/RTS SSA/SSS	
		4 units @ 90			09213-4-XX	Tenon Adaptor	12.77	8.73	12.65	349			RTA/RTS	
	Drill Pattern	1 unit	Included with Luminaire	1	09212	Steel Strain Relief	3.88	2.87	3.85	85	D1	T3	SSA/SSS	Available 5" and 6" Square Poles Only
		2 units @ 180					7.76	5.74	7.70	170	D2			
		2 units @ 90					6.14	4.12	6.08	170	D5			
		3 units @ 90					10.02	6.99	9.93	255	D3			
		4 units @ 90					12.28	8.24	12.16	340	D4			
H Arched Arm (Hole)	Pole Tenon	1 unit	Included with Luminaire	1	09213-1-XX	Aluminum Tenon Adaptor	4.18	3.17	4.15	94	P2	ND	RTA/RTS	
		2 units @ 180			09213-2-XX		7.87	5.85	7.81	179				
		2 units @ 90			09213-2L-XX		6.44	4.42	6.38	179				
		3 units @ 90			09213-3-XX		10.13	7.10	10.04	264				
		3 units @ 120			09220-3-XX	Triangular Tenon Adaptor	10.92	7.41	10.09	264			RTA/RTS SSA/SSS	
		4 units @ 90			09213-4-XX	Tenon Adaptor	12.39	8.35	12.27	349			RTA/RTS	
	Drill Pattern	1 unit	Included with Luminaire	1	09212	Steel Strain Relief	3.69	2.68	3.66	85	D1	T3	SSA/SSS	Available 5" and 6" Square Poles Only
		2 units @ 180					7.38	5.36	7.32	170	D2			
		2 units @ 90					5.95	3.93	5.89	170	D5			
		3 units @ 90					9.64	6.61	9.55	255	D3			
		4 units @ 90					11.90	7.86	11.78	340	D4			
L Linear Arm	Pole Tenon	1 unit	Included with Luminaire	1	09214-1-XX	Aluminum Tenon Adaptor	3.25	2.24	3.22	88	P2	ND	RTA/RTS	
		2 units @ 180			09214-2-XX		6.18	4.16	6.12	168				
		2 units @ 90			09214-2L-XX		5.51	3.49	5.45	168				
		3 units @ 90			09214-3-XX		8.44	5.41	8.35	248				
		3 units @ 120			09220-3-XX	Triangular Tenon Adaptor	9.08	5.57	8.25	248			RTA/RTS SSA/SSS	
		4 units @ 90			09214-4-XX	Tenon Adaptor	10.70	6.66	10.58	328			RTA/RTS	
	Drill Pattern	1 unit	Included with Luminaire	1	09212	Steel Strain Relief	2.93	1.92	2.90	80	D1	T3	SSA/SSS	Available 5" and 6" Square Poles Only
		2 units @ 180					5.86	3.84	5.80	160	D2			
		2 units @ 90					5.19	3.17	5.13	160	D5			
		3 units @ 90					8.12	5.09	8.03	240	D3			
		4 units @ 90					10.38	6.34	10.26	320	D4			

NOTES:

- To Specify Aluminum Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), WH (White), UN (Natural)
- Shield EPA and Weight must be added to each luminaire. Handled through TSG Only.
- Tenon Adaptor and Strain Relief can be used on aluminum or steel poles.
- When selecting pole, use 30" vertical offset of EPA; Configurations on L, Linear Arm, with Strain Relief use 0" vertical offset of EPA.

POLE SELECTION GUIDE

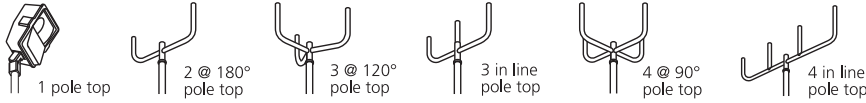
PoleStar® II

Ordering Information Sequence		
1	Base Pole	(Pole Specification Sheet)
2	Pole Top Style	(Pole Mounting Selection Guide)
3	Pole Top Drill Pattern	(Pole Mounting Selection Guide)
4	Finish	(Pole Specification Sheet)
5	Options if Required	(Pole Specification Sheet)
6	Anchor Bolt	(Pole Specification Sheet)
7	Template	(Pole Specification Sheet)
8	Luminaire Arm if Required	(Pole Mounting Selection Guide)
9	Tenon Adaptor if Required	(Pole Specification Sheet)
10	Luminaire	(Luminaire section)

PTA5 Large														
10	9		8								2	3	1	
Style	Configuration		Pole Mounting Requirements				F Octal EPA ^{1,4}	R Round EPA ^{2,4}	S Soft Square EPA ^{3,4}	Weight	Pole Top		Pole Description	
			Mounting Arm	Qty.	Other1,3	Description					Style	Pattern	Type	Rules
P Post Top	Pole Tenon	Post Top	Included with Luminaire		None		3.95	3.56	5.04	85	P2	ND	RTA/RTS SSA/SSS	
A Arched Arm (Solid)	Pole Tenon	1 unit	Included with Luminaire	1	09213-1-XX	Aluminum Tenon Adaptor	4.37	3.98	5.46	104	P2	ND	RTA/RTS SSA/SSS	
		2 units @ 180			09213-2-XX		8.25	7.47	10.43	199				
		2 units @ 90			09213-2L-XX		6.63	5.85	8.81	199				
		3 units @ 90			09213-3-XX		10.51	9.34	13.78	294				
		3 units @ 120			09220-3-XX	Triangular Tenon Adaptor	11.16	9.51	13.57	294			RTA/RTS SSA/SSS	
		4 units @ 90			09213-4-XX	Tenon Adaptor	12.77	11.21	17.13	389			RTA/RTS	
	Drill Pattern	1 unit			09212	Steel Strain Relief	3.88	3.49	4.97	95	D1	T3	SSA/SSS	Available 5" and 6" Square Poles Only
		2 units @ 180					7.76	6.98	9.94	190	D2			
		2 units @ 90					6.14	5.36	8.32	190	D5			
		3 units @ 90					10.02	8.85	13.29	285	D3			
		4 units @ 90					12.28	10.72	16.64	380	D4			
H Arched Arm (Hole)	Pole Tenon	1 unit	Included with Luminaire	1	09213-1-XX	Aluminum Tenon Adaptor	4.18	3.79	5.27	104	P2	ND	RTA/RTS SSA/SSS	
		2 units @ 180			09213-2-XX		7.87	7.09	10.05	199				
		2 units @ 90			09213-2L-XX		6.44	5.66	8.62	199				
		3 units @ 90			09213-3-XX		10.13	8.96	13.40	294				
		3 units @ 120			09220-3-XX	Triangular Tenon Adaptor	10.92	9.27	13.33	294			RTA/RTS SSA/SSS	
		4 units @ 90			09213-4-XX	Tenon Adaptor	12.39	10.83	16.75	389			RTA/RTS	
	Drill Pattern	1 unit			09212	Steel Strain Relief	3.69	3.30	4.78	95	D1	T3	SSA/SSS	Available 5" and 6" Square Poles Only
		2 units @ 180					7.38	6.60	9.56	190	D2			
		2 units @ 90					5.95	5.17	8.13	190	D5			
		3 units @ 90					9.64	8.47	12.91	285	D3			
		4 units @ 90					11.90	10.34	16.26	380	D4			
L Linear Arm	Pole Tenon	1 unit	Included with Luminaire	1	09214-1-XX	Aluminum Tenon Adaptor	3.42	3.03	4.51	98	P2	ND	RTA/RTS SSA/SSS	
		2 units @ 180			09214-2-XX		6.52	5.74	8.70	188				
		2 units @ 90			09214-2L-XX		5.68	4.90	7.86	188				
		3 units @ 90			09214-3-XX		8.78	7.61	12.05	278				
		3 units @ 120			09220-3-XX	Triangular Tenon Adaptor	9.40	7.75	11.81	278			RTA/RTS SSA/SSS	
		4 units @ 90			09214-4-XX	Tenon Adaptor	11.04	9.48	15.40	368			RTA/RTS	
	Drill Pattern	1 unit			09212	Steel Strain Relief	3.10	2.71	4.19	90	D1	T3	SSA/SSS	Available 5" and 6" Square Poles Only
		2 units @ 180					6.20	5.42	8.38	180	D2			
		2 units @ 90					5.36	4.58	7.54	180	D5			
		3 units @ 90					8.46	7.29	11.73	270	D3			
		4 units @ 90					10.72	9.16	15.08	360	D4			

NOTES:

1. To Specify Aluminum Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), WH (White), UN (Natural)
2. Shield EPA and Weight must be added to each luminaire. Handled through TSG Only.
3. Tenon Adaptor and Strain Relief can be used on aluminum or steel poles.
4. When selecting pole, use 30" vertical offset of EPA; Configurations on L, Linear Arm, with Strain Relief use 0" vertical offset of EPA.



PD Small																
10	9			8								2	3	1		
Style	Configuration		Pole Mounting Requirements										Pole Top		Pole Description	
			Qty.	Mounting Arm ^{1,2}	Description	Qty.	Other ¹	Description	EPA ^{1,2}	Weight	Style	Pattern	Type	Rules		
2" Knuckle Mount	Pole Tenon	1 unit	1	None				None		1.93	25	P2	ND	RTA/RTS/SSA/SSS		
		2 units @ 180		BKT-28-XX		5.59				70	SSA/SSS					
		3 units @ 120		BKT-29-XX		7.90				112						
		3 units in Line		BKT-33-XX		8.92				110						
		4 units @ 90		BKT-30-XX		10.03				150						
		4 units in Line		BKT-34-XX		12.24				151						
		Pole Tenon		2 units @ 180	1	ARM-88-XX				Steel Round	Tenon Mount Arm			None		
	3 units @ 120		ARM-91-XX	7.23		109										
	3 units in Line		ARM-89-XX	7.59		107										
	4 units @ 90		ARM-95-XX	9.29		144										
	4 units in Line		ARM-93-XX	10.36												
	Pole Tenon	2 units @ 180	1	BR-944-XX	Aluminum Round	Tenon Mount Arm	None		5.29	57	PL	ND	RTA	Pl. available 3.0 O.D., RTA Pole Top Only		
		2 units @ 180		BR-898-XX							PL or P4			Pl. available 4.0 O.D., RTA Pole Top Only		
				BR-899-XX							PL			Pl. available 4.5 O.D., RTA Pole Top Only		
		3 units @ 120		BR-901-XX							PL or P4			Pl. available 4.0 O.D., RTA Pole Top Only		
		3 units in Line		BR-902-XX					PL	Pl. available 4.5 O.D., RTA Pole Top Only						
				BR-904-XX					PL or P4	Pl. available 4.0 O.D., RTA Pole Top Only						
				BR-905-XX					PL	Pl. available 4.5 O.D., RTA Pole Top Only						
				BR-907-XX					PL or P4	Pl. available 4.0 O.D., RTA Pole Top Only						
		4 units @ 90		BR-908-XX					PL	Pl. available 4.5 O.D., RTA Pole Top Only						
				BR-945-XX					PL or P4	Pl. available 4.0 O.D., RTA Pole Top Only						
		4 units in Line		BR-946-XX					PL	Pl. available 4.5 O.D., RTA Pole Top Only						
				BR-947-XX					10.76	118	PL			Pl. available 4.0 O.D., RTA Pole Top Only		
									10.89					Pl. available 4.5 O.D., RTA Pole Top Only		
	Yoke Mount	Pole Tenon	1 unit	1	None			1	08657-XX	Aluminum	Yoke to Tenon Adaptor	1.60	25	P2	ND	RTA/RTS/SSA/SSS
2 units @ 180			BKT-28-XX			2	4.93	70			SSA/SSS					
3 units @ 120			BKT-29-XX			3	6.91	112								
3 units in Line			BKT-33-XX			3	7.93	110								
4 units @ 90			BKT-30-XX			4	8.71	150								
4 units in Line			BKT-34-XX			4	10.92	151								
Pole Tenon			2 units @ 180		1	ARM-88-XX	Steel Round	Tenon Mount Arm			08657-XX	Aluminum	Yoke to Tenon Adaptor			4.40
		3 units @ 120	ARM-91-XX			3			6.24	109						
		3 units in Line	ARM-89-XX			3			6.60	107						
		4 units @ 90	ARM-95-XX			4			7.97	144						
		4 units in Line	ARM-93-XX			4			9.04							

NOTES:

- To Specify Aluminum Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), WH (White), UN (Natural)
- To Specify Steel Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), HG (Hot Dip Galvanized), PP (Prime Paint)
- Shield EPA and Weight must be added to each luminaire. Handled through TSG Only.
- When selecting pole, use 30" vertical offset of EPA.

POLE SELECTION GUIDE

Predator®

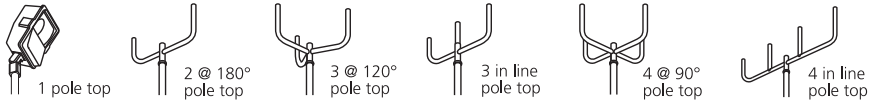
Ordering Information Sequence		
1	Base Pole	(Pole Specification Sheet)
2	Pole Top Style	(Pole Mounting Selection Guide)
3	Pole Top Drill Pattern	(Pole Mounting Selection Guide)
4	Finish	(Pole Specification Sheet)
5	Options if Required	(Pole Specification Sheet)
6	Anchor Bolt	(Pole Specification Sheet)
7	Template	(Pole Specification Sheet)
8	Luminaire Arm if Required	(Pole Mounting Selection Guide)
9	Tenon Adaptor if Required	(Pole Specification Sheet)
10	Luminaire	(Luminaire section)

PD | Small (continued)

10	9			8								2	3	1		
Style	Configuration		Pole Mounting Requirements								Pole Top		Pole Description			
			Qty.	Mounting Arm ^{1,2}	Description		Qty.	Other ¹	Description	EPA ^{1,2}	Weight	Style	Pattern	Type	Rules	
Yoke Mount	Pole Tenon	2 units @ 180	1	BR-944-XX	Aluminum Round	Tenon Mount Arm	2	08657-XX	Aluminum	Yoke to Tenon Adaptor	4.63	57	PL	ND	RTA	PL available 3.0 O.D., RTA Pole Top Only
		2 units @ 180		BR-898-XX									PL or P4			PL available 4.0 O.D., RTA Pole Top Only
		2 units @ 180		BR-899-XX									PL			PL available 4.5 O.D., RTA Pole Top Only
		3 units @ 120		BR-901-XX							6.59	88	PL or P4			PL available 4.0 O.D., RTA Pole Top Only
		3 units @ 120		BR-902-XX									PL			PL available 4.5 O.D., RTA Pole Top Only
		3 units in Line		BR-904-XX									PL or P4			PL available 4.0 O.D., RTA Pole Top Only
		3 units in Line		BR-905-XX							6.98	85	PL			PL available 4.5 O.D., RTA Pole Top Only
		4 units @ 90		BR-907-XX									PL or P4			PL available 4.0 O.D., RTA Pole Top Only
		4 units @ 90		BR-908-XX									PL			PL available 4.5 O.D., RTA Pole Top Only
		4 units in Line		BR-945-XX							8.31	115	PL or P4			PL available 4.0 O.D., RTA Pole Top Only
		4 units in Line		BR-946-XX									PL			PL available 4.5 O.D., RTA Pole Top Only
		4 units in Line		BR-947-XX									PL			PL available 4.0 O.D., RTA Pole Top Only
		4 units in Line									9.44	118	PL or P4			PL available 4.5 O.D., RTA Pole Top Only
		4 units in Line											PL			PL available 4.0 O.D., RTA Pole Top Only
		4 units in Line									9.57					PL available 6.0 O.D., RTA Pole Top Only

PF | Medium

10	9			8								2	3	1		
Style	Configuration		Pole Mounting Requirements										Pole Top		Pole Description	
			Qty.	Mounting Arm ^{1,2}	Description	Qty.	Other ¹	Description	EPA ^{3,4}	Weight	Style	Pattern	Type	Rules		
2" Knuckle Mount	Pole Tenon	1 unit	1	None			None			2.87	46	P2	ND	RTA/RTS/SSA/SSS		
		2 units @ 180		BKT-28-XX				7.47	112							
		3 units @ 120		BKT-29-XX				10.72	175							
		3 units in Line		BKT-33-XX				11.74	173							
		4 units @ 90		BKT-30-XX				13.79	234							
		4 units in Line		BKT-34-XX				16.00	235							
	Pole Tenon	2 units @ 180	1	ARM-88-XX	Steel Round	Tenon Mount Arm	None			6.94	113	P2	ND	RTS		
		3 units @ 120		ARM-91-XX				10.05	172							
		3 units in Line		ARM-89-XX				10.41	170							
		4 units @ 90		ARM-95-XX				13.05	228							
		4 units in Line		ARM-93-XX				14.12								
	Pole Tenon	2 units @ 180	1	BR-944-XX	Aluminum Round	Tenon Mount Arm	None		7.17	99	PL	ND	RTA	PL available 3.0 O.D., RTA Pole Top Only		
				BR-898-XX							PL or P4			PL available 4.0 O.D., RTA Pole Top Only		
				BR-899-XX							PL			PL available 4.5 O.D., RTA Pole Top Only		
		3 units @ 120		BR-901-XX					10.40	151	PL or P4			PL available 4.0 O.D., RTA Pole Top Only		
				BR-902-XX							PL			PL available 4.5 O.D., RTA Pole Top Only		
				BR-904-XX							PL or P4			PL available 4.0 O.D., RTA Pole Top Only		
		3 units in Line		BR-905-XX					10.79	148	PL			PL available 4.5 O.D., RTA Pole Top Only		
				BR-906-XX										PL available 4.0 O.D., RTA Pole Top Only		
				BR-907-XX										PL available 4.5 O.D., RTA Pole Top Only		
		4 units @ 90		BR-908-XX					13.39	199	PL			PL available 4.0 O.D., RTA Pole Top Only		
				BR-909-XX										PL available 4.5 O.D., RTA Pole Top Only		
				BR-945-XX										PL available 6.0 O.D., RTA Pole Top Only		
		4 units in Line		BR-946-XX					14.65	202	PL			PL available 4.0 O.D., RTA Pole Top Only		
BR-947-XX	PL available 4.5 O.D., RTA Pole Top Only															
	PL available 6.0 O.D., RTA Pole Top Only															
	PL available 6.0 O.D., RTA Pole Top Only															



PF | Medium (continued)

10	9	8								2	3	1	
Style	Configuration	Pole Mounting Requirements								Pole Top		Pole Description	
		Qty.	Mounting Arm ^{1,2}	Description	Qty.	Other ³	Description	EPA ^{1,2}	Weight	Style	Pattern	Type	Rules
Yoke Mount	1 unit		None		1			2.57	46			RTA/RTS/SSA/SSS	
	2 units @ 180		BKT-28-XX		2			6.87	112				
	3 units @ 120	1	BKT-29-XX	Steel Square	3	08657-XX	Aluminum Yoke to Tenon Adaptor	9.82	175	P2	ND	SSA/SSS	
	3 units in Line		BKT-33-XX		3			10.84	173				
	4 units @ 90		BKT-30-XX		4			12.59	234				
	4 units in Line		BKT-34-XX		4			14.80	235				
	2 units @ 180		ARM-88-XX		2			6.34	113				
	3 units @ 120	1	ARM-91-XX	Steel Round	3	08657-XX	Aluminum Yoke to Tenon Adaptor	9.15	172	P2	ND	RTS	
	3 units in Line		ARM-89-XX		3			9.51	170				
	4 units @ 90		ARM-95-XX		4			11.85	228				
	4 units in Line		ARM-93-XX		4			12.92					
	2 units @ 180		BR-944-XX		2			6.57	99				PL available 3.0 O.D., RTA Pole Top Only
			BR-898-XX										PL available 4.0 O.D., RTA Pole Top Only
			BR-899-XX										PL available 4.5 O.D., RTA Pole Top Only
	3 units @ 120		BR-901-XX		3	08657-XX	Aluminum Yoke to Tenon Adaptor	9.50	151				PL available 4.0 O.D., RTA Pole Top Only
			BR-902-XX										PL available 4.5 O.D., RTA Pole Top Only
			BR-904-XX					9.89	148				PL available 4.0 O.D., RTA Pole Top Only
	3 units in Line	1	BR-905-XX	Aluminum Round	3			10.00					PL available 4.5 O.D., RTA Pole Top Only
			BR-906-XX										PL available 6.0 O.D., RTA Pole Top Only
			BR-907-XX										PL available 4.0 O.D., RTA Pole Top Only
			BR-908-XX					12.19	199				PL available 4.5 O.D., RTA Pole Top Only
	4 units @ 90		BR-909-XX		4			12.32					PL available 6.0 O.D., RTA Pole Top Only
			BR-945-XX										PL available 4.0 O.D., RTA Pole Top Only
	4 units in Line		BR-946-XX					13.45	202				PL available 4.5 O.D., RTA Pole Top Only
			BR-947-XX										PL available 6.0 O.D., RTA Pole Top Only

NOTES:

1. To Specify Aluminum Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), WH (White), UN (Natural)
2. To Specify Steel Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), HG (Hot Dip Galvanized), PP (Prime Paint)
3. Shield EPA and Weight must be added to each luminaire. Handled through TSG Only.
4. When selecting pole, use 30" vertical offset of EPA.

POLE SELECTION GUIDE

Prismbeam® II

Ordering Information Sequence		
1	Base Pole	(Pole Specification Sheet)
2	Pole Top Style	(Pole Mounting Selection Guide)
3	Pole Top Drill Pattern	(Pole Mounting Selection Guide)
4	Finish	(Pole Specification Sheet)
5	Options if Required	(Pole Specification Sheet)
6	Anchor Bolt	(Pole Specification Sheet)
7	Template	(Pole Specification Sheet)
8	Luminaire Arm if Required	(Pole Mounting Selection Guide)
9	Tenon Adaptor if Required	(Pole Specification Sheet)
10	Luminaire	(Luminaire section)



1 pole top



2 @ 180° pole top



3 @ 120° pole top



3 in line pole top



4 @ 90° pole top



4 in line pole top

PB2																		
10	9			8								2	3	1				
Style	Configuration		Pole Mounting Requirements										Pole Top		Pole Description			
			Qty.	Mounting Arm ^{1,2}	Description	Qty.	Other ^{1,2}	Description	EPA ^{3,4}	Weight	Style	Pattern	Type	Rules				
Yoke Mount	Pole Tenon	1 unit	1	None	Aluminum Round	Tenon Mount Arm	08657-XX	Aluminum	Yoke to Tenon Adaptor	3.60	71	P2	ND	RTA/RTS				
		2 units @ 180		BR-898-XX						2	8.63	148		P4	RTA	PL available 4.5 O.D., RTA Pole Top Only		
				BR-899-XX							PL							
		3 units @ 120		BR-901-XX						3	12.59	223		P4			PL available 4.5 O.D., RTA Pole Top Only	
				BR-902-XX							PL			PL available 6.0 O.D., RTA Pole Top Only				
		3 units in Line		BR-903-XX						4	12.72	221		P4				
				BR-904-XX							PL					PL available 4.5 O.D., RTA Pole Top Only		
				BR-905-XX							PL					PL available 6.0 O.D., RTA Pole Top Only		
				BR-906-XX														
		4 units @ 90		BR-907-XX						4	16.31	295		P4			PL available 4.5 O.D., RTA Pole Top Only	
				BR-908-XX							PL			16.44			PL available 6.0 O.D., RTA Pole Top Only	
				BR-909-XX										17.44			PL available 4.5 O.D., RTA Pole Top Only	
				BR-912-XX										17.57		302		PL available 6.0 O.D., RTA Pole Top Only
				BR-913-XX														
	4 units in Line																	
		Pole Tenon	2 units @ 180	1	ARM-88-XX	Steel Round	Tenon Mount Arm	08657-XX	Aluminum	Yoke to Tenon Adaptor	8.40	163	P2	ND	RTS			
			3 units @ 120		ARM-91-XX						12.24	247						
			3 units in Line		ARM-89-XX						12.60	245						
			4 units @ 90		ARM-95-XX						15.97	328						
					ARM-96-XX						16.19	332	P4					
					ARM-93-XX						17.04	328	P2					
4 units in Line	ARM-94-XX		17.58		351						P4							

NOTES:

1. To Specify Aluminum Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), WH (White), UN (Natural)
2. To Specify Steel Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), HG (Hot Dip Galvanized), PP (Prime Paint)
3. Shield EPA and Weight must be added to each luminaire. Handled through TSG Only.
4. When selecting pole, use 30" vertical offset of EPA; For 1 unit configuration, use 0" vertical offset of EPA.



RPAK															
10		9			8						2	3	1		
Style		Configuration		Pole Mounting Requirements								Pole Top		Pole Description	
				Qty.	Mounting Arm ^{1,2}	Description		Other	EPA ^{1,2}	Weight	Style	Pattern	Type	Rules	
RPAK S Side Mount	Steel Arm	Pole Tenon	1 unit	ARM-150-XX	Steel Round	Tenon Mount Arm	None	1.80	61	P2	ND	RTS			
			2 units @ 180	ARM-151-XX				3.40	116						
			3 units @ 120	ARM-152-XX				4.56	173						
			4 units @ 90	ARM-153-XX				5.92	228						
	Aluminum Arm	Pole Tenon	1 unit	ARM-135-XX	Aluminum Round	Tenon Mount Arm	None	1.92	55	P3	ND	RTA			
			2 units @ 180	ARM-136-XX				3.53	108						
			3 units @ 120	ARM-137-XX				4.69	163						
			4 units @ 90	ARM-138-XX				6.05	216						
	Aluminum Upswept Arm	Pole Tenon	1 unit	BR-1209-1-XX	Aluminum Round, 45" Long	Tenon Mount Arm	None	3.06	52	PL	ND	RTA	4.50 O.D. at Top		
				BR-1210-1-XX	Aluminum Round, 68" Long			3.46	54				6.00 O.D. at Top		
				BR-1211-1-XX	Aluminum Round, 90" Long			4.46	58						
				BR-1212-1-XX	Aluminum Round, 45" Long			3.06	53						
				BR-1213-1-XX	Aluminum Round, 68" Long			3.56	55						
				BR-1214-1-XX	Aluminum Round, 90" Long			4.46	58						
			2 units @ 180	BR-1209-2-XX	Aluminum Round, 45" Long			6.12	102				4.50 O.D. at Top		
				BR-1210-2-XX	Aluminum Round, 68" Long			7.02	105						
				BR-1211-2-XX	Aluminum Round, 90" Long			8.72	113						
				BR-1212-2-XX	Aluminum Round, 45" Long			6.12	103						
				BR-1213-2-XX	Aluminum Round, 68" Long			7.02	106						
				BR-1214-2-XX	Aluminum Round, 90" Long			8.72	114				6.00 O.D. at Top		

NOTES:

- To Specify Aluminum Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), WH (White), UN (Natural)
- To Specify Steel Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), HG (Hot Dip Galvanized), PP (Prime Paint)
- When selecting pole, use 0" Vertical Offset of EPA.

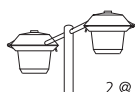
POLE SELECTION GUIDE

RSL-200®

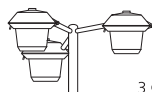
Ordering Information Sequence		
1	Base Pole	(Pole Specification Sheet)
2	Pole Top Style	(Pole Mounting Selection Guide)
3	Pole Top Drill Pattern	(Pole Mounting Selection Guide)
4	Finish	(Pole Specification Sheet)
5	Options if Required	(Pole Specification Sheet)
6	Anchor Bolt	(Pole Specification Sheet)
7	Template	(Pole Specification Sheet)
8	Luminaire Arm if Required	(Pole Mounting Selection Guide)
9	Tenon Adaptor if Required	(Pole Specification Sheet)
10	Luminaire	(Luminaire section)



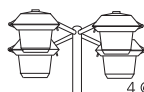
1 pole top - arm



2 @ 180° - arm



3 @ 120° - arm



4 @ 90° - arm



1 pole top upswept arm

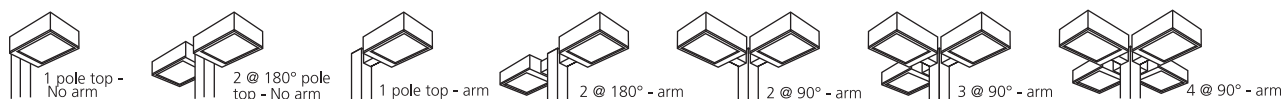


2 @ 180° upswept arm

RS2L															
10		9			8						2	3	1		
Style		Configuration		Pole Mounting Requirements								Pole Top		Pole Description	
				Qty.	Mounting Arm1,2	Description		Other	EPA1,2	Weight	Style	Pattern	Type	Rules	
RS2L S Side Mount	Steel Arm	Pole Tenon	1 unit	1	ARM-150-XX	Steel Round	Tenon Mount Arm	None	1.46	37	P2	ND	RTS		
			2 units @ 180		ARM-151-XX				2.72	69					
			3 units @ 120		ARM-152-XX				3.54	102					
			4 units @ 90		ARM-153-XX				4.56	134					
	Aluminum Arm	Pole Tenon	1 unit	1	ARM-135-XX	Aluminum Round	Tenon Mount Arm	None	1.58	31	P3	ND	RTA		
			2 units @ 180		ARM-136-XX				2.85	61					
			3 units @ 120		ARM-137-XX				3.67	92					
			4 units @ 90		ARM-138-XX				4.69	122					
	Aluminum Upswept Arm	Pole Tenon	1 unit	1	BR-1209-1-XX	Aluminum Round, 45" Long	Tenon Mount Arm	None	2.72	49	PL	ND	RTA	4.50 O.D. At Top	
					BR-1210-1-XX	Aluminum Round, 68" Long			3.22	51				6.00 O.D. At Top	
					BR-1211-1-XX	Aluminum Round, 90" Long			4.12	55					
					BR-1212-1-XX	Aluminum Round, 45" Long			2.72	50					
					BR-1213-1-XX	Aluminum Round, 68" Long			3.22	52					
					BR-1214-1-XX	Aluminum Round, 90" Long			4.12	55					
			2 units @ 180		BR-1209-2-XX	Aluminum Round, 45" Long			5.44	96					4.50 O.D. At Top
					BR-1210-2-XX	Aluminum Round, 68" Long			6.34	99					
					BR-1211-2-XX	Aluminum Round, 90" Long			8.04	107					
					BR-1212-2-XX	Aluminum Round, 45" Long			5.44	97				6.00 O.D. At Top	
					BR-1213-2-XX	Aluminum Round, 68" Long			6.34	100					
					BR-1214-2-XX	Aluminum Round, 90" Long			8.04	108					

NOTES:

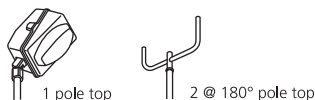
1. To Specify Aluminum Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), WH (White), UN (Natural)
2. To Specify Steel Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), HG (Hot Dip Galvanized), PP (Prime Paint)
3. When selecting pole, use 0" vertical offset of EPA.



SMST																	
10	9			8								2	3	1			
Style	Configuration		Pole Mounting Requirements									Pole Top			Pole Description		
			Qty.	Mounting Arm ^{1,2}	Description	Qty.	Other ^{1,2}	Description	EPA ^{3,4}	Weight	Style	Pattern	Type	Rules			
No Arm	Drill Pattern	1 unit					None			1.43	36	D1	R2	SSA/SSS	PL available 3.0 O.D., RTA Pole Top Only		
		2 units @ 180					None			2.86	72	D2					
	Pole Tenon	1 unit					1	09022-1-XX	Aluminum	Tenon Adaptor	1.99	43	PL or P5	ND		RTA/RTS	
		2 units @ 180						09022-2-XX			3.42	79					
Arm	Drill Pattern	1 unit	09103-XX	Aluminum Extrusion	Bolt On Arm	None			1.84	38	D1	R2	SSA/SSS				
		2 units @ 180							2	3.68	D2						
		2 units @ 90								2.84	D5						
		3 units @ 90								4.68	D3						
		4 units @ 90								4	3.86				152	D4	
Arm	Pole Tenon	1 unit	09103-XX	Aluminum Extrusion	Bolt On Arm	1	09022-1-XX	Aluminum	Tenon Adaptor	2.40	45	PL or P5	ND	RTA/RTS	PL available 3.0 O.D., RTA Pole Top Only		
		2 units @ 180					2			09022-2-XX	4.24					83	
		2 units @ 90								09022-2L-XX	3.40						
		3 units @ 90								09022-3-XX	5.24						121
		4 units @ 90								09022-4-XX	4.24						160

NOTES:

- To Specify Aluminum Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), WH (White), UN (Natural)
- Optional Photocontrol Receptacle: To specify photocontrol receptacle mounted on tenon adaptor for Round Poles, Add "R" to the 09022 adapter assembly. Ex. 09022-X-XX-R. For Square Poles, an optional photocontrol receptacle mounted on pole cap is available. Specify 09043-XX for 4", 09044-XX for 5" or 09045-XX for 6" Square Poles.
- Shield EPA and Weight must be added to each luminaire. Handled through TSG Only.
- When selecting pole, use 0" vertical offset of EPA; For configurations with tenon adaptor, use 30" vertical offset of EPA.

Vector[®]

HL2A																
10	9			8									2	3	1	
Style	Configuration		Pole Mounting Requirements										Pole Top		Pole Description	
			Qty.	Mounting Arm ^{1,2}		Description		Qty.	Other ¹	Description		EPA ^{3,4}	Weight	Style	Pattern	Type
2" Knuckle	Pole Tenon	1 unit	1	None				None		2.87	53	P2	ND	RTA/RTS		
		2 units @ 180		BR-898-XX	Aluminum Round	Tenon Mount Arm			7.17	127	PL or P4	RTA		Pl. available 4.0 O.D., RTA Pole Top Only		
				BR-899-XX					PL			Pl. available 4.5 O.D., RTA Pole Top Only				
				ARM-88-XX					Steel Round		6.94	P2		RTS		
4" Knuckle	Pole Tenon	1 unit		None				None		2.87	53	P4	ND	RTA/RTS		
Yoke Mount	Pole Tenon	1 unit	1	None			1	08657-XX	Aluminum	Tenon Adaptor	2.71	53	P2	ND	RTA/RTS	
		2 units @ 180		BR-898-XX	Aluminum Round	Tenon Mount Arm					6.85	127	PL or P4		RTA	Pl. available 4.0 O.D., RTA Pole Top Only
				BR-899-XX							PL					Pl. available 4.5 O.D., RTA Pole Top Only
				ARM-88-XX							Steel Round		6.62			P2

NOTES:

- To Specify Aluminum Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), WH (White), UN (Natural)
- To Specify Steel Finish, "XX" = BK (Black), BZ (Bronze), GR (Gray), GN (Green), HG (Hot Dip Galvanized), PP (Prime Paint)
- Shield EPA and Weight must be added to each luminaire. Handled through TSG Only.
- When selecting pole, use 30" vertical offset of EPA.

POLE SELECTION GUIDE

Urban Series PUR

The Urban Series pole is designed to give customers an alternative, modern choice for poles for horizontal mounted fixtures. The Urban Series poles are constructed from either galvanized steel or stainless 201L grade and are available with clear coat or painted finish. They are available in single and twin mounting options.

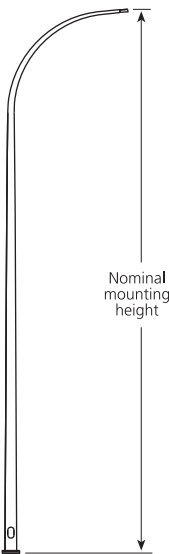
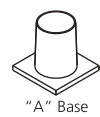
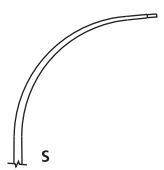
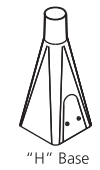
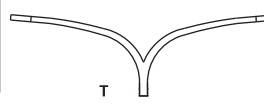
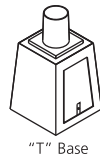
Typical applications will include municipal streetscapes, commercial office and retail, as well as schools and universities.

FEATURES:

- Round and octagonal tapered shafts available in 25', 30' and 35' mounting heights
- Multiple color choices
- Lightweight and durable
- Unique "H" base style

Example: PUR 25 R A S 6 SF 1

How to Construct a Catalog Number:

PUR		25		R		A		S	
1		2		3		4		5	
POLE STYLE		POLE/MTG. HEIGHT		SHAFT STYLE		POLE BASE		ARM STYLE	
PUR	Urban Series - Steel	Pole Ht	Mtg Ht	R	Round	A	Anchor	S	Single
		25	25'	O	Octagonal	T	Transformer	T	Twin
		30	30'			H	Custom Tapered		
		35	35'						
									
									
									



6

SF

1

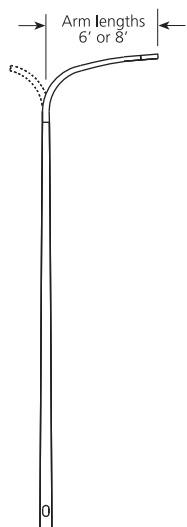
6

7

8

ARM LENGTH

- 6** 6'
- 8** 8'



POLE FINISH

- SF** Stainless Steel with Frosted Finish
- SC** Stainless Steel with Clear Coat
- HD** Hot Dipped Galvanized Steel
- BD** Dark Blue
- BK** Black
- BM** Brown Metallic
- BZ** Bronze
- GH** Graphite
- GN** Green
- GR** Gray
- WH** White
- AS** As specified

OPTIONS

- 1** Festoon Box
- 2** Banner Arms (Steel Only)
- 3** Flag Pole Holder (Steel Only)

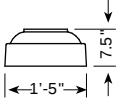
POLE SELECTION GUIDE

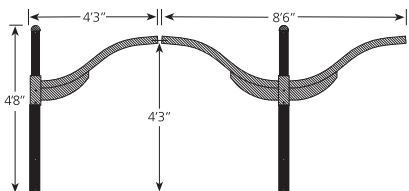
Revitalization Series

RA

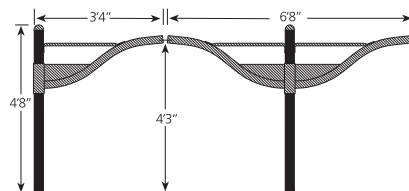
Example: RA 12 R 6 B 1 B ES3 B Z G 1

How to Construct a Catalog Number:

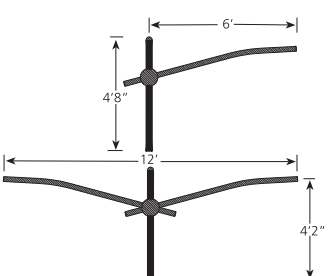
1		2		3		4		5		6	
POLE STYLE		POLE/MTG. HEIGHT		SHAFT STYLE		POLE BASE		POLE FINISH		BASE TYPE	
RA	Revitalization Series - Aluminum	Pole Ht	Mtg Ht	R	Round smooth	6	6" (12', 14' and 16' pole heights)	B	Black	1 Low Renaissance	
		<u>ES3, ET3 PS3, PT3, P2T, P3T</u>		F	16 flat flute	7	7" (16' and 18' pole heights)	Z	Bronze		
		12	12'	S	16 sharp flute			N	Green		
		14	14'	C	8 sharp flute			W	White		
		16	16'					G	Gray		
		18	18'					U	Burgundy		
		<u>WS6, WT6, CS3, CT3</u>						L	Silver		
		12	12'					D	Sandstone		
		14	14'					A	As specified		
		16	16'								
		18	18'								
		<u>LS2, LT2</u>									
		12	12'								
		14	14'								
		16	16'								
		18	18'								
		<u>AS2, AT2, VS5, VT5</u>									
		12	12'								
		14	14'								
		16	16'								
		18	18'								



ES3/ET3 | Piedmont



PS3/PT3 | Parkway



WS6/WT6 | Virginia

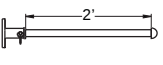
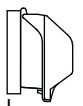
The Revitalization Pole Series is designed to give customers an alternate, modern choice for poles. The RA series poles and cross arms are constructed of aluminum. The poles can be used with many products from the Outdoor Product Group. A typical application matrix is included to help with product application of pendant, arm, or post-top luminaires. Typical applications will include Municipal Streetscapes, Commercial Office and Retail, as well as Schools and Universities.

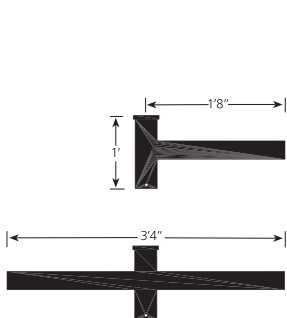
FEATURES:

- Contemporary pole/arm styles to compliment site architecture
- Multiple shaft options are available for each pole style
- Single and Twin cross arm styles
- Multiple color choices for base, shaft, vertical arm, and pole cap
- Six inch and seven inch pole base option
- Banner arm and receptacle option
- Tenon mount available for Post-top luminaires

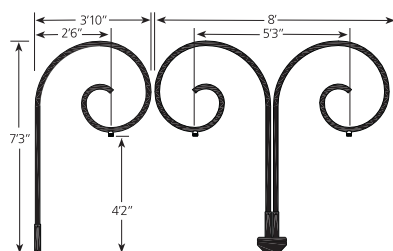
Revitalization Series (Aluminum) Poles are available with luminaire and fitter styles that are like the following examples:

	Pendant Mount		Arm and Pole Mount		Post-top Mount				Fitter Styles		
	Tear Drop	GlasWerks	Pechina	Mongoose	GranVille	Harp	Spheres	Dorchester	BHLF	GWLF	WLLF
Piedmont	•	•	•	•					•	•	•
Parkway	•	•	•	•					•	•	•
Virginia	•	•	•	•					•	•	•
Linear	•	•	•	•					•	•	•
Venice	•	•									
Tenon	•	•	•	•	•	•	•	•			

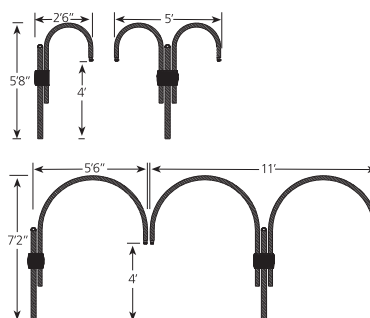
B 7		ES3 8		B 9		Z 10		G 11		1 12	
BASE FINISH		ARM STYLE		VERTICAL/ARM FINISH		ARM/HUB/CAP FINISH		RECEPTACLE		BANNER ARM	
B	Black	<u>Piedmont</u>		B	Black	<u>ES3, ET3 PS3, PT3,</u>		N	None	N	
Z	Bronze	ES3 Single 3'		Z	Bronze	<u>WS6, WT6, AS2, AT2,</u>		G	FG	1	
N	Green	ET3 Twin 3'		N	Green	<u>VS5, VT5, P2T, P3T,</u>		S	FGIUS	2	
W	White	<u>Parkway</u>		W	White	B		L	FGIUL	3	
G	Gray	PS3 Single 3'		G	Gray	Z				4	
U	Burgundy	PT3 Twin 3'		U	Burgundy	N					
L	Silver	<u>Virginia</u>		L	Silver	W					
D	Sandstone	WS6 Single 6'		D	Sandstone	G					
A	As specified	WT6 Twin 6'		A	As specified	U					
		<u>Linear</u>				L					
		LS2 Single 20"				D					
		LT2 Twin 20"				A					
		<u>Curl</u>									
		CS3 Single 3'									
		CT3 Twin 3'									
		<u>Venice</u>									
		AS2 Single 2'									
		AT2 Twin 2'									
		VS5 Single 5'									
		VT5 Twin 5'									
		<u>Tenon option</u>									
		P2T ø 2 3/8" x 4" tenon									
		P3T ø 3" x 3" tenon									



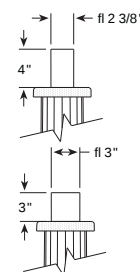
LS2/LT2 | Linear



CS3/CT3 | Curl



AS2/AT2/VS5/VT5 | Venice



P2T/P3T | Tenon

POLE SELECTION GUIDE

Revitalization Series

RS

Example: RS 12 R 6 B 1 ES3 B Z G 1

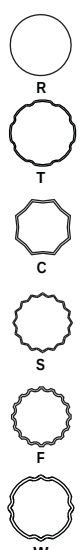
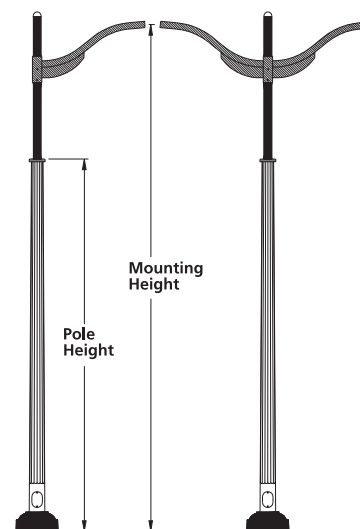
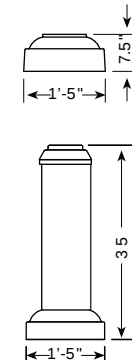
How to Construct a Catalog Number:

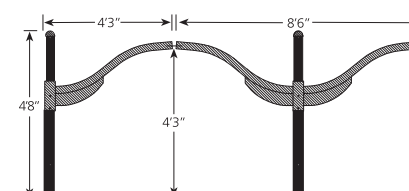
The Revitalization Pole Series is designed to give customers an alternate, modern choice for poles. The RS series poles and cross arms are constructed of steel. The poles can be used with many products from the Outdoor Product Group. A typical application matrix is included to help with product application of pendant, arm, or post-top luminaires.

Typical applications will include Municipal Streetscapes, Commercial Office and Retail, as well as Schools and Universities.

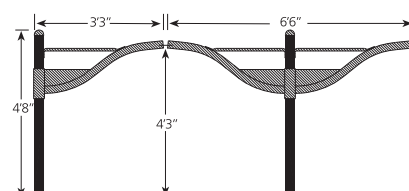
FEATURES:

- Contemporary pole/arm styles to compliment site architecture
- Multiple shaft options are available for each pole style
- Single and Twin cross arm styles
- Multiple color choices for base, shaft, vertical arm, and pole cap
- Multiple pole base diameter options
- Banner arm and receptacle option
- Tenon mount available for Post-top luminaires

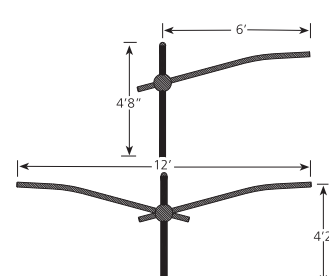
RS	12	R	6	B	1																																																																																																																									
1	2	3	4	5	6																																																																																																																									
POLE STYLE	POLE/MTG. HEIGHT	SHAFT STYLE	POLE BASE	POLE FINISH	BASE TYPE																																																																																																																									
RS Revitalization Series - Steel	<table><tr><th>Pole Ht</th><th>Mtg Ht</th></tr><tr><td colspan="2"><u>ES3, ET3 PS3, PT3,</u></td></tr><tr><td colspan="2"><u>P2T, P3T</u></td></tr><tr><td>12</td><td>12'</td><td>16'3"</td></tr><tr><td>14</td><td>14'</td><td>18'3"</td></tr><tr><td>16</td><td>16'</td><td>20'3"</td></tr><tr><td>18</td><td>18'</td><td>22'3"</td></tr><tr><td>20</td><td>20'</td><td>24'3"</td></tr><tr><td>25</td><td>25'</td><td>29'3"</td></tr><tr><td>30</td><td>30'</td><td>34'3"</td></tr><tr><td colspan="2"><u>WS6, WT6</u></td></tr><tr><td>12</td><td>12'</td><td>16'2"</td></tr><tr><td>14</td><td>14'</td><td>18'2"</td></tr><tr><td>16</td><td>16'</td><td>20'2"</td></tr><tr><td>18</td><td>18'</td><td>22'2"</td></tr><tr><td>20</td><td>20'</td><td>24'2"</td></tr><tr><td>25</td><td>25'</td><td>29'2"</td></tr><tr><td>30</td><td>30'</td><td>34'2"</td></tr><tr><td colspan="2"><u>LS1, LT1, LS3, LT3</u></td></tr><tr><td>12</td><td>12'</td><td>12'5"</td></tr><tr><td>14</td><td>14'</td><td>14'5"</td></tr><tr><td>16</td><td>16'</td><td>16'5"</td></tr><tr><td>18</td><td>18'</td><td>18'5"</td></tr><tr><td>20</td><td>20'</td><td>20'5"</td></tr><tr><td>25</td><td>25'</td><td>25'5"</td></tr><tr><td>30</td><td>30'</td><td>30'5"</td></tr><tr><td colspan="2"><u>AS2, AT2</u></td></tr><tr><td>12</td><td>12'</td><td>16'</td></tr><tr><td>14</td><td>14'</td><td>18'</td></tr><tr><td>16</td><td>16'</td><td>20'</td></tr><tr><td>18</td><td>18'</td><td>22'</td></tr><tr><td>20</td><td>20'</td><td>24'</td></tr><tr><td>25</td><td>25'</td><td>29'</td></tr><tr><td>30</td><td>30'</td><td>34'</td></tr></table>	Pole Ht	Mtg Ht	<u>ES3, ET3 PS3, PT3,</u>		<u>P2T, P3T</u>		12	12'	16'3"	14	14'	18'3"	16	16'	20'3"	18	18'	22'3"	20	20'	24'3"	25	25'	29'3"	30	30'	34'3"	<u>WS6, WT6</u>		12	12'	16'2"	14	14'	18'2"	16	16'	20'2"	18	18'	22'2"	20	20'	24'2"	25	25'	29'2"	30	30'	34'2"	<u>LS1, LT1, LS3, LT3</u>		12	12'	12'5"	14	14'	14'5"	16	16'	16'5"	18	18'	18'5"	20	20'	20'5"	25	25'	25'5"	30	30'	30'5"	<u>AS2, AT2</u>		12	12'	16'	14	14'	18'	16	16'	20'	18	18'	22'	20	20'	24'	25	25'	29'	30	30'	34'	<table><tr><th>Shaft Style</th></tr><tr><td>R Round smooth</td></tr><tr><td>T 8 flat flute</td></tr><tr><td>C 8 sharp flute</td></tr><tr><td>F 16 flat flute</td></tr><tr><td>S 16 sharp flute</td></tr><tr><td>W 4 wide flute</td></tr></table> 	Shaft Style	R Round smooth	T 8 flat flute	C 8 sharp flute	F 16 flat flute	S 16 sharp flute	W 4 wide flute	<table><tr><th>Pole Base</th></tr><tr><td>6 6" (12' and 14' pole heights)</td></tr><tr><td>7 7" (16' and 18' and 20' pole heights)</td></tr><tr><td>8 8" (25' pole heights)</td></tr><tr><td>9 9" (30' pole heights)</td></tr></table> 	Pole Base	6 6" (12' and 14' pole heights)	7 7" (16' and 18' and 20' pole heights)	8 8" (25' pole heights)	9 9" (30' pole heights)	<table><tr><th>Pole Finish</th></tr><tr><td>B Black</td></tr><tr><td>Z Bronze</td></tr><tr><td>N Green</td></tr><tr><td>W White</td></tr><tr><td>G Gray</td></tr><tr><td>U Burgundy</td></tr><tr><td>L Silver</td></tr><tr><td>D Sandstone</td></tr><tr><td>A As specified</td></tr></table>	Pole Finish	B Black	Z Bronze	N Green	W White	G Gray	U Burgundy	L Silver	D Sandstone	A As specified	<table><tr><th>Base Type</th></tr><tr><td>1 Low Renaissance</td></tr><tr><td>2 High Renaissance</td></tr></table> 	Base Type	1 Low Renaissance	2 High Renaissance
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ES3/ET3 | Piedmont



PS3/PT3 | Parkway

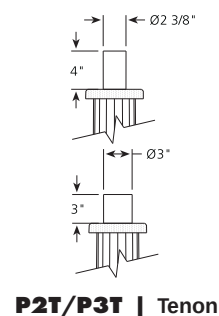
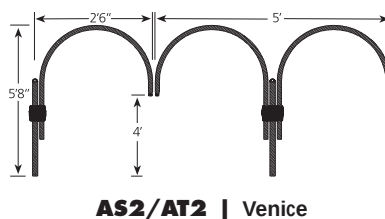
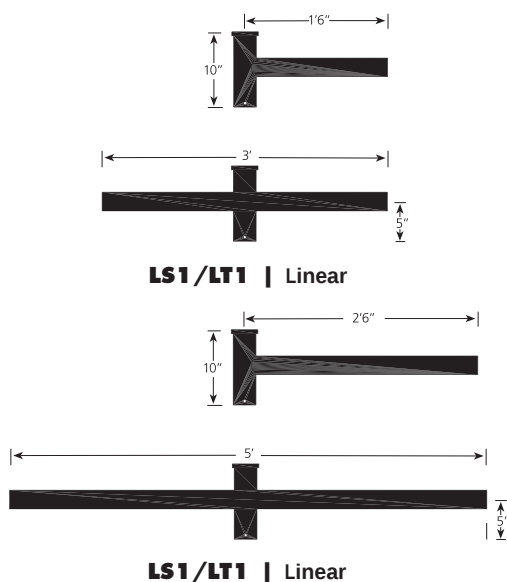


WS6/WT6 | Virginia

Revitalization Series (Steel) Poles are available with luminaire and fitter styles that are like the following examples:

	Pendant Mount		Arm and Pole Mount		Post-top Mount				Fitter Styles		
	Tear Drop	GlasWerks	Pechina	Mongoose	GranVille	Harp	Spheres	Dorchester	BHLF	GWLF	WLLF
Piedmont	•	•	•	•					•	•	•
Parkway	•	•	•	•					•	•	•
Virginia	•	•	•	•					•	•	•
Linear	•	•	•	•					•	•	•
Curl	•	•									
Venice	•	•									
Tenon	•	•	•	•	•	•	•	•			

B 7		ES3 8		B 9		Z 10		G 11		1 12	
BASE FINISH		ARM STYLE		VERTICAL/ARM FINISH		ARM/HUB/CAP FINISH		RECEPTACLE		BANNER ARM	
B	Black	<u>Piedmont</u>		B	Black	<u>ES3, ET3 PS3, PT3,</u>		N	None	N	None
Z	Bronze	<u>ES3</u> Single 3'		Z	Bronze	<u>WS6, WT6, AS2,</u>		G	FG	1	0°
N	Green	<u>ET3</u> Twin 3'		N	Green	<u>AT2, P2T, P3T,</u>		S	FGIUS	2	90°
W	White	<u>Parkway</u>		W	White			L	FGIUL	3	180°
G	Gray	<u>PS3</u> Single 3'		U	Burgundy	B	Black			4	270°
U	Burgundy	<u>PT3</u> Twin 3'		L	Silver	Z	Bronze				
L	Silver	<u>Virginia</u>		D	Sandstone	N	Green				
D	Sandstone	<u>WS6</u> Single 6'		A	As specified	W	White				
A	As specified	<u>WT6</u> Twin 6'				G	Gray				
		<u>Linear</u>				U	Burgundy				
		<u>LS1</u> Single 18"				L	Silver				
		<u>LT1</u> Twin 18"				D	Sandstone				
		<u>LS3</u> Single 30"				A	As specified				
		<u>LT3</u> Twin 30"									
		<u>Venice</u>									
		<u>AS2</u> Single 2'									
		<u>AT2</u> Twin 2'									
		<u>Tenon option</u>									
		<u>P2T</u> $\varnothing 2\frac{3}{8}" \times 4"$									
		tenon									
		<u>P3T</u> $\varnothing 3" \times 3"$									
		tenon									



Product Information Guide



Product Information Guide Index

Ballast Information Guide 246

Ballast Technology 247-249

Magnetic HID Ballasts

Magnetic HID Ballasts 250-251

High Pressure Sodium 252-255

Metal Halide and Pulse Start 256-263

Electronic HID Ballasts

Electronic HID 264-266

Product Offering

Introduction 267

Replacement Ballast Kits 268

Remote Indoor Ballast 272

Replacement Parts 274

Cross Reference Index 287

Prefix Index 303

Terms and Conditions 309

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.

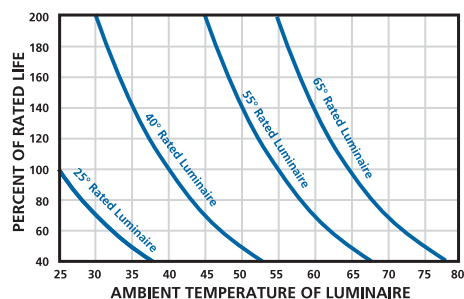


Figure 1: Probable life expectancy of integrally ballasted luminaires in associated ambients.

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.

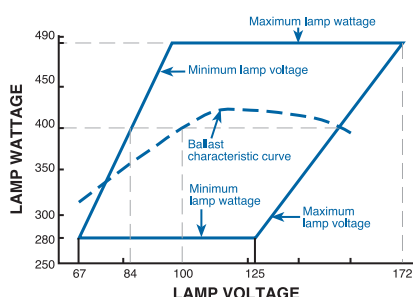


Figure 2: Typical trapezoid of 400W HPS

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.



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	$\pm 12\%$ @ $\pm 5\%$	$\pm 10\%$ @ $\pm 5\%$	$\pm 10\%$ @ $\pm 10\%$	$\pm 3\%$ @ $\pm 10\%$
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.



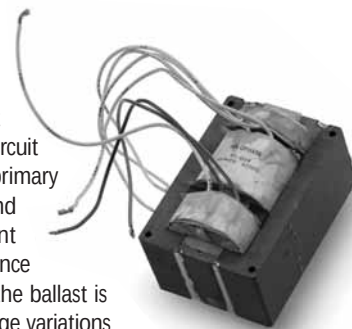
High Reactance Autotransformer (HX) — When the input voltage does not meet the starting and operating voltage requirements of an HID lamp, a high reactance autotransformer ballast can be used. In addition to limiting the current to the lamp, the ballast transforms the input voltage to the lamp's required 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 $\pm 10\%$ change in input voltage yields only a $\pm 3\%$ change in lamp wattage) but carries an increase in ballast size, ballast losses and price.



High Pressure Sodium

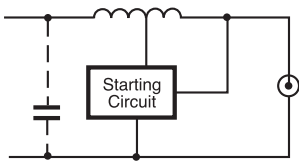
HPS lamps were developed and introduced as energy-efficient sources for exterior, security, and industrial lighting applications, and are particularly prevalent in street lighting applications. Due to their high efficiency and long life, today's HPS lamps are also suitable for many interior applications, 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.

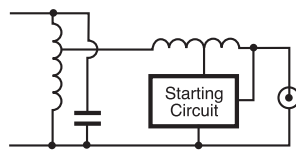


BALLAST TYPES:



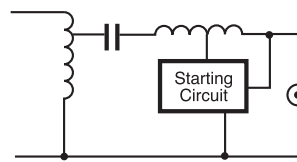
Reactor

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.



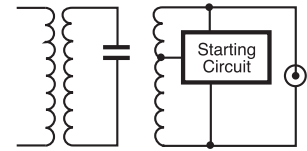
HX - High Reactance

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
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
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
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
	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
55V	R- Reactor	X		120	2.50	95	170	120	90% HPF	± 12%	- 40°F
	R- Reactor	X		120	2.50	95	170	120	90% HPF	± 12%	- 40°F
	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
150W 100V	R- Reactor	X		120	2.50	95	170	120	90% HPF	± 12%	- 40°F
	R- Reactor	X		120	2.50	95	170	120	90% HPF	± 12%	- 40°F
	HX – High Reactance		X	120	3.05	90	188	129	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
100V	R- Reactor	X		120	2.50	95	170	120	90% HPF	± 12%	- 40°F
	R- Reactor	X		120	2.50	95	170	120	90% HPF	± 12%	- 40°F
	HX – High Reactance		X	120	3.05	90	188	129	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
100V	R- Reactor	X		120	2.50	95	170	120	90% HPF	± 12%	- 40°F
	R- Reactor	X		120	2.50	95	170	120	90% HPF	± 12%	- 40°F
	HX – High Reactance		X	120	3.05	90	188	129	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

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 / 1070	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)

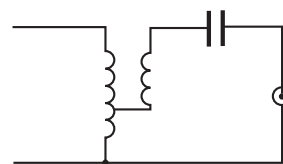
Traditional metal halide lamps (175-1000W) include an internal starting electrode, or 'probe' within the arc tube (which generates a slight flicker when the lamp is first turned on). When the lamp is 'turned on', a small arc is established between the starting electrode and the near-by operating electrode. 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.

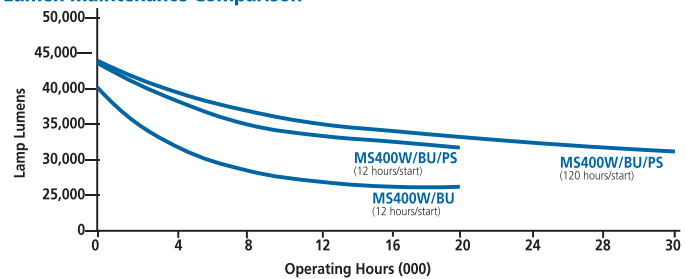
Lamp life

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

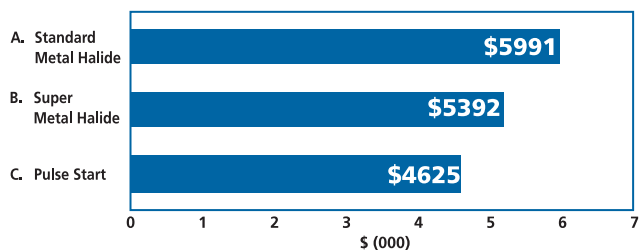
¹ Consult lamp manufactures specifications

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.

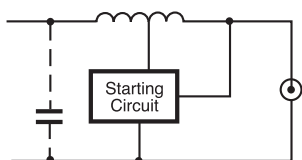


Pulse Start Metal Halide:

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.

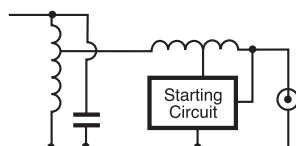


BALLAST TYPES:



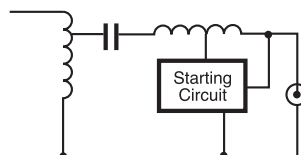
Reactor

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.



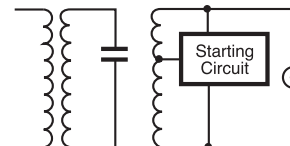
HX - High Reactance

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 X X X	120 208 240 277	1.16 .67 .57 .50	90 150 175 208	67 67 67 67	250 250 250 250	90% HPF 90% HPF 90% HPF 90% HPF	± 12% ± 12% ± 12% ± 12%	-20°F -20°F -20°F -20°F
70W (M98, M101 lamp)	HX – High Reactance		X X X X	120 208 240 277	1.80 1.04 .87 .78 / .78	90 150 175 208 / 208	95 95 95 95 / 95	278 278 278 278	90% HPF 90% HPF 90% HPF 90% HPF	± 12% ± 12% ± 12% ± 12%	-20°F -20°F -20°F -20°F
100W (M90, M92 lamp)	HX – High Reactance		X X X X	120 208 240 277	2.60 1.50 1.30 1.15 / 1.15	75 130 150 165 / 165	130 130 130 130 / 130	278 278 278 278	90% HPF 90% HPF 90% HPF 90% HPF	± 12% ± 12% ± 12% ± 12%	-20°F -20°F -20°F -20°F
150W (M102 lamp)	HX – High Reactance		X X X X	120 208 240 277	3.65 2.10 1.80 1.58	75 125 150 160	185 185 185 185	275 275 275 275	90% HPF 90% HPF 90% HPF 90% HPF	± 12% ± 12% ± 12% ± 12%	-20°F -20°F -20°F -20°F
		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
175W	CWA	X	X X X X	120 208 240 277 480	1.8 / 1.8 1.1 0.92 .80 / .80 .46	55 / 55 87 109 118/123 191	211 / 211 215 213 212 / 213 220	312 / 312 312 312 312 / 312 320	90% HPF 90% HPF 90% HPF 90% HPF 90% HPF	± 8.5% ± 8.5% ± 8.5% ± 8.5% ± 8.5%	-20°F -20°F -20°F -20°F -20°F
250W & 250W² Pulse Start	CWA	X	X X X X	120 208 240 277 480	2.62 / 2.62 1.51 1.31 1.14 / 1.14 .66	58/60 110 117 140/140 220	285 / 288 290 290 293 / 295 296	310 / 310 310 310 310 / 310 310	90% HPF 90% HPF 90% HPF 90% HPF 90% HPF	± 8% ± 8% ± 8% ± 8% ± 8%	-20°F -20°F -20°F -20°F -20°F
250W (Energy Saving)	CWA	X	X X X X	120 208 240 277 480	2.55 / 2.6 1.5 1.30 1.10 / 1.12 0.64	50/50 85 105 110/110 190	280 / 283 284 284 283 / 285 285	317 / 317 317 317 317 / 317 317	90% HPF 90% HPF 90% HPF 90% HPF 90% HPF	± 8% ± 8% ± 8% ± 8% ± 8%	-20°F -20°F -20°F -20°F -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.

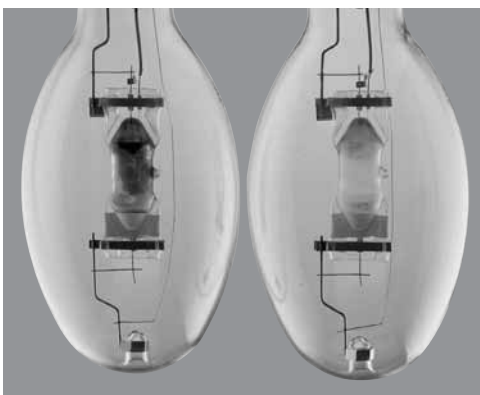
Electronic Metal Halide

Electronic HID Ballasts

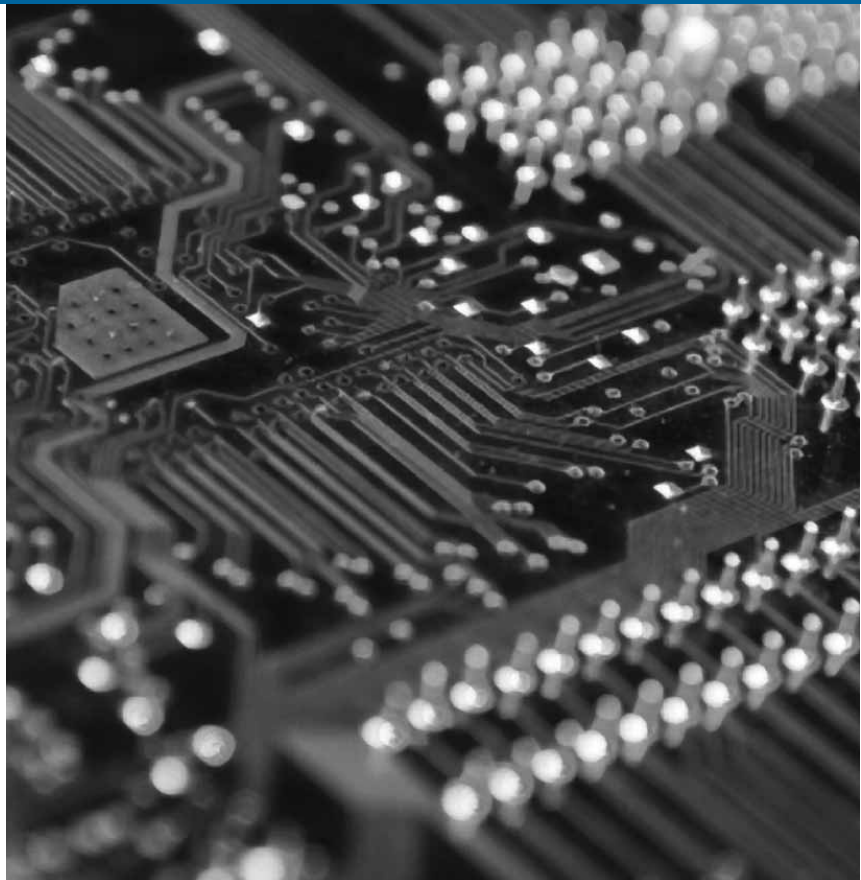
Electronic ballasts, commonly used in fluorescent lighting systems and low wattage HID systems, will now gain acceptance in medium wattage metal halide packages.

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.

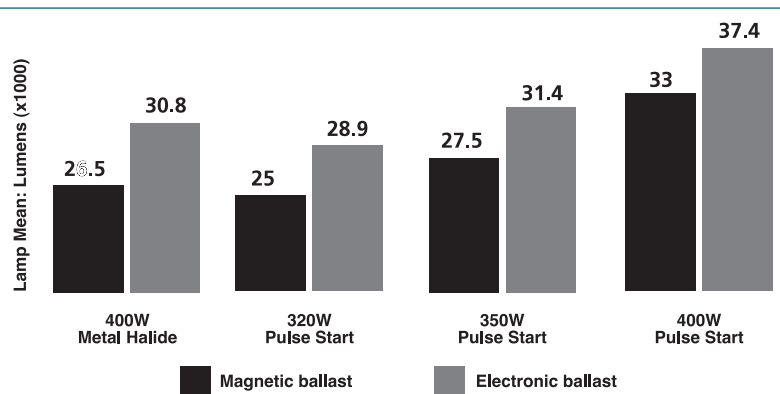
Improved lumen maintenance, or the ability to minimize light output depreciation, is the most fundamental benefit of electronic HID ballasts. With increased light output, either fewer fixtures or lower wattages can be utilized resulting in reduced installation costs, lower maintenance costs and more 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

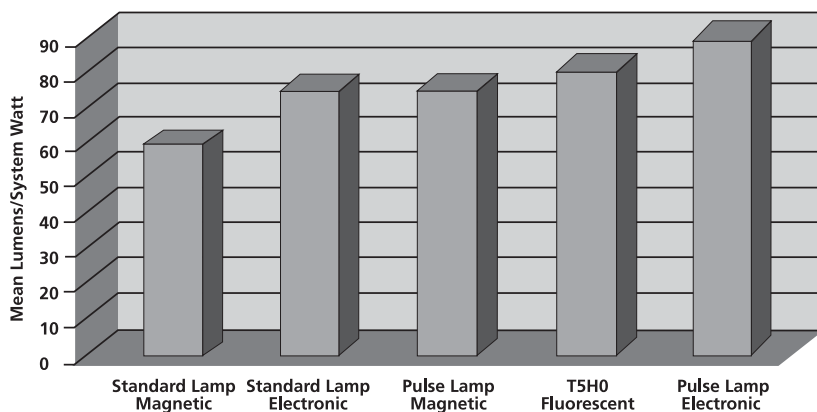
Electronic ballast technology improves lamp lumen depreciation in pulse start and standard metal halide lamps. Mean lumen output is increased by 15% on standard metal halide lamps and by 13% on pulse start lamps.

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	T5H0	400 PM
Lamp count	141	123	113	788	100
Lamp	MVR400/VBU/XHO	MVR400/VBU/XHO	MVR400/VBU/XHO/PA	F54W/T5/830/H0	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.....268-271



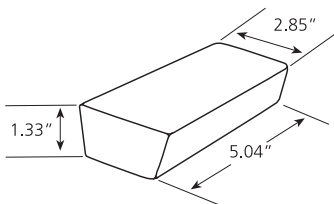
RR — Remote and Recessed Ballast.....272-273

Replacement Ballast Kits

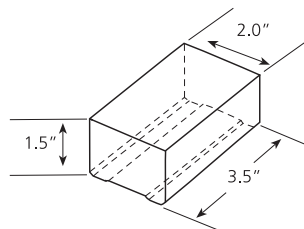
Standard components for replacement of most existing Holophane HID ballasts

Benefits

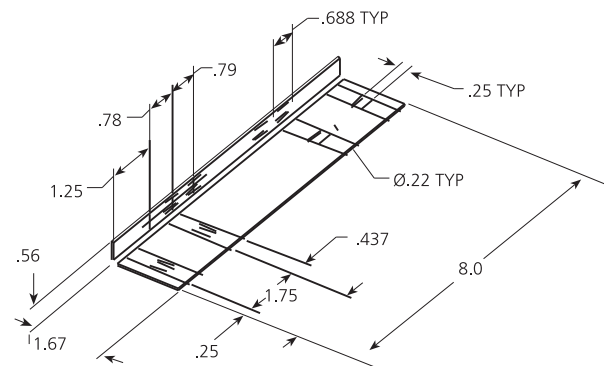
- 3 year warranty
- Easy installation
- Energy saving
- Long life
- High temperature rating
- High power factor
- UL recognized components
- Multi-voltage
- Shipped from stock
- Brackets, hardware and instructions included



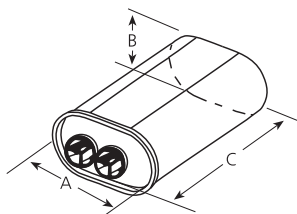
Potted Protected Starter (1000W HPS)



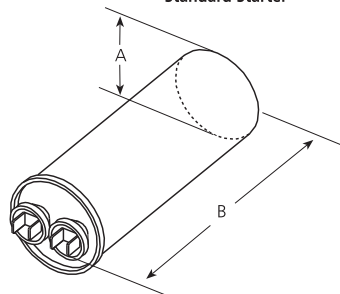
Potted PS and Standard Starter



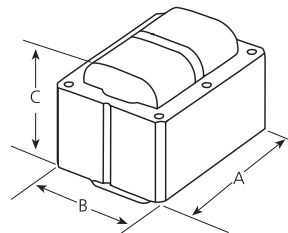
Mounting Bracket



Oval Capacitor
(See dimensions on page 271)



Round Capacitor
(See dimensions on page 270)



Ballast
(See dimensions on page 270 and 271)

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

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)
	RBK25RHPXXB ¹	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)
	RBK40RHPXXB ¹	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	RBK400HPMTB	120/208/240/277	4.87 x 4.25 x 4.31	2.50 x 3.37	CWA - Multi-Tap	8 (17)
	RBK400HPMTB	120/208/240/277	6.12 x 4.25 x 5.94	2.50 x 3.87	CWA	13 (28)
50W MH	RBK050MHMTB	120/208/240/277	6.12 x 4.25 x 5.94	2.50 x 3.87	CWA - Multi-Tap	13 (28)
	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)
	RBK175PM MTB	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)
	RBK25L MH48B	480	4.87 x 4.25 x 3.50	1.75 x 3.94	CWA (Energy Saving)	7 (15)
	RBK25L MHMTB	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)
	RBK250PM MTB	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)
320W MH	RBK25LPM MTB	120/208/240/277	4.87 x 4.25 x 3.25	1.75 x 3.94	CWA - Multi-Tap (Energy Saving)	7 (15)
	RBK320PM48B	480	4.87 x 4.25 x 4.25	1.75 x 3.94	CWA	6 (14)
350W MH	RBK320PM MTB	120/208/240/277	4.87 x 4.25 x 4.13	1.75 x 3.94	CWA - Multi-Tap	6 (14)
	RBK350PM48B	480	4.87 x 4.25 x 4.00	1.75 x 4.25	R- Reactor	6 (14)
400W MH	RBK350PM MTB	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)
	RBK35LPM MTB	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)
	RBK40L MH48B	480	4.87 x 4.25 x 4.18	1.75 x 4.81	CWA (Energy Saving)	7 (15)
	RBK40L MHMTB	120/208/240/277	4.87 x 4.25 x 3.88	1.75 x 4.81	CWA - Multi-Tap (Energy Saving)	7 (15)
	RBK40RMHXXB ¹	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)
	RBK400PM MTB	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)
	RBK40LPM MTB	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)
750W MH	RBK400MHMTB	120/208/240/277	4.87 x 4.25 x 4.25	2.50 x 3.37	CWA - Multi-Tap	7 (15)
	RBK750PM48C	480	6.125 x 4.25 x 5.12	2.50 x 3.37	CWA	11 (24)
1000W	RBK750PM MTB	120/208/240/277	6.125 x 4.25 x 5.12	2.50 x 3.37	CWA - Multi-Tap	11 (24)
	RBK10MH48B	480	6.12 x 4.25 x 5.12	2.50 x 3.37	CWA	11 (24)
1500W MH	RBK10MH48C	480	6.12 x 4.25 x 5.12	2.50 x 3.37	CWA	11 (24)
	RBK10MHMTB	120/208/240/277	6.12 x 4.25 x 5.12	2.50 x 3.37	CWA - Multi-Tap	11 (24)
1500W MH	RBK15MHXXB ¹	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 Ballast



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

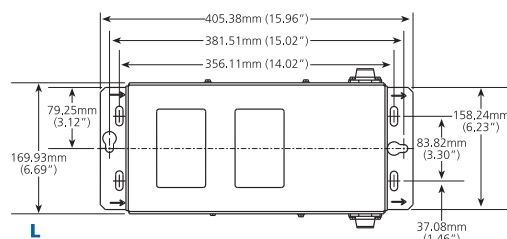
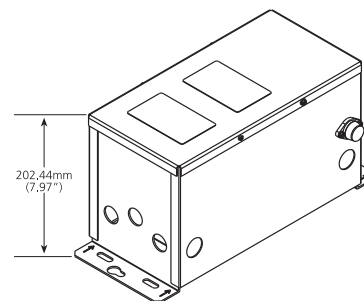
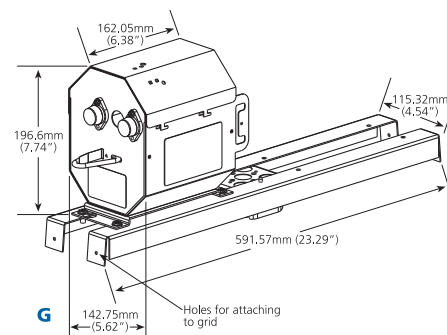


How to Construct a Catalog Number

Example:

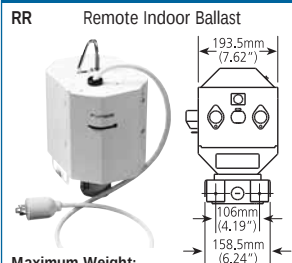
RR	400MH	12	H	F1
1	2	3	4	5
BALLAST	WATTAGE	VOLTAGE	MOUNTING	OPTIONS
RR	070MH 100MH 10DHP 150MH 15DHP 175MH 175PM 226CF 250HP 250MH 250PM 25LHP 25LMH 25LPM 26CFL 320PM 32EPM 350PM 35EPM 35LPM 400HP 400MH 400PM 40LHP 40LMH 40LPM 42CFL 70DHP C10MH	12 20 24 27 34 48 MA MB MC MD MT VT	B G H L	EM F1 F2 H PS

Mounting Options



Catalog Number Information

STEP 1: LUMINAIRE



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

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 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
VT¹ Vari-tap, 120, 277, 347V

¹ Available with 120, 277 and 347 V only

STEP 4: MOUNTING

See drawings right

B Hook and bracket (recessed)
G Grid mount (recessed)
H Hook and bracket (non-recessed)
L¹ Bracket for C10MH (non-recessed)

¹ Available with "C10MH" only

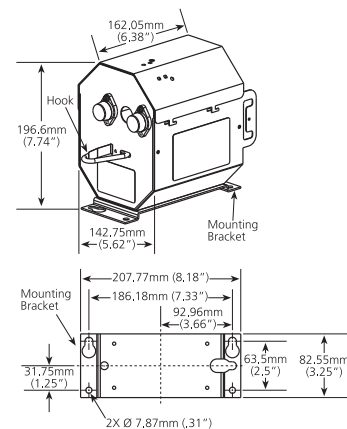
STEP 5: OPTIONS

EM² Standby lighting fixture
F1¹ Single fuse assembly
F2¹ Double fuse assembly
PS HPS Protected Starter (HPS units only)
H³ 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



B/H

Replacement Parts

Catalog Number	Description	Page
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Acrylic Washington Series – AG, AW, AS, AWU

Refractor with Finial

AA3NCU	Type III Acrylic Refractor-Clear Finial	24-27, 50-51
AA4NCU	Type IV Acrylic Refractor-Clear Finial	24-27, 50-51
AA5NCU	Type V Acrylic Refractor-Clear Finial	24-27, 50-51
AA3NX1 ^{1,2}	Type III Acrylic Refractor-Painted Finial	24-27, 50-51
AA4NX1 ^{1,2}	Type IV Acrylic Refractor-Painted Finial	24-27, 50-51
AA5NX1 ^{1,2}	Type V Acrylic Refractor-Painted Finial	24-27, 50-51

Cover Option

F	Full Decorative Cover - Substitute "F" for "N" in catalog number	24-27, 50-51
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Refractor with Band, Medallion and Finial

AA3MCU	Type III Acrylic Refractor-Clear Finial	24-27, 50-51
AA4MCU	Type IV Acrylic Refractor-Clear Finial	24-27, 50-51
AA5MCU	Type V Acrylic Refractor-Clear Finial	24-27, 50-51
AA3MX1 ^{1,2}	Type III Acrylic Refractor-Painted Finial	24-27, 50-51
AA4MX1 ^{1,2}	Type IV Acrylic Refractor-Painted Finial	24-27, 50-51
AA5MX1 ^{1,2}	Type V Acrylic Refractor-Painted Finial	24-27, 50-51

Cover Option

D	Full Decorative Cover - Substitute "D" for "M" in catalog number	
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- 1 For finial insert "B" - Ball, "P" - Pawn, "K" - Knurled Cap, "F" - Flower, "E" - Eagle or "R" - Cross for "X" in catalog number
 2 For trim and finial color insert "B" - Black, "G" - Gold, "N" - Green or "Z" - Bronze for "X" in catalog number

Crestwood – CW2A and CW3A

Optics

3360	Glass Refractor for CW2A	174-175
4360	Glass Refractor for CW3A	174-175
CW2A33	Refractor Collar for CW2A	174-175
CW3A43	Refractor Collar for CW3A	174-175

Canopies

CW2ACAXX ¹	Standard Canopy for CW2A	174-175
CW2MNAXX ¹	Mansard Canopy for CW2A	174-175
CW3ACAXX ¹	Standard Canopy for CW3A	174-175
CW3MNAXX ¹	Mansard Canopy for CW3A	174-175

- 1 Insert "BZ"-bronze, "BK"-black, "GR"-gray, "WH"-white for "XX" in catalog number.

Dorchester – DH; Utility Dorchester – DCU

Refractors

4626	Asymmetric Distribution Glass Refractor	32-33, 52-53
4627	Square Distribution Glass Refractor	32-33, 52-53
4629	Symmetric Distribution Glass Refractor	32-33, 52-53
MI-2785-AC	Acrylic Cylinder	32-33, 52-53

- 1 Insert "Z" - Bronze, "N" - Green or "G" - Gold for "B" in catalog number

GlasWerks

Optics

4551	Small Asymmetric Refractor Only	156-157
4555	Small Symmetric Refractor Type V Only	156-157
4521	Large Asymmetric Type III Only	156-157
4524	Large Asymmetric Type II 4-Way Only	156-157
4525	Large Symmetric Type V Only	156-157
4526	Large Asymmetric Type IV Only	156-157
4172	Prismatic Bowl Asymmetric Type II Only	156-157
4173	Prismatic Bowl Asymmetric Type III Only	156-157
4175	Prismatic Bowl Symmetric Type V Only	156-157
4919	Sag Glass - Small	156-157
4920	Sag Glass - Large	156-157

GlasWerks II

Plug In Electrical Module

GW050HPXX ¹	50 Watt HPS	156-157
GW50DHPXX ¹	50 Watt HPS - Medium Base	156-157
GW070HPXX ¹	70 Watt HPS	156-157
GW70DHPXX ¹	70 Watt HPS - Medium Base	156-157
GW100HPXX ¹	100 Watt HPS	156-157

Replacement Parts

Catalog Number	Description	Page
GW10DHPXX ¹	100 Watt HPS - Medium Base	156-157
GW15AHPXX ¹	150 Watt (55V) HPS	156-157
GW15DHPXX ¹	150 Watt (55V) HPS - Medium Base	156-157
GW70DMHXX ¹	100 Watt MH-Medium Base	156-157
GW10DMHXX ¹	100 Watt Metal Halide	156-157
GW15DMHXX ¹	150 Watt (55V) MH-Medium Base	156-157
GW175MHXX ¹	175 Watt Metal Halide	156-157
GW17DMHXX ¹	175W MH-Medium Base	156-157

1 Insert Voltage: 12 for 120V; 20 for 208V; 24 for 240V; 27 for 277V; 34 for 347V or 48 for 480V
Multi Tap options: MA for 120V; MB for 208V; MC for 240V or MD for 277V.

GranVille – GV; Utility GranVille Series – GVU

Refractors

GV3N	GVU3N	Type III Acorn Refractor-No Finial	12-13, 48-49
GV4N	GVU4N	Type IV Acorn Refractor-No Finial	12-13, 48-49
GV5N	GVU5N	Type V Acorn Refractor-No Finial	12-13, 48-49
GV6N	GVU6N	Lunar Optics Type II Acorn Refractor-No Finial	12-13, 48-49
GV7N	GVU7N	Lunar Optics Type III Acorn Refractor-No Finial	12-13, 48-49
GV8N	GVU8N	Lunar Optics Type V Acorn Refractor-No Finial	12-13, 48-49
GV3C	GVU3C	Type III Acorn Refractor-3" Clear Acrylic Finial	12-13, 48-49
GV4C	GVU4C	Type IV Acorn Refractor-3" Clear Acrylic Finial	12-13, 48-49
GV5C	GVU5C	Type V Acorn Refractor-3" Clear Acrylic Finial	12-13, 48-49
GV6C	GVU6C	Lunar Optics Type II Acorn Refractor-Clear Acrylic Finial	12-13, 48-49
GV7C	GVU7C	Lunar Optics Type III Acorn Refractor-Clear Acrylic Finial	12-13, 48-49
GV8C	GVU8C	Lunar Optics Type V Acorn Refractor-Clear Acrylic Finial	12-13, 48-49
GV3SX	GVU3SX	Type III Acorn Refractor-5" Spike Finial	12-13, 48-49
GV4SX	GVU4SX	Type IV Acorn Refractor-5" Spike Finial	12-13, 48-49
GV5SX	GVU5SX	Type V Acorn Refractor-5" Spike Finial	12-13, 48-49
GV6SX	GVU6SX (1)(2)*	Lunar Optics Type II Acorn Refractor-Spike Finial	12-13, 48-49
GV7SX	GVU7SX (1)(2)*	Lunar Optics Type III Acorn Refractor-Spike Finial	12-13, 48-49
GV8SX	GVU8SX (1)(2)*	Lunar Optics Type V Acorn Refractor-Spike Finial	12-13, 48-49

Bottom Glass

3333	3333	Type III Bottom Glass For Hinged Acorn	12-13, 48-49
3334	3334	Type IV Bottom Glass For Hinged Acorn	12-13, 48-49
3335	3335	Type V Bottom Glass For Hinged Acorn	12-13, 48-49

Top Glass

3330-N	3330-N	Top Glass for Hinged Acorn-No Finial	12-13, 48-49
3330-C	3330-C	Top Glass for Hinged Acorn-3" Clear Finial	12-13, 48-49
3330-BX*	3330-BX*	Top Glass for Hinged Acorn-Ball Finial	12-13, 48-49
3330-EX*	3330-EX*	Top Glass for Hinged Acorn-Eagle Finial	12-13, 48-49
3330-FX*	3330-FX*	Top Glass for Hinged Acorn-Flower Finial	12-13, 48-49
3330-PX*	3330-PX*	Top Glass for Hinged Acorn-Pawn Finial	12-13, 48-49
3330-RX*	3330-RX*	Top Glass for Hinged Acorn-Cross Finial	12-13, 48-49
3330-SX*	3330-SX*	Top Glass for Hinged Acorn-Standard Finial	12-13, 48-49

1 For other than spike finial substitute "B" - Ball, "E" - Eagle, "F" - Flower, "P" - Pawn or "R" - Cross for "S" in catalog number

2 For finish insert "G" - Gold, "B" - Bronze, "N" - Green or "B" - Black for "X" in catalog number

HMSC

Ballast Assemblies

HMS400HPXX ¹	400W HPS Ballast Assembly	180-181
HMS400MHXX ¹	400W MH Ballast Assembly	180-181
HMS40RHPXX ¹	400W HPS, Mag Reg Ballast Assembly	180-181
HMS750HPXX ¹	750W HPS Ballast Assembly	180-181
HMC10HPXX ¹	1000W HPS Ballast Assembly	180-181
HMC10MHXX ¹	1000W MH Ballast Assembly	180-181

Door/Lens Assembly

9183-1	Door/Lens Assembly	180-181
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Protected Starter

PS-100	Protected Starter for 400W HPS	180-181
PS-1000	Protected Starter for 1000W HPS	180-181

Reflectors

HM400HPXXA7 ^{1,2}	400W HPS, Narrow Asymmetric	180-181
HM750HPXXA7 ^{1,2}	750W HPS, Narrow Asymmetric	180-181
HMC10HPXXA7 ^{1,2}	1000W HPS, Narrow Asymmetric	180-181
HMC10MXXA7 ^{1,2}	1000W MH, Narrow Asymmetric	180-181

Replacement Parts

Catalog Number	Description	Page
HMSD		
Ballast Assemblies		
HMS400HPXX ¹	400W HPS Ballast Assembly	180-181
HMS400MHXX ¹	400W MH Ballast Assembly	180-181
HMS40RHPXX ¹	400W HPS, Mag Reg Ballast Assembly	180-181
HMS750HPXX ¹	750W HPS Ballast Assembly	180-181
HMC10HPXX ¹	1000W HPS Ballast Assembly	180-181
HMC10MHXX ¹	1000W MH Ballast Assembly	180-181
Reflectors		
HMD400HPXXSX ^{1,3}	400W HPS, Symmetric	180-181
HMD400MHXXSX ^{1,3}	400W MH, Symmetric	180-181
HM750HPXXSX ^{1,3}	750W HPS, Symmetric	180-181
HMC10HPXXSX ^{1,3}	1000W HPS, Symmetric	180-181
HMC10MHXXSX ^{1,3}	1000W MH, Symmetric	180-181
HMCP1HPXXSX ^{1,3}	1000W Compact HPS, Symmetric	180-181
Protected Starter		
PS-100	Protected Starter for 400W HPS	180-181
PS-1000	Protected Starter for 1000W HPS	180-181
HMSP		
Ballast Assemblies		
HMS400HPXX ¹	400W HPS Ballast Assembly	180-181
HMS400MHXX ¹	400W MH Ballast Assembly	180-181
HMS40RHPXX ¹	400W HPS, Mag Reg Ballast Assembly	180-181
HMS750HPXX ¹	750W HPS Ballast Assembly	180-181
HMC10HPXX ¹	1000W HPS Ballast Assembly	180-181
HMC10MHXX ¹	1000W MH Ballast Assembly	180-181
Reflectors		
HMP400HPXXSX ^{1,4}	400W HPS, Symmetric	180-181
HMP400MHXXSX ^{1,4}	400W MH, Symmetric	180-181
HMP750HPXXSX ^{1,4}	750W HPS, Symmetric	180-181
HMPC10HPXXSX ^{1,4}	1000W HPS, Symmetric	180-181
HMPC10MHXXSX ^{1,4}	1000W MH, Symmetric	180-181
HMPCP1HPXXSX ^{1,4}	1000W Compact HPS, Symmetric	180-181
HMPCP1MHXXSX ^{1,4}	1000W Compact MH, Symmetric	180-181
HMST		
Ballast Assemblies		
HMS400HPXX ¹	400W HPS Ballast Assembly	180-181
HMS400MHXX ¹	400W MH Ballast Assembly	180-181
HMS40RHPXX ¹	400W HPS, Mag Reg Ballast Assembly	180-181
HMS750HPXX ¹	750W HPS Ballast Assembly	180-181
HMC10HPXX ¹	1000W HPS Ballast Assembly	180-181
HMC10MHXX ¹	1000W MH Ballast Assembly	180-181
Reflector		
HMST400HPXXJ ¹	400W HPS, Asymmetric	180-181
HMST400MHXXM ¹	400W MH, Asymmetric	180-181
HMST750HPXXK ¹	750W HPS, Long and Narrow	180-181
HMSTC10HPXXH ¹	1000W HPS, Asymmetric	180-181
HMSTC10MHXXG ¹	1000W MH, Asymmetric	180-181
HMSTCP1HPXXK ¹	1000W Compact HPS, Asymmetric	180-181
Refractor		
4591	Glass Refractor, Long and Narrow Distribution	180-181
4592	Glass Refractor, Symmetric Distribution. N/A with 1000W HPS	180-181
4595	Glass Refractor for 1000W HPS, Symmetric Distribution	180-181
4596	Glass Refractor for Asymmetric Distribution	180-181
Protected Starter		
PS-100	Protected Starter for 400W HPS	180-181
PS-1000	Protected Starter for 1000W HPS	180-181

1 Insert "12"-120V, "20"-208V, "24"-240V, "27"-277V, "34"-347V or "48"-480V for "XX" in catalog number.

2 Insert "B" for "A" for beam angles 7 and 9 and "C" for "A" for beam angles 7, 8 and 9.

3 Insert "7"-low beam, "8"-medium beam or "9"-high beam for "X" in catalog number.

4 Insert "7"-low beam, "8"-medium beam or "9"-high beam for 400, 750 and compact 1000W or "0"-low beam or "1" – high beam for 1000W for "X" in catalog number

Replacement Parts

Catalog Number	Description	Page
Module 600		
Optics		
MDX594	Optical Assembly. Insert "Z"-bronze, "G"-gray, "K"-black or "W"-white for "X" in catalog number.	206-207
Photocontrol Kits		
MWPR12	Photocontrol Kit for 120V	206-207
MWPR	Photocontrol Kit for 208, 240 and 277V	206-207
MWPR34	Photocontrol Kit for 347V	206-207
Protected Starter		
PS-55	Replacement Protected Starter for 150W HPS and below	206-207
PS-100	Replacement Protected Starter for 200W HPS and above	206-207
Other		
MWXCON	Conduit Adapter. Insert "Z"-bronze, "G"-Gray, "K"-Black or "W"-White for "X" in catalog number. N/A with "MWQD"	206-207
MWQD	Quick Disconnect	206-207

Mongoose

Replacement Starters

IG5	Plug in Replacement Starter for 100HP, 15AHP units	192-193
IG6	Plug in Replacement Protected Starter for 100HP, 15AHP units.	192-193
IG7	Plug in Replacement Starter for 250H, 400HP. Not available for Voltage Codes 08 or 40.	192-193
IG8	Plug in Replacement Protected Starter for 250HP, 400HP. Not available for Voltage Codes 08 or 40.	192-193

REPLACEMENT OPTICS			
4015-A-CTN		4016-A-CTN	
Tilt Range	Optics	Tilt Range	Optics
H	DC	H	DR
L	FC	L	NR
H	NC	H	NR
L	SC	L	WR
H	WC	H	WR
4018-A-CTN		GS-216-A-CTN	
Tilt Range	Optics	Tilt Range	Optics
L	NC	L	FF
L	WC	H	ND
		L	NF
		L	SF
		H	WD
			WF

Octagonal Series: AR, JF

Ballast Module

AR050HPXX ¹	50W HPS-Mogul Base	30-31
AR070HPXX ¹	70W HPS-Mogul Base	30-31
AR100HPXX ¹	100W HPS-Mogul Base	30-31
AR15AHPXX ¹	150W HPS-Mogul Base	30-31
AR175MHXX ¹	175W MH-Mogul Base	30-31
AR100MVXX ¹	100W MV-Mogul Base	30-31
AR175MVXX ¹	175W MV-Mogul Base	30-31
AR250MVXX ¹	250W MV-Mogul Base	30-31
AR35DHP12	35W HPS-Medium Base	30-31
AR50DHPXX ¹	50W HPS-Medium Base	30-31
AR70DHPXX ¹	70W HPS-Medium Base	30-31
AR10DHPXX ¹	100W HPS-Medium Base	30-31
AR150DHPXX ¹	150W HPS-Medium Base	30-31
AR70DMHMT ¹	70W MH-Medium Base	30-31
AR10DMHXX ¹	100W MH-Mogul Base	30-31
AR17DMH12 ¹	175W MH-Medium Base	30-31

1. Insert Voltage: 12 for 120V; 20 for 208V; 27 for 277V; 48 for 480V or MT for Multi Tap (120, 208, 240 & 277V).
Note: 35W HPS available in 120 Volt only.

Replacement Parts

Catalog Number	Description	Page
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Octagonal Series: AR, JF (continued)

Refractors

3313	Type III Glass Refractor	30-31
4813-B-AC	Type III Acrylic Refractor	30-31
4815-B-AC	Type V Acrylic Refractor	30-31
4813-B-PC	Type III Polycarbonate Refractor	30-31
4815-B-PC	Type V Polycarbonate Refractor	30-31

Options

PS	Protective Starter (add as suffix to catalog number)	30-31
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Panel-Vue

Optics

769-CTN	Glass Refractor	204-205
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Wire Guard

WG-213	Wire Guard	204-205
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Parkpak

Optics

PARKAS	Asymmetric Distribution Lens	208-209
PARKASMH	Asymmetric Distribution Lens for MH	208-209
PARKSQ	Square Distribution Lens	208-209
PARKSQMH	Square Distribution Lens for MH	208-209

Protected Starter

IG-2-KIT	Protected starter for 55V, HPS	208-209
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Pedestrian Teardrop Series: Atlanta – ALP

Plug in Electrical Module/Door-Mogul Base

ALP050HPXX ¹	Ballast/Socket Assembly 50W HPS-Mogul Base	38-39
ALP070HPXX ¹	Ballast/Socket Assembly 70W HPS-Mogul Base	38-39
ALP100HPXX ¹	Ballast/Socket Assembly 100W HPS-Mogul Base	38-39
ALP15AHPXX ¹	Ballast/Socket Assembly 150W HPS-Mogul Base	38-39
ALP175MHXX ¹	Ballast/Socket Assembly 175W MH-Mogul Base	38-39
ALP100MVXX ¹	Ballast/Socket Assembly 100W MV-Mogul Base	38-39
ALP175MVXX ¹	Ballast/Socket Assembly 175W MV-Mogul Base	38-39

¹ Insert Voltage: 12 for 120 Volt; 20 for 208 Volt; 24 for 240 Volt; 27 for 277 Volt; 34 for 347 Volt or 48 for 480 Volt.

Options

PS	Protective Starter (add as suffix to catalog number)	38-39
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Plug in Electrical Module/Door-Medium Base

ALP035DHP12	Ballast/Socket Assembly 35W HPS-Medium Base	38-39
ALP50DHPXX ¹	Ballast/Socket Assembly 50W HPS-Medium Base	38-39
ALP70DHPXX ¹	Ballast/Socket Assembly 70W HPS-Medium Base	38-39
ALP10DHPXX ¹	Ballast/Socket Assembly 100W HPS-Medium Base	38-39
ALP15DHPXX ¹	Ballast/Socket Assembly 150W HPS-Medium Base	38-39
ALP70DMHXX ¹	Ballast/Socket Assembly 70W MH-Medium Base	38-39
ALP10DMHXX ¹	Ballast/Socket Assembly 100W MH-Medium Base	38-39
ALP15DMHXX ¹	Ballast/Socket Assembly 150W MH-Medium Base	38-39
ALP17DMHXX ¹	Ballast/Socket Assembly 175W MH-Medium Base	38-39
ALP20DINXX ¹	Ballast/Socket Assembly 200W Incandescent-Medium Base	38-39

¹ Insert Voltage: 12 for 120 Volt; 20 for 208 Volt; 24 for 240 Volt; 27 for 277 Volt; 34 for 347 Volt or 48 for 480 Volt.
(35W HPS available in 120Volt only) (Metal Halide not available in 480 Volt)

Options

PS	Protective Starter (add as suffix to catalog number)	38-39
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Pedestrian Teardrop Series/Crystalite – CRP

Plug in Electrical Module/Door

CRP050HPXX ¹	Ballast/Socket Assembly 50W HPS-Mogul Base	38-39
CRP070HPXX ¹	Ballast/Socket Assembly 70W HPS-Mogul Base	38-39
CRP100HPXX ¹	Ballast/Socket Assembly 100W HPS-Mogul Base	38-39
CRP15AHPXX ¹	Ballast/Socket Assembly 150W HPS-Mogul Base	38-39
CRP175MHXX ¹	Ballast/Socket Assembly 175W MH-Mogul Base	38-39
CRP100MVXX ¹	Ballast/Socket Assembly 100W MV-Mogul Base	38-39

Replacement Parts

Catalog Number	Description	Page
Pedestrian Teardrop Series/Crystalite – CRP (continued)		
CRP175MVXX ¹	Ballast/Socket Assembly 175W MV-Mogul Base	38-39
CRP035DHP12	Ballast/Socket Assembly 35W HPS-Medium Base	38-39
CRP50DHPXX ¹	Ballast/Socket Assembly 50W HPS-Medium Base	38-39
CRP70DHPXX ¹	Ballast/Socket Assembly 70W HPS-Medium Base	38-39
CRP10DHPXX ¹	Ballast/Socket Assembly 100W HPS-Medium Base	38-39
CRP15DHPXX ¹	Ballast/Socket Assembly 150W HPS-Medium Base	38-39
CRP70DMHXX ¹	Ballast/Socket Assembly 70W MH-Medium Base	38-39
CRP10DMHXX ¹	Ballast/Socket Assembly 100W MH-Medium Base	38-39
CRP15DMHXX ¹	Ballast/Socket Assembly 150W MH-Medium Base	38-39
CRP17DMHXX ¹	Ballast/Socket Assembly 175W MH-Medium Base	38-39
CRP20DINXX ¹	Ballast/Socket Assembly 200W Incandescent-Medium Base	38-39

¹ Insert Voltage: 12 for 120 Volt; 20 for 208 Volt; 24 for 240 Volt; 27 for 277 Volt; 34 for 347 Volt or 48 for 480 Volt.
(35W HPS available in 120Volt only) (70W & 100W Metal Halide not available in 480 Volt).

Options

PS	Protective Starter (add as suffix to catalog number)	38-39
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Pedestrian Teardrop Series/Esplanade – ESP

Plug in Electrical Module/Door

ESP50HPPXX ¹	Ballast/Socket Assembly 50W HPS-Mogul Base	38-39
ESP070HPPXX ¹	Ballast/Socket Assembly 70W HPS-Mogul Base	38-39
ESP100HPPXX ¹	Ballast/Socket Assembly 100W HPS-Mogul Base	38-39
ESP15AHPXX ¹	Ballast/Socket Assembly 150W HPS-Mogul Base	38-39
ESP175MHXX ¹	Ballast/Socket Assembly 175W MH-Mogul Base	38-39
ESP100MVXX ¹	Ballast/Socket Assembly 100W MV-Mogul Base	38-39
ESP175MVXX ¹	Ballast/Socket Assembly 175W MV-Mogul Base	38-39
ESP035DHP12	Ballast/Socket Assembly 35W HPS-Medium Base	38-39
ESP50DHPXX ¹	Ballast/Socket Assembly 50W HPS-Medium Base	38-39
ESP70DHPXX ¹	Ballast/Socket Assembly 70W HPS-Medium Base	38-39
ESP10DHPXX ¹	Ballast/Socket Assembly 100W HPS-Medium Base	38-39
ESP15DHPXX ¹	Ballast/Socket Assembly 150W HPS-Medium Base	38-39
ESP70DMHXX ¹	Ballast/Socket Assembly 70W MH-Medium Base	38-39
ESP10DMHXX ¹	Ballast/Socket Assembly 100W MH-Medium Base	38-39
ESP15DMHXX ¹	Ballast/Socket Assembly 150W MH-Medium Base	38-39
ESP17DMHXX ¹	Ballast/Socket Assembly 175W MH-Medium Base	38-39
ESP20DINXX ¹	Ballast/Socket Assembly 200W Incandescent-Medium Base	38-39

¹ Insert Voltage: 12 for 120 Volt; 20 for 208 Volt; 24 for 240 Volt; 27 for 277 Volt; 34 for 347 Volt or 48 for 480 Volt.
(35W HPS available in 120Volt only) (70W & 100W Metal Halide not available in 480 Volt).

Options

PS	Protective Starter (add as suffix to catalog number)	38-39
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Pedestrian Teardrop Series/Memphis – MSP

Plug in Electrical Module/Door

MSP50HPPXX ¹	Ballast/Socket Assembly 50W HPS-Mogul Base	38-39
MSP070HPPXX ¹	Ballast/Socket Assembly 70W HPS-Mogul Base	38-39
MSP100HPPXX ¹	Ballast/Socket Assembly 100W HPS-Mogul Base	38-39
MSP15AHPXX ¹	Ballast/Socket Assembly 150W HPS-Mogul Base	38-39
MSP175MHXX ¹	Ballast/Socket Assembly 175W MH-Mogul Base	38-39
MSP100MVXX ¹	Ballast/Socket Assembly 100W MV-Mogul Base	38-39
MSP175MVXX ¹	Ballast/Socket Assembly 175W MV-Mogul Base	38-39
MSP035DHP12	Ballast/Socket Assembly 35W HPS-Medium Base	38-39
MSP50DHPXX ¹	Ballast/Socket Assembly 50W HPS-Medium Base	38-39
MSP70DHPXX ¹	Ballast/Socket Assembly 70W HPS-Medium Base	38-39
MSP10DHPXX ¹	Ballast/Socket Assembly 100W HPS-Medium Base	38-39
MSP15DHPXX ¹	Ballast/Socket Assembly 150W HPS-Medium Base	38-39
MSP70DMHXX ¹	Ballast/Socket Assembly 70W MH-Medium Base	38-39
MSP10DMHXX ¹	Ballast/Socket Assembly 100W MH-Medium Base	38-39
MSP15DMHXX ¹	Ballast/Socket Assembly 150W MH-Medium Base	38-39
MSP17DMHXX ¹	Ballast/Socket Assembly 175W MH-Medium Base	38-39
MSP20DINXX ¹	Ballast/Socket Assembly 200W Incandescent-Medium Base	38-39

¹ Insert Voltage: 12 for 120 Volt; 20 for 208 Volt; 24 for 240 Volt; 27 for 277 Volt; 34 for 347 Volt or 48 for 480 Volt.
(35W HPS available in 120Volt only) (70W & 100W Metal Halide not available in 480 Volt).

Replacement Parts

Catalog Number	Description	Page
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Pedestrian Teardrop Series/Memphis – MSP (continued)

Options

PS	Protective Starter (add as suffix to catalog number)	38-39
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PoleStar II

Door Replacements – Arm Mount

PTDOORARMK	Replacement Black Door for PT4 and PT5	168
PTDOORARMV	Replacement Green Door for PT4 and PT5	168
PTDOORARMW	Replacement White Door for PT4 and PT5	168
PTDOORARMZ	Replacement Bronze Door for PT4 and PT5	168

Door Replacements – Postop Mount

PTDOORRPOSTK	Replacement black door for PT4 and PT5	168
PTDOORRPOSTV	Replacement green door for PT4 and PT5	168
PTDOORRPOSTW	Replacement white door for PT4 and PT5	168
PTDOORRPOSTZ	Replacement bronze door for PT4 and PT5	168

Predator – PD Small

Ballast/Door Assembly

PDR070HPMTX ¹	Ballast/Door Assembly for 70W HPS, Multi-tap	200
PDR0100HPMTX ¹	Ballast/Door Assembly for 100W HPS, Multi-tap	200
PDR015AHPMTX ¹	Ballast/Door Assembly for 150W HPS, Multi-tap	200
PDR0175MHMTX ¹	Ballast/Door Assembly for 175W HPS, Multi-tap	200
PDR070HP34X ¹	Ballast/Door Assembly for 70W HPS, 347V	200
PDR100HP34X ¹	Ballast/Door Assembly for 100W HPS, 347V	200
PDR15AHP34X ¹	Ballast/Door Assembly for 150W HPS/55V, 347V	200
PDR175MH34X ¹	Ballast/Door Assembly for 175W MH, 347V	200

Door Assembly without Ballast

PDRX	Door and Glass Assembly	200
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Protected Starter

PS-55	Protected Starter for HPS	200
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¹ Insert "B"-bronze or "G"-gray for "X" in catalog number

Predator – PF Medium

Ballast/Door Assembly

PFR250HPMTX ¹	Ballast/Door Assembly for 250W HPS, Multi-tap	200
PFR250MHMTX ¹	Ballast/Door Assembly for 250W MH, Multi-tap	200
PFR25LHPMTX ¹	Ballast/Door Assembly for 250W HPS, Energy Saving, Multi-tap	200
PFR25LMHMTX ¹	Ballast/Door Assembly for 250W MH, Energy Saving, Multi-tap	200
PFR400HPMTX ¹	Ballast/Door Assembly for 400W HPS, Multi-tap	200
PFR40LHPMTX ¹	Ballast/Door Assembly for 400W HPS, Energy Saving, Multi-tap	200

Ballast/Door Assembly

PFR40LMHMTX ¹	Ballast/Door Assembly for 400W MH, Energy Saving, Multi-tap	200
PFR250HPVXTX ¹	Ballast/Door Assembly for 250W HPS, Vari-tap	200
PFR250MHVXTX ¹	Ballast/Door Assembly for 250W MH, Vari-tap	200
PFR400HPVXTX ¹	Ballast/Door Assembly for 400W HPS, Vari-tap	200
PFR250HP48X ¹	Ballast/Door Assembly for 250W HPS, 480V	200
PFR250MH48X ¹	Ballast/Door Assembly for 250W MH, 480V	200
PFR250MV48X ¹	Ballast/Door Assembly for 250W MV, 480V	200
PFR25LHP48X ¹	Ballast/Door Assembly for 250W HPS, Energy Saving, 480V	200
PFR25LMH48X ¹	Ballast/Door Assembly for 250W MH, Energy Saving, 480V	200
PFR400HP48X ¹	Ballast/Door Assembly for 400W HPS, 480V	200
PFR400MV48X ¹	Ballast/Door Assembly for 400W MV, 480V	200
PFR40LHP48X ¹	Ballast/Door Assembly for 400W HPS, Energy Saving, 480V	200
PFR40LMH48X ¹	Ballast/Door Assembly for 400W MH, Energy Saving, 480V	200

Door Assembly without Ballast

PFRX1	Door and Glass Assembly	200
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Protected Starter

PS-100	Protected Starter for HPS	200
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¹ Insert "B"-bronze, "W"-white, "K"-black or "G"-gray for "X" in catalog number

Replacement Parts

Catalog Number	Description	Page
Prismasphere – PR/Utility Prismasphere – PSU		
Refractors		
4626	Asymmetric Distribution Glass Refractor	40
4627	Square Distribution Glass Refractor	40
4629	Symmetric Distribution Glass Refractor	40
Sphere		
7513-AC	18" Acrylic Prismatic Sphere	40
7513-PC	18" Polycarbonate Sphere	40
MI-2681-CL	18" Acrylic Clear Sphere	40
MI-2681-BZ	18" Acrylic Bronze Sphere	40
MI-2681-OP	18" Acrylic Opal Sphere	40
MI-2688-CL	18" Polycarbonate Clear Sphere	40
MI-2688-BZ	18" Polycarbonate Bronze Sphere	40
MI-2688-OP	18" Polycarbonate Opal Sphere	40
MI-2905-CL	20" Acrylic Clear Sphere	40
MI-2905-BZ	20" Acrylic Bronze Sphere	40
MI-2906-CL	20" Polycarbonate Clear Sphere	40
MI-2906-BZ	20" Polycarbonate Bronze Sphere	40
Prismbeam II – PB2		
Optics		
857-T	Prismatic Glass	202
GS-131	Flat Lens	202
Protected Starter		
PS-100	Protected Starter for 400W HPS	202
PS-1000	Protected Starter for 1000W HPS	202
RSL-200		
Optics		
4521-CTN	Glass Refractor for A-21 Optic	188
4524-CTN	Glass Refractor for C-24 Optic	188
4526-CTN	Glass Refractor for D-26 Optic	188
4821-CPB	Polycarbonate Enclosed Refractor for APC Optic	188
Sign-Vue II		
Optics		
569-B-CTN	Glass Refractor	204
Wire Guard		
WG-213	Wire Guard	204
Somerset – SMST		
Ballast Assembly		
MB4A100HPXX ¹	100W HPS Ballast Assembly	172
MB4A15AHPXX ¹	150W HPS Ballast Assembly	172
MB4A175MHXX ¹	175W MH Ballast Assembly	172
MB4A250HPXX ¹	250W HPS Ballast Assembly	172
MB4A250MHXX ¹	250W MH Ballast Assembly	172
MB4A400HPXX ¹	400W HPS Ballast Assembly	172
MB4A400MHXX ¹	400W MH Ballast Assembly	172
Optics		
999	Prismatic Glass Lens	172
GS-153	Clear Tempered Glass Lens	172
Protected Starter		
PS-55	Replacement Starter for 150W HPS and below	172
PS-100	Replacement Starter for 250W HPS and above	172

Replacement Parts

Catalog Number	Description	Page
Substation		
Ballast Assembly		
SU1A070HPXX ¹	70W HPS Ballast Assembly	212
SU1A100HPXX ¹	100W HPS Ballast Assembly	212
SU1A15AHPXX ¹	150W/55V HPS Ballast Assembly	212
SU1A15BHPXX ¹	150W/100V HPS Ballast Assembly	212
SU1A0175MHXX ¹	175W MH Ballast Assembly	212

1 Insert "12"-120V, "20"-208, "24"-240V, "27"-277V, "34"-347V or "48"-480V for "XX" in catalog number

Teardrop Series/Harp Series

Optics

3094-CTN	Pedestrian Teardrop Refractor Only - Type 4	39
3095-CTN	Pedestrian Teardrop Refractor Only - Type 5	39
3919-CTN	Pedestrian Sag Glass - Asymmetric/Symmetric	39
4094-A-CTN	Teardrop Refractor Only - Type 4	35, 37, 45, 47
4172-BULK	Bowl Refractor Only - Type 2	35, 37, 45, 47
4173-BULK	Bowl Refractor Only - Type 3	35, 37, 45, 47
4175-BULK	Bowl Refractor Only - Type 5	35, 37, 45, 47
4920-BULK	Sag Glass - Asymmetric/Symmetric	35, 37

Teardrop Series/Atlanta – ALU

Plug in Electrical Module/Door

L070HPXX ¹	Ballast/Socket Assembly 70W HPS-Mogul Base	36-37
AL100HPXX ¹	Ballast/Socket Assembly 100W HPS-Mogul Base	36-37
AL15AHPXX ¹	Ballast/Socket Assembly 150W HPS-Mogul Base	36-37
AL250HPXX ¹	Ballast/Socket Assembly 250W HPS-Mogul Base	36-37
AL175MHXX ¹	Ballast/Socket Assembly 175W MH-Mogul Base	36-37
AL250MHXX ¹	Ballast/Socket Assembly 250W MH-Mogul Base	36-37

1 Insert Voltage: 12 for 120 Volt; 20 for 208 Volt; 24 for 240 Volt; 27 for 277 Volt; 48 for 480 Volt .

Options

PS	Protective Starter (add as suffix to catalog number)	36-37
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Teardrop Series/Boardwalk – BWU

Plug in Electrical Module/Door

BW070HPXX ¹	Ballast/Socket Assembly 70W HPS-Mogul Base	34-35
BW100HPXX ¹	Ballast/Socket Assembly 100W HPS-Mogul Base	34-35
BW15AHPXX ¹	Ballast/Socket Assembly 150W HPS-Mogul Base	34-35
BW250HPXX ¹	Ballast/Socket Assembly 250W HPS-Mogul Base	34-35
BW400HPXX ¹	Ballast/Socket Assembly 400W HPS-Mogul Base	34-35
BW175MHXX ¹	Ballast/Socket Assembly 175W MH-Mogul Base	34-35
BW250MHXX ¹	Ballast/Socket Assembly 250W MH-Mogul Base	34-35
BW400MHXX ¹	Ballast/Socket Assembly 400W MH-Mogul Base	34-35

1 Insert Voltage: 12 for 120 Volt; 20 for 208 Volt; 24 for 240 Volt; 27 for 277 Volt; 48 for 480 Volt

Teardrop Series/Crystalite – CRU

Plug in Electrical Module/Door

CR070HPXX ¹	70W HPS-Mogul Base	36-37
CR100HPXX ¹	100W HPS-Mogul Base	36-37
CR15AHPXX ¹	150W HPS-Mogul Base	36-37
CR250HPXX ¹	250W HPS-Mogul Base	36-37
CR175MHXX ¹	175W MH-Mogul Base	36-37
CR250MHXX ¹	250W MH-Mogul Base	36-37

1 Insert Voltage: 12 for 120 Volt; 20 for 208 Volt; 24 for 240 Volt; 27 for 277 Volt; 48 for 480 Volt or MT for Multi Tap (120, 208, 240 & 277Volt only). Note: 35W HPS available in 120 Volt only. 70W & 100W MH available in MT only).

Options

PS	Protective Starter (add as suffix to catalog number)	36-37
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Teardrop Series/Esplanade – ESU

Plug in Electrical Module/Door

ES070HPXX ¹	Ballast/Socket Assembly 70W HPS-Mogul Base	34-35
ES100HPXX ¹	Ballast/Socket Assembly 100W HPS-Mogul Base	34-35
ES15AHPXX ¹	Ballast/Socket Assembly 150W HPS-Mogul Base	34-35
ES250HPXX ¹	Ballast/Socket Assembly 250W HPS-Mogul Base	34-35

Replacement Parts

Catalog Number	Description	Page
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Teardrop Series/Esplanade – ESU (continued)

ES400HPXX ¹	Ballast/Socket Assembly 400W HPS-Mogul Base	34-35
ES175MHXX ¹	Ballast/Socket Assembly 175W MH-Mogul Base	34-35
ES250MHXX ¹	Ballast/Socket Assembly 250W MH-Mogul Base	34-35
ES400MHXX ¹	Ballast/Socket Assembly 400W MH-Mogul Base	34-35

¹ Insert Voltage: 12 for 120 Volt; 20 for 208 Volt; 24 for 240 Volt; 27 for 277 Volt; 34 for 347 Volt or 48 for 480 Volt.

Options

PS	Protective Starter (add as suffix to catalog number)	34-35
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Teardrop Series/Grand Ledge – GLU

Plug in Electrical Module/Door

GL070HPXX ¹	Ballast/Socket Assembly 70W HPS-Mogul Base	36-37
GL100HPXX ¹	Ballast/Socket Assembly 100W HPS-Mogul Base	36-37
GL15AHPXX ¹	Ballast/Socket Assembly 150W HPS-Mogul Base	36-37
GL250HPXX ¹	Ballast/Socket Assembly 250W HPS-Mogul Base	36-37
GL175MHXX ¹	Ballast/Socket Assembly 175W MH-Mogul Base	36-37
GL250MHXX ¹	Ballast/Socket Assembly 250W MH-Mogul Base	36-37

¹ Insert Voltage: 12 for 120 Volt; 20 for 208 Volt; 24 for 240 Volt; 27 for 277 Volt; 34 for 347 Volt or 48 for 480 Volt.

Options

PS	Protective Starter (add as suffix to catalog number)	36-37
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Teardrop Series/Memphis – MPU

Plug in Electrical Module/Door

MP070HPXX ¹	Ballast/Socket Assembly 70W HPS-Mogul Base	34-35
MP100HPXX ¹	Ballast/Socket Assembly 100W HPS-Mogul Base	34-35
MP15AHPXX ¹	Ballast/Socket Assembly 150W HPS-Mogul Base	34-35
MP250HPXX ¹	Ballast/Socket Assembly 250W HPS-Mogul Base	34-35
MP400HPXX ¹	Ballast/Socket Assembly 400W HPS-Mogul Base	34-35
MP175MHXX ¹	Ballast/Socket Assembly 175W MH-Mogul Base	34-35

Plug in Electrical Module/Door

MP250MHXX ¹	Ballast/Socket Assembly 250W MH-Mogul Base	34-35
MP400MHXX ¹	Ballast/Socket Assembly 400W MH-Mogul Base	34-35

¹ Insert Voltage: 12 for 120 Volt; 20 for 208 Volt; 24 for 240 Volt; 27 for 277 Volt; 34 for 347 Volt or 48 for 480 Volt.

Options

PS	Protective Starter (add as suffix to catalog number)	34-35
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Teardrop Series/Port Huron – PHU

Plug in Electrical Module/Door

PH070HPXX ¹	Ballast/Socket Assembly 70W HPS-Mogul Base	34-35
PH100HPXX ¹	Ballast/Socket Assembly 100W HPS-Mogul Base	34-35
PH15AHPXX ¹	Ballast/Socket Assembly 150W HPS-Mogul Base	34-35
PH250HPXX ¹	Ballast/Socket Assembly 250W HPS-Mogul Base	34-35
PH400HPXX ¹	Ballast/Socket Assembly 400W HPS-Mogul Base	34-35
PH175MHXX ¹	Ballast/Socket Assembly 175W MH-Mogul Base	34-35
PH250MHXX ¹	Ballast/Socket Assembly 250W MH-Mogul Base	34-35

¹ Insert Voltage: 12 for 120 Volt; 20 for 208 Volt; 24 for 240 Volt; 27 for 277 Volt; 48 for 480 Volt.

Options

PS	Protective Starter (add as suffix to catalog number)	34-35
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Teardrop Series/Starshell – SSU

Plug in Electrical Module/Door

SS070HPXX ¹	Ballast/Socket Assembly 70W HPS-Mogul Base	36-37
SS100HPXX ¹	Ballast/Socket Assembly 100W HPS-Mogul Base	36-37
SS15AHPXX ¹	Ballast/Socket Assembly 150W HPS-Mogul Base	36-37
SS250HPXX ¹	Ballast/Socket Assembly 250W HPS-Mogul Base	36-37
SS175MHXX ¹	Ballast/Socket Assembly 175W MH-Mogul Base	36-37
SS250MHXX ¹	Ballast/Socket Assembly 250W MH-Mogul Base	36-37

¹ Insert Voltage: 12 for 120 Volt; 20 for 208 Volt; 24 for 240 Volt; 27 for 277 Volt; 48 for 480 Volt.

Options

PS	Protective Starter (add as suffix to catalog number)	36-37
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Replacement Parts

Catalog Number	Description	Page
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Utility Luminaire Series/Enhanced Washington PostLite (Glass & Acrylic)

Plug in Electrical Module

RU050HP12	120 Volt, 50 Watt HPS	48-51
RU070HP12	120 Volt, 70 Watt HPS	48-51
RU100HP12	120 Volt, 100 Watt HPS	48-51
RU15AHP12	120 Volt, 150 Watt HPS	48-51
RU175MH12	120 Volt, 175W Metal Halide	48-51
RU100MV12	120 Volt, 100W Mercury Vapor	48-51
RU175MV12	120 Volt, 175W Mercury Vapor	48-51
RU250MV12	120 Volt, 250W Mercury Vapor	48-51
RU70DMH12	120 Volt, 70W Metal Halide	48-51
RU10DMH12	120 Volt, 100W Metal Halide	48-51
RU15DMH12	120 Volt, 150W Metal Halide	48-51

Options

P	Protected Starter for HPS Ballast	48-51
H	NEMA Twist-off Photocontrol Receptical. Does not include Photocontrol.	48-51

Teardrop Series (New Version) – ESU, BWU, CRU, SSU

Plug in Electrical Module/Door

TU070HPXX ¹	Ballast/Socket Assembly 70W HPS-Mogul Base	34-37
TU100HPXX ¹	Ballast/Socket Assembly 100W HPS-Mogul Base	34-37
TU15AHPXX ¹	Ballast/Socket Assembly 150W HPS-Mogul Base	34-37
TU250HPXX ¹	Ballast/Socket Assembly 250W HPS-Mogul Base	34-37
TU400HPXX ¹	Ballast/Socket Assembly 400W HPS-Mogul Base	34-37
TU175MHXX ¹	Ballast/Socket Assembly 175W MH-Mogul Base	34-37
TU250MHXX ¹	Ballast/Socket Assembly 250W MH-Mogul Base	34-37
TU400MHXX ¹	Ballast/Socket Assembly 400W MH-Mogul Base	34-37

*Insert Voltage: 12 for 120V; 20 for 208V; 24 for 240V; 27 for 277V; 34 for 347V or 48 for 480V
Multi Tap options: MA for 120V; MB for 208V; MC for 240V or MD for 277V.

Options

R	NEMA Twist Lock Photocontrol Receptacle (add as suffix to catalog number)	34-37
PS	Protected Starter (add as suffix to catalog number)	34-37

Washington PostLite – WA

State Street – SS

Refractors

WASH6-REPL	Narrow, Asymmetric, Lunar Optics Bottom Glass Assembly	22-23
WASH7-REPL	Wide, Asymmetric, Lunar Optics Bottom Glass Assembly	22-23
WASH8-REPL	Type V, Symmetric, Lunar Optics Bottom Glass Assembly	22-23

Bottom Glass Assembly

WASH3-REPL	Type III Bottom Glass Assembly	22-23
WASH4-REPL	Type IV Bottom Glass Assembly	22-23
WASH5-REPL	Type V Bottom Glass Assembly	22-23

Top Glass Assembly

3370-B4-CTN ¹	Top Relamping Glass with Black Spike Finial	22-23
3370-B3-CTN ¹	Top Relamping Glass with Black Bud Finial	22-23
3370-B8-CTN ¹	Top Relamping Glass with Black Ornate Finial	22-23

Washington PostLite – WA,

Madeira – MD,

State Street – SS

Ballast Modules - Plug in Electrical Module/Door

WA070HP12B	70 Watt Mogul Base HPS	22-23, 28-29
WA100HP12B	100 Watt Mogul Base HPS	22-23, 28-29
WA15AHP12B	150 Watt 55 Volt Mogul Base HPS	22-23, 28-29
WA250HP12B	250 Watt Mogul Base HPS	22-23, 28-29
WA400HP12B	400 Watt Mogul Base HPS	22-23, 28-29
WA70DMH12B	70 Watt Medium Base MH	22-23, 28-29
WA10DMH12B	100 Watt Medium Base MH	22-23, 28-29
WA15DMH12B	150 Watt Medium Base MH	22-23, 28-29
WA175MH12B	175 Watt Mogul Base MH	22-23, 28-29
WA250MH12B	250 Watt Mogul Base MH	22-23, 28-29

Replacement Parts

Catalog Number	Description	Page
Washington PostLite – WA, Madeira – MD, State Street – SS (continued)		
WA400MH12B	400 Watt Mogul Base MH	22-23, 28-29
WA175MV12B	175 Watt Mogul Base MV	22-23, 28-29
WA250MV12B	250 Watt Mogul Base MV	22-23, 28-29
WA400MV12B	400 Watt Mogul Base MV	22-23, 28-29
Electrical Module/Door Options		
ST	State Street Style in lieu of Washington PostLite-substitute "ST" for "WA" in catalog number	22-23, 28-29
MD	Madeira Style in lieu of Washington Postlite-substitute "MD" for "WA" in catalog number	22-23, 28-29
Color	Description	
Z	Bronze Finish-substitute "Z" for "B" in catalog number	22-23, 28-29
N	Green Finish-substitute "N" for "B" in catalog number	22-23, 28-29
A	Painted to match sample on request-substitute "A" for "B" in catalog number	22-23, 28-29
Options		
PS	Protected Starter-add as a suffix to catalog number	22-23, 28-29

Ballast Replacement Kits

Round Capacitor		
RBK035HP12B	35 Watt 120V HPS	270-271
RBK050HP12B	50 Watt 120 V HPS	270-271
RBK050HPMTB	50 Watt Multi-Tap HPS	270-271
RBK050HP48B	50 Watt 480 V HPS	270-271
RBK070HP12B	70 Watt 120 V HPS	270-271
RBK070HPMTB	70 Watt Multi-Tap HPS	270-271
RBK070HP48B	70 Watt 480 V HPS	270-271
Round Capacitor		
RBK100HP12B	100 Watt 120 V HPS	270-271
RBK100HPMTB	100 Watt Multi-Tap HPS	270-271
RBK100HP48B	100 Watt 480 V HPS	270-271
RBK15AHP12B	150 Watt (55V) 120 V HPS	270-271
RBK15AHPMTB	150 Watt (55V) Multi-Tap HPS	270-271
RBK15AHP48B	150 Watt (55V) 480 V HPS	270-271
RBK250HPMTB	250 Watt Multi-Tap HPS	270-271
RBK250HP48B	250 Watt 480 V HPS	270-271
RBK400HPMTB	400 Watt Multi-Tap HPS	270-271
RBK400HP48B	400 Watt 480 V HPS	270-271
RBK175MHMTB	175 Watt Multi-Tap Metal Halide	270-271
RBK175MH48B	175 Watt 480 V Metal Halide	270-271
RBK250MHMTB	250 Watt Multi-Tap Metal Halide	270-271
RBK250MH48B	250 Watt 480 V Metal Halide	270-271
RBK400MHMTB	400 Watt Multi-Tap Metal Halide	270-271
RBK400MH48B	400 Watt 480 V Metal Halide	270-271

Color Adders

AOL2004	RAL (Tiger Drylac) Color Adder for Fixture (Add 2 Weeks to Standard Fixture Lead Time)
AOL2005	Custom Color Match Adder for Fixture (Add 4-6 Weeks to Standard Fixture Lead Time)
AOL2017	RAL Color Touch Up Spray Can (minimum order 6 cans)
AOL2023	Holophane Standard Gray and White

Internal Shield

AOL2003	Internal Uplight Shield for GV, GVU, WA and WAU Fixtures (Perforated)
AOL2031	Internal Uplight Shield for GV, GVU, WA and WAU Fixtures (Solid)

Replacement Parts

Catalog Number	Description	Page
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Electrical Components/Options

AOL2001	RSL-350 Fusing (Use "GV" Fuse Kits)	
AOL2008	Longer Leads (20' of Standard 10 Gauge Wire) (Add 2 Weeks to Standard Fixture Lead Time)	

Other

AOL2006	Natural Brass Finial for "GV" and "GVU"	
AOL2009	Direct Bury Base Option for all Matamoros Supplied, Cast Aluminum Posts ONLY (Add 2 Weeks to Standard Pole Lead Time)	

Cross Reference Index

Old Catalog Number	Description	New Catalog Number	Page
Substation			
04250	Substation 500 Watt Inc. 400 Watt MV or MH w/o Ballast Metal Top Cover	SU2NB	212
04252	Substation 500 Watt Inc. 400 Watt MV or MH w/o Ballast Top Lens	SU2NBTL	212
04255-A-120	Substation 150 Watt MV	N/A	
04255-A-HPS-120	Substation 250 Watt HPS Top Lens	SU2A250HP12TL	212
04255-A-MH-120	Substation 250 Watt MH or MV Top Lens	SU2A250MH12TL	212
04255-B-120	Substation 175 Watt MV	SU2A175MH12TL	212
04255-B-MH-120	Substation 175 Watt MH or MV Top Lens	SU2A175MH12TL	212
04255-B100-HPS-120	Substation 150 Watt HPS 100 Volt Top Lens	N/A	
04255-B55-HPS-120	Substation 150 Watt HPS 55 Volt Top Lens	SU1A15AHP12TL	212
04255-C-HPS-120	Substation 100 Watt HPS Top Lens	SU1A100HP12TL	212
04255-D-HPS-120	Substation 70 Watt HPS Top Lens	SU1A070HP12TL	212
04255-NB	Substation 70 - 150 Watt HPS 175 - 250 MH or MV w/o Ballast Top Lens	SU1ANBTL	212
04257-CWA-120	Substation 400 Watt MV	SU2A400MH12TL	212
04257-HPS-120	Substation 400 Watt HPS Top Lens	SU2A400HP12TL	212
04257-MH-120	Substation 400 Watt MH or MV Top Lens	SU2A400MH12TL	212
04257-NB	Substation 400 Watt HPS w/o Ballast Top Lens	SU2ANBTL	212
Small Postop			
06341	Small Postop 100 Watt MV w/o Ballast for 3 O.D. Post	N/A	
06343	Small Postop 150 or 200 Watt Inc. for 3 O.D. Post	N/A	
06344	Small Postop 150 Watt Inc. Slip Fit for 1 Iron Pipe	N/A	
06344-V	Small Postop 150 or 200 Watt Inc. for 1 Iron Pipe Thread	N/A	
06345	Small Postop 150 or 200 Watt Inc. for 1 Iron Pipe Thread with Cast Guard	N/A	
06346	Small Postop 100 Watt MV w/o Ballast Slip Fit for 1 Iron Pipe	N/A	
06346-V	Small Postop 100 Watt MV w/o Ballast for 1 Iron Pipe Thread	N/A	
06349	Small Postop 100 Watt MV w/o Ballast for 1 Iron Pipe Thread with Cast Guard	N/A	
High Mast Luminaire			
1110-120	High Mast Luminaire	HMSDC10MH12S7	180
1118-120-ASY	High Mast Luminaire	HMSTC10MH12A8	180
1118-120-LAN	High Mast Luminaire	HMSTC10MH12L8	180
1118-120-SYM	High Mast Luminaire	HMSTC10MH12S8	180
1119-120-ASY	High Mast Luminaire	HMSTC10MH12A9	180
1119-120-LAN	High Mast Luminaire	HMSTC10MH12L9	180
1119-120-SYM	High Mast Luminaire	HMSTC10MH12S9	180
1131-120	High Mast Luminaire	HMSC400HPXXC7	180
1137-120-ASY	High Mast Luminaire	HMSC400HPXXB7	180
1137-120-LAN	High Mast Luminaire	HMSC400HPXXA7	180
1137-120-SYM	High Mast Luminaire	HMSC400HPXXC7	180
1B.37-120-ASY	High Mast Luminaire	HMST400HP12A8	180
1B.37-120-LAN	High Mast Luminaire	HMST400HP12L8	180
1B.37-120-SYM	High Mast Luminaire	HMST400HP12S8	180
1139-120-ASY	High Mast Luminaire	HMST400HP12A9	180
1139-120-LAN	High Mast Luminaire	HMST400HP12L9	180
1139-120-SYM	High Mast Luminaire	HMST400HP12S9	180
1170-120	High Mast Luminaire	HMSCC10HP12C7	180
1171-120-ASY	High Mast Luminaire	HMSTC10HP12A1	180
1171-120-LAN	High Mast Luminaire	HMSTC10HP12L1	180
1171-120-SYM	High Mast Luminaire	HMSTC10HP12S1	180
Expressway Luminaire			
1210-120	Expressway Luminaire 1000 Watt Metal Halide	N/A	
1215-120	Expressway Luminaire	Suggest HL2A400MH12G1	190
1230-120	Expressway Luminaire	Suggest HL2A400HP12G1	190
1235-120	Expressway Luminaire	Suggest HL2A250HP12G1	190
1240-120	Expressway Luminaire 1000 Watt HPS	N/A	
Spherical Architectural Site Light			
1316-120	Spherical Architectural Site Light 1000 Watt MH or MV Narrow Distribution	Suggest PT3C10MH12AHRK	168
1317-120	Spherical Architectural Site Light 1000 Watt MH or MV Medium Distribution	Suggest PT3C10MH12AHRK	168
1318-120	Spherical Architectural Site Light 1000 Watt MH or MV Wide Distribution	Suggest PT3C10MH12FHRK	168
1336-120	Spherical Architectural Site Light 400 Watt HPS Narrow Distribution	Suggest PT2400HP12AHRK	168
1337-120	Spherical Architectural Site Light 400 Watt HPS Medium Distribution	Suggest PT2400HP12AHRK	168
1338-120	Spherical Architectural Site Light 400 Watt HPS Wide Distribution	Suggest PT2400HP12FHRK	168
1346-120	Spherical Architectural Site Light 400 Watt MH or MV Narrow Distribution	Suggest PT2400MH12AHRK	168
1347-120	Spherical Architectural Site Light 400 Watt MH or MV Medium Distribution	Suggest PT2400MH12AHRK	168
1348-120	Spherical Architectural Site Light 400 Watt MH or MV Wide Distribution	Suggest PT2400MH12FHRK	168
Trailblazer			
140HA-120-BLK	Trailblazer 100 Watt HPS Horizontal Mounting	Suggest PK100HP12HKA use with Parkpak Pole	208
140VP-120-BLK	Trailblazer 100 Watt HPS Vertical Mounting	Suggest PK100HP12VKA use with Parkpak Pole	208
141HA-120-BLK	Trailblazer 100 Watt MV Horizontal Mounting	Suggest PK100MH12HKA use with Parkpak Pole	208
141VP-120-B LK	Trailblazer 100 Watt MV Vertical Mounting	Suggest PK100MH12VKA use with Parkpak Pole	208

Cross Reference Index

Old Catalog Number	Description	New Catalog Number	Page
143HA-120-BLK	Trailblazer 175 Watt MV Horizontal Mounting	Suggest PK175MH12HKA use with Parkpak Pole	208
144HA-120-BLK	Trailblazer 200 Watt PS 30 Inc. Horizontal Mounting	N/A	
144VP-120-BLK	Trailblazer 200 Watt PS 30 Inc. Vertical Mounting	N/A	
145HA-120-BLK	Trailblazer 175 Watt MH Horizontal Mounting	Suggest PK175MH12HKA use with Parkpak Pole	208
Square Postop			
1460-120	Square Postop 1000 Watt MV	Suggest CW3AC10MH12GRCA	174
1460-120-MH	Square Postop 1000 Watt MH	Suggest CW3AC10MH12GRCA	174
1460-HPS-120	Square Postop 1000 Watt HPS	Suggest CW3AC10HP12GRCA	174
1465-120	Square Postop	Suggest CW3AC10MH12GRCA	174
1468-120	Square Postop	Suggest CW3AC10HP12GRCA	174
Trailblazer			
147HA-120-BLK	Trailblazer 70 Watt HPS Horizontal Mounting	Suggest PK070HP12HKA use with Parkpak Pole	208
147VP-120-BLK	Trailblazer 70 Watt HPS Vertical Mounting	Suggest PK070HP12VKA use with Parkpak Pole	208
Wallpack II			
1480-120	Wallpack II	Suggest W4100HP12G	210
1481-120	Wallpack II	N/A	
1482-120	Wallpack II	N/A	
1483-120	Wallpack II	N/A	
1484	Wallpack II	Suggest W4300ING	210
1485-120	Wallpack II	Suggest W4175MH12G	210
1487-120	Wallpack II	Suggest W4070HP12G	210
1488-120	Wallpack II	Suggest W415AHP12G	210
1489-120	Wallpack II	N/A	
Trailblazer			
148HA-120-BLK	Trailblazer 150 Watt 55 Volt HPS Horizontal Mounting	Suggest PK15AHP12HKA use with Parkpak Pole	208
148VP-120-BLK	Trailblazer 150 Watt 55 Volt HPS Vertical Mounting	Suggest PK15AHP12VKA use with Parkpak Pole	208
149HA-120-BLK	Trailblazer 150 Watt 100 Volt HPS Horizontal Mounting	N/A	
149VP-120-BLK	Trailblazer 150 Watt 100 Volt HPS Vertical Mounting	N/A	
Mayfair Luminaire			
1600-120-BZ3	Mayfair Luminaire	Suggest SMST100HP12BZPM	172
1601-120-BZ3	Mayfair 100 Watt MV	N/A	
1602-120-BZ3	Mayfair Previously 250 Watt MV	Suggest SMST250MH12BZPM	172
1603-120-BZ3	Mayfair Previously 175 Watt MV	Suggest SMST175MH12BZPM	172
1605-120-BZ3	Mayfair Luminaire	Suggest SMST175MH12BZPM	172
1607-120-BZ3	Mayfair Luminaire	Suggest SMST070HP12BZPM	172
1608-100-120-BZ3	Mayfair 150 Watt 100 Volt HPS	Suggest SMST15BHP12BZPM	172
1608-120-BZ3	Mayfair Luminaire	Suggest SMST15AHP12BZPM	172
1608-55-120-BZ3	Mayfair 150 Watt 55 Volt HPS	Suggest SMST15AHP12BZPM	172
1609-120-BZ3	Mayfair Luminaire	Suggest SMST15BHP12BZPM	172
1621-120-BZ3	Mayfair Previously 400 Watt MV	Suggest SMST400MH12BZPM	172
1624-120-BZ3	Mayfair Luminaire	Suggest SMST400MH12BZPM	172
1626-120-BZ3	Mayfair Luminaire	Suggest SMST250MH12BZPM	172
1627-120-BZ3	Mayfair Luminaire	Suggest SMST400HP12BZPM	172
1629-120-BZ3	Mayfair Luminaire	Suggest SMST250HP12BZPM	172
1642-120-BZ3	Mayfair 1000 Watt MV	Suggest MS3AC10MH12H3SSZ	172
1645-120-BZ3	Mayfair 1000 Watt MH	Suggest MS3AC10MH12H3SSZ	172
1648-120-BZ3	Mayfair 1000 Watt HPS	Suggest MS3AC10HP12H3SSZ	172
Prismaflood			
1840-120	Prismaflood 250 Watt HPS 6 x 4 Nema Beam Spread	N/A	
1841-120	Prismaflood 250 Watt HPS 3 x 3 Nema Beam Spread	N/A	
1842-120	Prismaflood 250 Watt HPS 5 x 3 Nema Beam Spread	N/A	
1843-120	Prismaflood 250 Watt HPS 3 x 3 Nema Beam Spread	N/A	
1844-120	Prismaflood 1000 Watt HPS 5 x 5 Nema Beam Spread	Suggest PB2C10HP1255W	202
1845-120	Prismaflood 1500 Watt MH 5 x 5 Nema Beam Spread	N/A	
1851-120	Prismaflood 400 Watt MH 3 x 3 Nema Beam Spread or 400 Watt MV 5 x 5 Nema Beam Spread	N/A	
1853-120	Prismaflood 400 Watt HPS 6 x 4 Nema Beam Spread	Suggest PB2400HP1265W	202
1854-120	Prismaflood 400 Watt HPS 3 x 3 Nema Beam Spread	PB2400HPXX33N	202
1856-120	Prismaflood 400 Watt MH 5 x 3 Nema Beam Spread or 400 Watt MV 7 x 5 Nema Beam Spread	Suggest PB2400HP1253W	202
1858-120	Prismaflood 1000 Watt HPS 4 x 4 Nema Beam Spread	PB2C10HPXX44N	202
1859-120	Prismaflood 400 Watt HPS 3 x 3 Nema Beam Spread	PB2400HPXX33N	202
1860-120	Prismaflood 400 Watt HPS 5 x 3 Nema Beam Spread	Suggest PB2400HP1253W	202
1861-120	Prismaflood 1000 Watt MH 3 x 3 Nema Beam Spread or 1000 Watt MV 6 x 6 Nema Beam Spread	Suggest PB2C10MH1233N	202
1862-120	Prismaflood 1000 Watt MH 5 x 3 Nema Beam Spread or 1000 Watt MV 7 x 6 Nema Beam Spread	N/A	
1884-120	Prismaflood 400 Watt MH 6 x 4 Nema Beam Spread or 400 Watt MV 6 x 5 Nema Beam Spread	N/A	

Old to New Catalog Numbers

Old Catalog Number	Description	New Catalog Number	Page
1886-120	Prismaflood 400 Watt MH 3 x 3 Nema Beam Spread or 400 Watt MV 5 x 5 Nema Beam Spread	N/A	
1888-120	Prismaflood 1500 Watt MH 2 x 2 Nema Beam Spread	N/A	
1895-120	Prismaflood 1000 Watt MH 6 x 4 Nema Beam Spread or 1000 Watt MV 7 x 6 Nema Beam Spread	Suggest PB2C10MH1264N	202
1897-120	Prismaflood 1000 Watt MH 4 x 4 Nema Beam Spread or 1000 Watt MV 6 x 6 Nema Beam Spread	Suggest PB2C10MH1244N	202
1898-120	Prismaflood 1500 Watt MH 3 x 3 Nema Beam Spread	Suggest PB2C10MH1233N	202
RSL-200			
201	RSL200 Unballasted 70 100 150 Watt HPS 175 250 MV or MH Top Entry	RS2LNBTA21	188
201-A-CWA-120	RSL200 250 Watt MV CWA Ballast Top Entry	RS2L250MV12TA21	188
201-A-MH-120	RSL200 250 Watt MH Top Entry	RS2L250MH12TA21	188
201-A-NPF-240	RSL200 250 Watt MV Normal Power Factor Ballast Top Entry	RS2L250MV24TA21	188
201-B-100-120	RSL200 150 Watt 100 Volt HPS Top Entry	N/A	
201-B-55-120	RSL200 150 Watt 55 Volt HPS Top Entry	RS2L15AHP12TA21	188
201-B-CWA-120	RSL200 175 Watt MV CWA Ballast Top Entry	RS2L175MV12TA21	188
201-B-MH-120	RSL200 175 Watt MH Top Entry	RS2L175MH12TA21	188
201-B-NPF-240	RSL200 175 Watt MV NPF Ballast Top Entry	N/A	
201-C-HPS-120	RSL200 100 Watt HPS Top Entry	RS2L100HP12TA21	188
201-D-HPS-120	RSL200 70 Watt HPS Top Entry	RS2L070HP12TA21	188
203	RSL200 Unballasted 70 100 150 Watt HPS 175 250 MV or MH Top Entry	RS2LNBTA21	188
203-A-CWA-120	RSL200 250 Watt MV CWA Ballast Top Entry	RS2L250MV12TA21	188
203-A-MH-120	RSL200 250 Watt MH Top Entry	RS2L250MH12TA21	188
203-A-NPF-240	RSL200 250 Watt MV Normal Power Factor Ballast Top Entry	RS2L250MV24TA21	188
203-B-100-120	RSL200 150 Watt 100 Volt HPS Top Entry	N/A	
203-B-55-120	RSL200 150 Watt 55 Volt HPS Top Entry	RS2L15AHP12TA21	188
203-B-CWA-120	RSL200 175 Watt MV CWA Ballast Top Entry	RS2L175MV12TA21	188
203-B-MH-120	RSL200 175 Watt MH Top Entry	RS2L175MH12TA21	188
203-B-NPF-240	RSL200 175 Watt MV NPF Ballast Top Entry	N/A	
203-C-HPS-120	RSL200 100 Watt HPS Top Entry	RS2L100HP12TA21	188
203-D-HPS-120	RSL200 70 Watt HPS Top Entry	RS2L070HP12TA21	188
RSL-200			
204	RSL200 Unballasted 70 100 150 Watt HPS 175 250 MV or MH Top Entry	RS2LNBTD26	188
204-A-CWA-120	RSL200 250 Watt MV CWA Ballast Top Entry	RS2L250MV12TD26	188
204-A-MH-120	RSL200 250 Watt MH Top Entry	RS2L250MH12TD26	188
204-A-NPF-240	RSL200 250 Watt MV Normal Power Factor Ballast Top Entry	RS2L250MV24TD26	188
204-B-100-120	RSL200 150 Watt 100 Volt HPS Top Entry	N/A	
204-B-55-120	RSL200 150 Watt 55 Volt HPS Top Entry	RS2L15AHP12TD26	188
204-B-CWA-120	RSL200 175 Watt MV CWA Ballast Top Entry	RS2L175MV12TD26	188
204-B-MH-120	RSL200 175 Watt MH Top Entry	RS2L175MH12TD26	188
204-B-NPF-240	RSL200 175 Watt MV NPF Ballast Top Entry	N/A	
204-C-HPS-120	RSL200 100 Watt HPS Top Entry	RS2L100HP12TD26	188
204-D-HPS-120	RSL200 70 Watt HPS Top Entry	RS2L070HP12TD26	188
RSL-200			
206	RSL200 Unballasted 70 100 150 Watt HPS 175 250 MV or MH Top Entry	RS2LNBTC24	188
206-A-CWA-120	RSL200 250 Watt MV CWA Ballast Top Entry	RS2L250MV12TC24	188
206-A-MH-120	RSL200 250 Watt MH Top Entry	RS2L250MH12TC24	188
206-A-NPF-240	RSL200 250 Watt MV Normal Power Factor Ballast Top Entry	RS2L250MV24TC24	188
206-B-100-120	RSL200 150 Watt 100 Volt HPS Top Entry	N/A	
206-B-55-120	RSL200 150 Watt 55 Volt HPS Top Entry	RS2L15AHP12TC24	188
206-B-CWA-120	RSL200 175 Watt MV CWA Ballast Top Entry	RS2L175MV12TC24	188
206-B-MH-120	RSL200 175 Watt MH Top Entry	RS2L175MH12TC24	188
206-B-NPF-240	RSL200 175 Watt MV NPF Ballast Top Entry	N/A	
206-C-HPS-120	RSL200 100 Watt HPS Top Entry	RS2L100HP12TC24	188
206-D-HPS-120	RSL200 70 Watt HPS Top Entry	RS2L070HP12TC24	188
RSL-200			
207	RSL200 Unballasted 70 100 150 Watt HPS 175 250 MV or MH Top Entry	RS2LNBTD26	188
207-A-CWA-120	RSL200 250 Watt MV CWA Ballast Top Entry	RS2L250MV12TD26	188
207-A-MH-120	RSL200 250 Watt MH Top Entry	RS2L250MH12TD26	188
207-A-NPF-240	RSL200 250 Watt MV Normal Power Factor Ballast Top Entry	RS2L250MV24TD26	188
207-B-100-120	RSL200 150 Watt 100 Volt HPS Top Entry	N/A	
207-B-55-120	RSL200 150 Watt 55 Volt HPS Top Entry	RS2L15AHP12TD26	188
207-B-CWA-120	RSL200 175 Watt MV CWA Ballast Top Entry	RS2L175MV12TD26	188
207-B-MH-120	RSL200 175 Watt MH Top Entry	RS2L175MH12TD26	188
207-B-NPF-240	RSL200 175 Watt MV NPF Ballast Top Entry	N/A	
207-C-HPS-120	RSL200 100 Watt HPS Top Entry	RS2L100HP12TD26	188
207-D-HPS-120	RSL200 70 Watt HPS Top Entry	RS2L070HP12TD26	188
RSL-200			
211	RSL200 Unballasted 70 100 150 Watt HPS 175 250 MV or MH Side Entry	RS2LNBSA21	188
211-A-CWA-120	RSL200 250 Watt MV CWA Ballast Side Entry	RS2L250MV12SA21	188
211-A-MH-120	RSL200 250 Watt MH Side Entry	RS2L250MH12SA21	188
211-A-NPF-240	RSL200 250 Watt MV Normal Power Factor Ballast Side Entry	RS2L250MV24SA21	188

Cross Reference Index

Old Catalog Number	Description	New Catalog Number	Page
211-B-100-120	RSL200 150 Watt 100 Volt HPS Side Entry	N/A	
211-B-55-120	RSL200 150 Watt 55 Volt HPS Side Entry	RS2L15AHP12SA21	188
211-B-CWA-120	RSL200 175 Watt MV CWA Ballast Side Entry	RS2L175MV12SA21	188
211-B-MH-120	RSL200 175 Watt MH Side Entry	RS2L175MH12SA21	188
211-B-NPF-240	RSL200 175 Watt MV NPF Ballast Side Entry	N/A	
211-C-HPS-120	RSL200 100 Watt HPS Side Entry	RS2L100HP12SA21	188
211-D-HPS-120	RSL200 70 Watt HPS Side Entry	RS2L070HP12SA21	188
213	RSL200 Unballasted 70 100 150 Watt HPS 175 250 MV or MH Side Entry	RS2LNBSA21	188
213-A-CWA-120	RSL200 250 Watt MV CWA Ballast Side Entry	RS2L250MV12SA21	188
213-A-MH-120	RSL200 250 Watt MH Side Entry	RS2L250MH12SA21	188
213-A-NPF-240	RSL200 250 Watt MV Normal Power Factor Ballast Side Entry	RS2L250MV24SA21	188
213-B-100-120	RSL200 150 Watt 100 Volt HPS Side Entry	N/A	
213-B-55-120	RSL200 150 Watt 55 Volt HPS Side Entry	RS2L15AHP12SA21	188
213-B-CWA-120	RSL200 175 Watt MV CWA Ballast Side Entry	RS2L175MV12SA21	188
213-B-MH-120	RSL200 175 Watt MH Side Entry	RS2L175MH12SA21	188
213-B-NPF-240	RSL200 175 Watt MV NPF Ballast Side Entry	N/A	
213-C-HPS-120	RSL200 100 Watt HPS Side Entry	RS2L100HP12SA21	188
213-D-HPS-120	RSL200 70 Watt HPS Side Entry	RS2L070HP12SA21	188
214	RSL200 Unballasted 70 100 150 Watt HPS 175 250 MV or MH Side Entry	RS2LNBDT26	188
214-A-CWA-120	RSL200 250 Watt MV CWA Ballast Side Entry	RS2L250MV12SD26	188
214-A-MH-120	RSL200 250 Watt MH Side Entry	RS2L250MH12SD26	188
214-A-NPF-240	RSL200 250 Watt MV Normal Power Factor Ballast Side Entry	RS2L250MV24SD26	188
214-B-100-120	RSL200 150 Watt 100 Volt HPS Side Entry	N/A	
214-B-55-120	RSL200 150 Watt 55 Volt HPS Side Entry	RS2L15AHP12SD26	188
214-B-CWA-120	RSL200 175 Watt MV CWA Ballast Side Entry	RS2L175MV12SD26	188
214-B-MH-120	RSL200 175 Watt MH Side Entry	RS2L175MH12SD26	188
214-B-NPF-240	RSL200 175 Watt MV NPF Ballast Side Entry	N/A	
214-C-HPS-120	RSL200 100 Watt HPS Side Entry	RS2L100HP12TD26	188
214-D-HPS-120	RSL200 70 Watt HPS Side Entry	RS2L070HP12TD26	188
216	RSL200 Unballasted 70 100 150 Watt HPS 175 250 MV or MH Side Entry	RS2LNBTC24	188
216-A-CWA-120	RSL200 250 Watt MV CWA Ballast Side Entry	RS2L250MV12TC24	188
216-A-MH-120	RSL200 250 Watt MH Side Entry	N/A	
216-A-NPF-240	RSL200 250 Watt MV Normal Power Factor Ballast Side Entry	RS2L250MV24TC24	188
216-B-100-120	RSL200 150 Watt 100 Volt HPS Side Entry	N/A	
216-B-55-120	RSL200 150 Watt 55 Volt HPS Side Entry	RS2L15AHP12TC24	188
216-B-CWA-120	RSL200 175 Watt MV CWA Ballast Side Entry	RS2L175MV12TC24	188
216-B-MH-120	RSL200 175 Watt MH Side Entry	RS2L175MH12TC24	188
216-B-NPF-240	RSL200 175 Watt MV NPF Ballast Side Entry	N/A	
216-C-HPS-120	RSL200 100 Watt HPS Side Entry	RS2L100HP12TC24	188
216-D-HPS-120	RSL200 70 Watt HPS Side Entry	RS2L070HP12TC24	188
217	RSL200 Unballasted 70 100 150 Watt HPS 175 250 MV or MH Side Entry	RS2LNBDT26	188
217-A-CWA-120	RSL200 250 Watt MV CWA Ballast Side Entry	RS2L250MV12TD26	188
217-A-MH-120	RSL200 250 Watt MH Side Entry	N/A	
217-A-NPF-240	RSL200 250 Watt MV Normal Power Factor Ballast Side Entry	RS2L250MV24TD26	188
217-B-100-120	RSL200 150 Watt 100 Volt HPS Side Entry	N/A	
217-B-55-120	RSL200 150 Watt 55 Volt HPS Side Entry	RS2L15AHP12TD26	188
217-B-CWA-120	RSL200 175 Watt MV CWA Ballast Side Entry	RS2L175MV12TD26	188
217-B-MH-120	RSL200 175 Watt MH Side Entry	RS2L175MH12TD26	188
217-B-NPF-240	RSL200 175 Watt MV NPF Ballast Side Entry	N/A	
217-C-HPS-120	RSL200 100 Watt HPS Side Entry	RS2L100HP12TD26	188
217-D-HPS-120	RSL200 70 Watt HPS Side Entry	RS2L070HP12TD26	188
Parkpak			
240-CE-120-BLK-AS	Parkpak	PK100HP12CKA	208
240-CE-120-BLK-SQ	Parkpak	PK100HP12CKS	208
240-FP-120-BLK-AS	Parkpak	PK100HP12FKA	208
240-FP-120-BLK-SQ	Parkpak	PK100HP12FKS	208
240-HA-120-BLK-AS	Parkpak	PK100HP12HKA	208
240-HA-120-BLK-SQ	Parkpak	PK100HP12HKS	208
240-PD-120-BLK-AS	Parkpak	PK100HP12PKA	208
240-PD-120-BLK-SQ	Parkpak	PK100HP12PKS	208
240-QI-120-BLK-AS	Parkpak	PK100HP12QKA	208
240-QI-120-BLK-SQ	Parkpak	PK100HP12QKS	208
240-TW-120-BLK-AS	Parkpak	PK100HP12QKA	208
240-TW-120-BLK-SQ	Parkpak	PK100HP12QKS	208
240-VP-120-BLK-AS	Parkpak	Available thru TSG	
240-VP-120-BLK-SQ	Parkpak	Available thru TSG	
240CE-120-BLK	Parkpak	PK100HP12CKS	208
240HA-120-BLK	Parkpak	PK100HP12HKS	208
240TW-120-BLK	Parkpak	PK100HP12QKS	208
240VP-120-BLK	Parkpak	Available thru TSG	
241-CE-120-BLK-AS	Parkpak 100 Watt Mogul Base MV	Suggest PK10DMH12CKA	208
241-CE-120-BLK-SQ	Parkpak 100 Watt Mogul Base MV	Suggest PK10DMH12CKS	208
241-FP-120-BLK-AS	Parkpak 100 Watt Mogul Base MV	Suggest PK10DMH12FKA	208
241-FP-120-BLK-SQ	Parkpak 100 Watt Mogul Base MV	Suggest PK10DMH12FKS	208
241-HA-120-BLK-AS	Parkpak 100 Watt Mogul Base MV	Suggest PK10DMH12HKA	208
241-HA-120-BLK-SQ	Parkpak 100 Watt Mogul Base MV	Suggest PK10DMH12HKS	208

Old to New Catalog Numbers

Old Catalog Number	Description	New Catalog Number	Page
241-PD-120-BLK-AS	Parkpak 100 Watt Mogul Base MV	Suggest PK10DMH12PKA	208
241-PD-120-BLK-SQ	Parkpak 100 Watt Mogul Base MV	Suggest PK10DMH12PKS	208
241-QI-120-BLK-AS	Parkpak 100 Watt Mogul Base MV	Suggest PK10DMH12QKA	208
241-QI-120-BLK-SQ	Parkpak 100 Watt Mogul Base MV	Suggest PK10DMH12QKS	208
241-TW-120-BLK-AS	Parkpak 100 Watt Mogul Base MV	Suggest PK10DMH12QKA	208
241-TW-120-BLK-SQ	Parkpak 100 Watt Mogul Base MV	Suggest PK10DMH12QKS	208
241-VP-120-BLK-AS	Parkpak 100 Watt Mogul Base MV Vertical Pole Mount	Available thru TSG	
241-VP-120-BLK-SQ	Parkpak 100 Watt Mogul Base MV Vertical Pole Mount	Available thru TSG	
241CE-120-BLK	Parkpak Previously 100 Watt MV	Suggest PK100MH12CKS	208
241HA-120-BLK	Parkpak Previously 100 Watt MV	Suggest PK100MH12HKS	208
241TW-120-BLK	Parkpak Previously 100 Watt MV	Suggest PK100MHQKS	208
241VP-120-BLK	Parkpak Previously 100 Watt MV Vertical Pole Mount	Available thru TSG	
243-HA-120-BLK	Parkpak Previously 175 Watt MV	Suggest PK175MH12HKS	208
243CE-120-BLK	Parkpak Previously 175 Watt MV	Suggest PK175MH12CKS	
1500243TW-120-BLK	Parkpak Previously 175 Watt MV	Suggest PK175MH12QKS	208
244CE-BLK	Parkpak 200 Watt PS30 Inc. Ceiling/Wall Mounting	N/A	
244HA-BLK	Parkpak 200 Watt PS30 Inc. Horizontal Arm Mount	N/A	
244TW-BLK	Parkpak 200 Watt PS30 Inc. Thruway Wiring	N/A	
244VP-BLK	Parkpak 200 Watt PS30 Inc. Vertical Pole Mount	N/A	
245-CE-120-BLK-AS	Parkpak	PK175MH12CKA	208
245-CE-120-BLK-SQ	Parkpak	PK175MH12CKS	208
245-FP-120-BLK-AS	Parkpak	PK175MH12FKA	208
245-FP-120-BLK-SQ	Parkpak	PK175MH12FKS	208
245-HA-120-BLK-AS	Parkpak	PK175MH12HKA	208
245-HA-120-BLK-SQ	Parkpak	PK175MH12HKS	208
245-PD-120-BLK-AS	Parkpak	PK175MH12PKA	208
245-PD-120-BLK-SQ	Parkpak	PK175MH12PKS	208
245-QI-120-BLK-AS	Parkpak	PK175MH12QKA	208
245-QI-120-BLK-SQ	Parkpak	PK175MH12QKS	208
245-TW-120-BLK-AS	Parkpak	PK175MH12QKA	208
245-TW-120-BLK-SQ	Parkpak	PK175MH12QKS	208
245-VP-120-BLK-AS	Parkpak 175 Watt MH or MV Vertical Pole Mount	Available thru TSG	
245-VP-120-BLK-SQ	Parkpak 175 Watt MH or MV Vertical Pole Mount	Available thru TSG	
245CE-120-BLK	Parkpak	PK175MH12CKS	208
245HA-120-BLK	Parkpak	PK175MH12HKS	208
245TW-120-BLK	Parkpak	PK175MH12QKS	208
246-CE-120-BLK-AS	Parkpak	PK050HP12CKA	208
246-CE-120-BLK-SQ	Parkpak	PK050HP12CKS	208
246-FP-120-BLK-AS	Parkpak	PK050HP12CKA	208
246-FP-120-BLK-SQ	Parkpak	PK050HP12FKS	208
246-HA-120-BLK-AS	Parkpak	PK050HP12CKA	208
246-HA-120-BLK-SQ	Parkpak	PK050HP12HKS	208
246-PD-120-BLK-AS	Parkpak	PK050HP12CKA	208
246-PD-120-BLK-SQ	Parkpak	PK050HP12PKS	208
246-QI-120-BLK-AS	Parkpak	PK050HP12CKAS	208
246-QI-120-BLK-SQ	Parkpak	PK050HP12QKS	208
246-TW-120-BLK-AS	Parkpak	PK050HP12CKA	208
246-TW-120-BLK-SQ	Parkpak	PK050HP12QCKS	208
246-VP-120-BLK-AS	Parkpak 175 Watt MH or MV Vertical Pole Mount	Available thru TSG	208
246-VP-120-BLK-SQ	Parkpak 175 Watt MH or MV Vertical Pole Mount	Available thru TSG	208
Square Postop			
2460-120	Square Postop Two 1000 Watt MV	Suggest (2) CW3AC10MH12GRCA With Twin Bracket	174
2460-120-FHW	Square Postop Two 400 Watt MV	Suggest (2) CW3A400MH12GRCA With Twin Bracket	174
2460-HPS-120	Square Postop Two 400 Watt HPS	Suggest (2) CW3A400HP12GRCA With Twin Bracket	174
2460-MH-120	Square Postop Two 1000 Watt MH	Suggest (2) CW3AC10MH12GRCA With Twin Bracket	174
2460-MH-FHW-120	Square Postop Two 400 Watt MH	Suggest (2) CW3A400MH12GRCA With Twin Bracket	174
Parkpak			
247-CE-120-BLK	Parkpak	PK070HP12CKS	208
247-CE-120-BLK-AS	Parkpak	PK070HP12CKS	208
247-FP-120-BLK-AS	Parkpak	PK070HP12FKA	208
247-FP-120-BLK-SQ	Parkpak	PK070HP12FKS	208
247-HA-120-BLK-AS	Parkpak	PK070HP12HKA	208
247-HA-120-BLK-SQ	Parkpak	PK070HP12HKS	208
247-PD-120-BLK-AS	Parkpak	PK070HP12PKA	208
247-PD-120-BLK-SQ	Parkpak	PK070HP12PKS	208
247-QI-120-BLK-AS	Parkpak	PK070HP12QKA	208
247-QI-120-BLK-SQ	Parkpak	PK070HP12QKS	208
247-TW-120-BLK-AS	Parkpak	PK070HP12QKA	208
247-TW-120-BLK-SQ	Parkpak	PK070HP12QKS	208
247-VP-120-BLK-AS	Parkpak 70 Watt HPS Vertical Pole Mount Asymmetric Distribution	Available thru TSG	
247-VP-120-BLK-SQ	Parkpak 70 Watt HPS Vertical Pole Mount Square Distribution	Available thru TSG	

Cross Reference Index

Old Catalog Number	Description	New Catalog Number	Page
247CE-120-BLK	Parkpak	PK070HP12CKS	208
247HA-120-BLK	Parkpak	PK070HP12HKS	208
247TW-120-BLK	Parkpak	PK070HP12QKS	208
247VP-120-BLK	Parkpak 70 Watt HPS Vertical Pole Mount	Available thru TSG	
248-CE-120-BLK-AS	Parkpak	PK15AHP12CKA	208
248-CE-120-BLK-SQ	Parkpak	PK15AHP12CKS	208
248-FP-120-BLK-AS	Parkpak	PK15AHP12FKA	208
248-FP-120-BLK-SQ	Parkpak	PK15AHP12FKS	208
248-HA-120-BLK-AS	Parkpak	PK15AHP12HKA	208
248-HA-120-BLK-SQ	Parkpak	PK15AHP12HKS	208
248-PD-120-BLK-AS	Parkpak	PK15AHP12PKA	208
248-PD-120-BLK-SQ	Parkpak	PK15AHP12PKS	208
248-QI-120-BLK-AS	Parkpak	PK15AHP12QKA	208
248-QI-120-BLK-SQ	Parkpak	PK15AHP12QKS	208
248-TW-120-BLK-AS	Parkpak	PK15AHP12QKA	208
248-TW-120-BLK-SQ	Parkpak	PK15AHP12QKS	208
248-VP-120-BLK-AS	Parkpak150 Watt 55 Volt HPS Vertical Pole Mount Asymmetric Distribution	Available thru TSG	
248-VP-120-BLK-SQ	Parkpak 150 Watt 55 Volt HPS Vertical Pole Mount Square Distribution	Available thru TSG	
248CE-120-BLK	Parkpak	PK15AHP12CKS	208
248HA-120-BLK	Parkpak	PK15AHP12HKS	208
248TW-120-BLK	Parkpak	PK15AHP12QKS	208
248VP-120-BLK	Parkpak 150 Watt 55 Volt HPS Vertical Pole Mount	N/A	
249-CE-120-BLK-AS	Parkpak 150 Watt 100 Volt HPS Ceiling Mount Asymmetric Distribution	N/A	
249-CE-120-BLK-SQ	Parkpak 150 Watt 100 Volt HPS Ceiling Mount Square Distribution	N/A	
249-FP-120-BLK-AS	Parkpak 150 Watt 100 Volt HPS Flexible Pendant Mount Asymmetric Distribution	N/A	
249-FP-120-BLK-SQ	Parkpak 150 Watt 100 Volt HPS Flexible Pendant Mount Square Distribution	N/A	
249-HA-120-BLK-AS	Parkpak 150 Watt 100 Volt HPS Horizontal Arm Mount Asymmetric Distribution	N/A	
249-HA-120-BLK-SQ	Parkpak 150 Watt 100 Volt HPS Horizontal Arm Mount Square Distribution	N/A	
249-PD-120-BLK-AS	Parkpak 150 Watt 100 Volt HPS Pendant Mount Asymmetric Distribution	N/A	
249-PD-120-BLK-SQ	Parkpak 150 Watt 100 Volt HPS Pendant Mount Square Distribution	N/A	
249-QI-120-BLK-AS	Parkpak 150 Watt 100 Volt HPS Quick Install Asymmetric Distribution	N/A	
249-QI-120-BLK-SQ	Parkpak 150 Watt 100 Volt HPS Quick Install Square Distribution	N/A	
249-TW-120-BLK-AS	Parkpak 150 Watt 100 Volt HPS Thruway Wiring Asymmetric Distribution	N/A	
249-TW-120-BLK-SQ	Parkpak 150 Watt 100 Volt HPS Thruway Wiring Square Distribution	N/A	
249-VP-120-BLK-AS	Parkpak 150 Watt 100 Volt HPS Vertical Pole Mount Asymmetric Distribution	N/A	
249-VP-120-BLK-SQ	Parkpak 150 Watt 100 Volt HPS Vertical Pole Mount Square Distribution	N/A	
249CE-120-BLK	Parkpak 150 Watt 100 Volt HPS Ceiling/Wall Mount	N/A	
249HA-120-BLK	Parkpak 150 Watt 100 Volt HPS Horizontal Arm Mount	N/A	
249TW-120-BLK	Parkpak 150 Watt 100 Volt HPS Thruway Wiring	N/A	
249VP-120-BLK	Parkpak 150 Watt 100 Volt HPS Vertical Pole Mount	N/A	
Vista II			
260B120/N10/E8	Vista III 175 Watt MV Single Postop 8' Direct Embedment Pole Square Refractor	N/A	
260B120/N20/E10	Vista III 175 Watt MV Double Postop 10' Direct Embedment Pole Square Refractor	N/A	
260B120/N30/E10	Vista III 175 Watt MV Triple Postop 10' Direct Embedment Pole Square Refractor	N/A	
260B120/N31/E10	Vista III 175 Watt MV Three Plus One Postop 10' Direct Embedment Pole Square Refractor	N/A	
260B120/N40/E10	Vista III 175 Watt MV Quadruple Postop 10' Direct Embedment Pole Square Refractor	N/A	
260B120/N41/E10	Vista III 175 Watt MV Four Plus One Postop 10' Direct Embedment Pole Square Refractor	N/A	
260B120/WB1	Vista III 175 Watt MV Single Wall Bracket Square Refractor	N/A	
260B120/WB2	Vista III 175 Watt MV Double Wall Bracket Square Refractor	N/A	
260B120/WB3	Vista III 175 Watt MV Three Arm Wall Bracket Square Refractor	N/A	
260C120/N10/E8	Vista III 100 Watt MV Single Postop 8' Direct Embedment Pole Square Refractor	N/A	
260C120/N20/E10	Vista III 100 Watt MV Double Postop 10' Direct Embedment Pole Square Refractor	N/A	
260C120/N30/E10	Vista III 100 Watt MV Triple Postop 10' Direct Embedment Pole Square Refractor	N/A	
260C120/N31/E10	Vista III 100 Watt MV Three Plus One Postop 10' Direct Embedment Pole Square Refractor	N/A	
260C120/N40/E10	Vista III 100 Watt MV Quadruple Postop 10' Direct Embedment Pole Square Refractor	N/A	
260C120/N41/E10	Vista III 100 Watt MV Four Plus One Postop 10' Direct Embedment Pole Square Refractor	N/A	
260C120/WB1	Vista III 100 Watt MV Single Wall Bracket Square Refractor	N/A	
260C120/WB2	Vista III 100 Watt MV Double Wall Bracket Square Refractor	N/A	
260C120/WB3	Vista III 100 Watt MV Three Arm Wall Bracket Square Refractor	N/A	
260INC/N10/E8	Vista III Inc. Single Postop 8' Direct Embedment Pole Square Refractor	N/A	
260INC/N20/E10	Vista III Inc. Double Postop 10' Direct Embedment Pole Square Refractor	N/A	
260INC/N30/E10	Vista III Inc. Triple Postop 10' Direct Embedment Pole Square Refractor	N/A	
260INC/N31/E10	Vista III Inc. Three Plus One Postop 10' Direct Embedment Pole Square Refractor	N/A	
260INC/N40/E10	Vista III Inc. Quadruple Postop 10' Direct Embedment Pole Square Refractor	N/A	
260INC/N41/E10	Vista III Inc. Four Plus One Postop 10' Direct Embedment Pole Square Refractor	N/A	
260INC/WB1	Vista III Inc. Single Wall Bracket Square Refractor	N/A	
260INC/WB2	Vista III Inc. Double Wall Bracket Square Refractor	N/A	
260INC/WB3	Vista III Inc. Three Arm Wall Bracket Square Refractor	N/A	
260M120/N10/E8	Vista III 70 Watt HPS Single Postop 8' Direct Embedment Pole Square Refractor	N/A	
260M120/N20/E10	Vista III 70 Watt HPS Double Postop 10' Direct Embedment Pole Square Refractor	N/A	

Old to New Catalog Numbers

Old Catalog Number	Description	New Catalog Number	Page
260M120/N30/E10	Vista III 70 Watt HPS Triple Postop 10' Direct Embedment Pole Square Refractor	N/A	
260M120/N31/E10	Vista III 70 Watt HPS Three Plus One Postop 10' Direct Embedment Pole Square Refractor	N/A	
260M120/N40/E10	Vista III 70 Watt HPS Quadruple Postop 10' Direct Embedment Pole Square Refractor	N/A	
260M120/N41/E10	Vista III 70 Watt HPS Four Plus One Postop 10' Direct Embedment Pole Square Refractor	N/A	
260M120/WB1	Vista III 70 Watt HPS Single Wall Bracket Square Refractor	N/A	
260M120/WB2	Vista III 70 Watt HPS Double Wall Bracket Square Refractor	N/A	
261B120/N10/E8	Vista III 175 Watt MV Single Postop 8' Direct Embedment Pole Tapered Refractor	N/A	
261B120/N20/E10	Vista III 175 Watt MV Double Postop 10' Direct Embedment Pole Tapered Refractor	N/A	
261B120/N30/E10	Vista III 175 Watt MV Triple Postop 10' Direct Embedment Pole Tapered Refractor	N/A	
261B120/N31/E10	Vista III 175 Watt MV Three Plus One Postop 10' Direct Embedment Pole Tapered Refractor	N/A	
261B120/N40/E10	Vista III 175 Watt MV Quadruple Postop 10' Direct Embedment Pole Tapered Refractor	N/A	
261B120/N41/E10	Vista III 175 Watt MV Four Plus One Postop 10' Direct Embedment Pole Tapered Refractor	N/A	
261B120/WB1	Vista III 175 Watt MV Single Wall Bracket Tapered Refractor	N/A	
261B120/WB2	Vista III 175 Watt MV Double Wall Bracket Tapered Refractor	N/A	
261B120/WB3	Vista III 175 Watt MV Three Arm Wall Bracket Tapered Refractor	N/A	
261C120/N10/E8	Vista III 100 Watt MV Single Postop 8' Direct Embedment Pole Tapered Refractor	N/A	
261C120/N20/E10	Vista III 100 Watt MV Double Postop 10' Direct Embedment Pole Tapered Refractor	N/A	
261C120/N30/E10	Vista III 100 Watt MV Triple Postop 10' Direct Embedment Pole Tapered Refractor	N/A	
261C120/N31/E10	Vista III 100 Watt MV Three Plus One Postop 10' Direct Embedment Pole Tapered Refractor	N/A	
261C120/N40/E10	Vista III 100 Watt MV Quadruple Postop 10' Direct Embedment Pole Tapered Refractor	N/A	
261C120/N41/E10	Vista III 100 Watt MV Four Plus One Postop 10' Direct Embedment Pole Tapered Refractor	N/A	
261C120/WB1	Vista III 100 Watt MV Single Wall Bracket Tapered Refractor	N/A	
261C120/WB2	Vista III 100 Watt MV Double Wall Bracket Tapered Refractor	N/A	
261C120/WB3	Vista III 100 Watt MV Three Arm Wall Bracket Tapered Refractor	N/A	
261INC/N10/E8	Vista III Inc. Single Postop 8' Direct Embedment Pole Tapered Refractor	N/A	
261INC/N20/E10	Vista III Inc. Double Postop 10' Direct Embedment Pole Tapered Refractor	N/A	
261INC/N30/E10	Vista III Inc. Triple Postop 10' Direct Embedment Pole Tapered Refractor	N/A	
261INC/N31/E10	Vista III Inc. Three Plus One Postop 10' Direct Embedment Pole Tapered Refractor	N/A	
261INC/N40/E10	Vista III Inc. Quadruple Postop 10' Direct Embedment Pole Tapered Refractor	N/A	
261INC/N41/E10	Vista III Inc. Four Plus One Postop 10' Direct Embedment Pole Tapered Refractor	N/A	
261INC/WB1	Vista III Inc. Single Wall Bracket Tapered Refractor	N/A	
261INC/WB2	Vista III Inc. Double Wall Bracket Tapered Refractor	N/A	
261INC/WB3	Vista III Inc. Three Arm Wall Bracket Tapered Refractor	N/A	
261M120/N10/E8	Vista III 70 Watt HPS Single Postop 8' Direct Embedment Pole Tapered Refractor	N/A	
261M120/N20/E10	Vista III 70 Watt HPS Double Postop 10' Direct Embedment Pole Tapered Refractor	N/A	
261M120/N30/E10	Vista III 70 Watt HPS Triple Postop 10' Direct Embedment Pole Tapered Refractor	N/A	
261M120/N31/E10	Vista III 70 Watt HPS Three Plus One Postop 10' Direct Embedment Pole Tapered Refractor	N/A	
261M120/N40/E10	Vista III 70 Watt HPS Quadruple Postop 10' Direct Embedment Pole Tapered Refractor	N/A	
261M120/N41/E10	Vista III 70 Watt HPS Four Plus One Postop 10' Direct Embedment Pole Tapered Refractor	N/A	
261M120/WB1	Vista III 70 Watt HPS Single Wall Bracket Tapered Refractor	N/A	
261M120/WB2	Vista III 70 Watt HPS Double Wall Bracket Tapered Refractor	N/A	
262B120/N10/E8	Vista III 175 Watt MV Single Postop 8' Direct Embedment Pole Elliptical Refractor	N/A	
262B120/N20/E10	Vista III 175 Watt MV Double Postop 10' Direct Embedment Pole Elliptical Refractor	N/A	
262B120/N30/E10	Vista III 175 Watt MV Triple Postop 10' Direct Embedment Pole Elliptical Refractor	N/A	
262B120/N31/E10	Vista III 175 Watt MV Three Plus One Postop 10' Direct Embedment Pole Elliptical Refractor	N/A	
262B120/N40/E10	Vista III 175 Watt MV Quadruple Postop 10' Direct Embedment Pole Elliptical Refractor	N/A	
262B120/N41/E10	Vista III 175 Watt MV Four Plus One Postop 10' Direct Embedment Pole Elliptical Refractor	N/A	
262B120/WB1	Vista III 175 Watt MV Single Wall Bracket Elliptical Refractor	N/A	
262B120/WB2	Vista III 175 Watt MV Double Wall Bracket Elliptical Refractor	N/A	
262B120/WB3	Vista III 175 Watt MV Three Arm Wall Bracket Elliptical Refractor	N/A	
262C120/N10/E8	Vista III 100 Watt MV Single Postop 8' Direct Embedment Pole Elliptical Refractor	N/A	
262C120/N20/E10	Vista III 100 Watt MV Double Postop 10' Direct Embedment Pole Elliptical Refractor	N/A	
262C120/N30/E10	Vista III 100 Watt MV Triple Postop 10' Direct Embedment Pole Elliptical Refractor	N/A	
262C120/N31/E10	Vista III 100 Watt MV Three Plus One Postop 10' Direct Embedment Pole Elliptical Refractor	N/A	
262C120/N40/E10	Vista III 100 Watt MV Quadruple Postop 10' Direct Embedment Pole Elliptical Refractor	N/A	
262C120/N41/E10	Vista III 100 Watt MV Four Plus One Postop 10' Direct Embedment Pole Elliptical Refractor	N/A	
262C120/WB1	Vista III 100 Watt MV Single Wall Bracket Elliptical Refractor	N/A	
262C120/WB2	Vista III 100 Watt MV Double Wall Bracket Elliptical Refractor	N/A	
262C120/WB3	Vista III 100 Watt MV Three Arm Wall Bracket Elliptical Refractor	N/A	
262INC/N10/E8	Vista III Inc. Single Postop 8' Direct Embedment Pole Elliptical Refractor	N/A	
262INC/N20/E10	Vista III Inc. Double Postop 10' Direct Embedment Pole Elliptical Refractor	N/A	
262INC/N30/E10	Vista III Inc. Triple Postop 10' Direct Embedment Pole Elliptical Refractor	N/A	
262INC/N31/E10	Vista III Inc. Three Plus One Postop 10' Direct Embedment Pole Elliptical Refractor	N/A	
262INC/N40/E10	Vista III Inc. Quadruple Postop 10' Direct Embedment Pole Elliptical Refractor	N/A	
262INC/N41/E10	Vista III Inc. Four Plus One Postop 10' Direct Embedment Pole Elliptical Refractor	N/A	
262INC/WB1	Vista III Inc. Single Wall Bracket Elliptical Refractor	N/A	
262INC/WB2	Vista III Inc. Double Wall Bracket Elliptical Refractor	N/A	
262INC/WB3	Vista III Inc. Three Arm Wall Bracket Elliptical Refractor	N/A	
262M120/N10/E8	Vista III 70 Watt HPS Single Postop 8' Direct Embedment Pole Elliptical Refractor	N/A	

Cross Reference Index

Old Catalog Number	Description	New Catalog Number	Page
262M120/N20/E10	Vista III 70 Watt HPS Double Postop 10' Direct Embedment Pole Elliptical Refractor	N/A	
262M120/N30/E10	Vista III 70 Watt HPS Triple Postop 10' Direct Embedment Pole Elliptical Refractor	N/A	
262M120/N31/E10	Vista III 70 Watt HPS Three Plus One Postop 10' Direct Embedment Pole Elliptical Refractor	N/A	
262M120/N40/E10	Vista III 70 Watt HPS Quadruple Postop 10' Direct Embedment Pole Elliptical Refractor	N/A	
262M120/N41/E10	Vista III 70 Watt HPS Four Plus One Postop 10' Direct Embedment Pole Elliptical Refractor	N/A	
262M120/WB1	Vista III 70 Watt HPS Single Wall Bracket Elliptical Refractor	N/A	
262M120/WB2	Vista III 70 Watt HPS Double Wall Bracket Elliptical Refractor	N/A	
Prismbeam			
2844-120	Prismbeam	PB2C10HP1255W	202
2845-120	Prismbeam	N/A	
2853-120	Prismbeam	PB2400HP1264N	202
2858-120	Prismbeam	PB2C10HP1244N	202
2859-120	Prismbeam	PB2400HPB.83N	202
2895-120	Prismbeam	PB2C10MH1264N	202
2897-120	Prismbeam	PB2C10MH1244N	202
2898-120	Prismbeam	PB2C15MHB.83N	202
SSL-18			
3410-1-120-BZ3	SSL-18 100 Watt HPS Asymmetric Distribution	N/A	
3411-1-120-BZ3	SSL18 100 Watt MV Asymmetric Distribution	N/A	
3412-1-120-BZ3	SSL18 250 Watt MV Asymmetric Distribution	N/A	
3413-1-120-BZ3	SSL18 175 Watt MV Asymmetric Distribution	N/A	
3415-1-120-BZ3	SSL18 175 Watt MH Asymmetric Distribution	N/A	
3417-1-120-BZ3	SSL-18 70 Watt HPS Asymmetric Distribution	N/A	
3418-1-120-BZ3	SSL-18 150 Watt 55 Volt HPS Asymmetric Distribution	N/A	
3419-1-120-BZ3	SSL-18 150 Watt 100 Volt HPS Asymmetric Distribution	N/A	
RSL-350			
350-A-CWA-120	RSL350 250 Watt MV Asymmetric Glass Refractor	N/A	
350-A-MH-120	RSL350 250 Watt MH Asymmetric Glass Refractor	N/A	
350-B-100-120	RSL350 150 Watt 100 Volt HPS Asymmetric Glass Refractor	N/A	
350-B-55-120	RSL350 150 Watt 55 Volt HPS Asymmetric Glass Refractor	RP15AHP12AG3	42, 43
350-B-CWA-120	RSL350 175 Watt MV Asymmetric Glass Refractor	N/A	
350-B-MH-120	RSL350 175 Watt MH Asymmetric Glass Refractor	RP175MH12AG3	42, 43
350-C-HPS-120	RSL350 100 Watt HPS Asymmetric Glass Refractor	RP100HP12AG3	42, 43
350-D-HPS-120	RSL350 70 Watt HPS Asymmetric Glass Refractor	RP070HP12AG3	42, 43
3501-120-BLK	RSL350 100 Watt MV Asymmetric Glass Refractor	N/A	
3502-120-BLK	RSL350 250 Watt MV Asymmetric Glass Refractor	N/A	
3503-120-BLK	RSL350 175 Watt MV Asymmetric Glass Refractor	N/A	
3506-120-BLK	RSL350 175 Watt MH Asymmetric Glass Refractor	RP175MH12BG3	42, 43
3507-120-BLK	RSL350 70 Watt HPS Asymmetric Glass Refractor	RP070HP12BG3	42, 43
3508-120-BLK	RSL350 150 Watt 55 Volt HPS Asymmetric Glass Refractor	RP15AHP12BG3	42, 43
3509-120-BLK	RSL350 150 Watt 100 Volt HPS Asymmetric Glass Refractor	N/A	
SSL-18			
3510-1-120-BZ3	SSL-18 100 Watt HPS Long and Narrow Distribution	N/A	
3510-5-120-BZ3	SSL-18 100 Watt HPS Symmetric Distribution	N/A	
3511-1-120-BZ3	SSL18 100 Watt MV Long and Narrow Distribution	N/A	
3511-5-120-BZ3	SSL18 100 Watt MV Symmetric Distribution	N/A	
3512-1-120-BZ3	SSL18 250 Watt MV Long and Narrow Distribution	N/A	
3512-5-120-BZ3	SSL18 250 Watt MV Symmetric Distribution	N/A	
3513-1-120-BZ3	SSL18 175 Watt MV Long and Narrow Distribution	N/A	
3513-5-120-BZ3	SSL18 175 Watt MV Symmetric Distribution	N/A	
3515-1-120-BZ3	SSL18 175 Watt MH Long and Narrow Distribution	N/A	
3515-5-120-BZ3	SSL18 175 Watt MH Symmetric Distribution	N/A	
3517-1-120-BZ3	SSL-18 70 Watt HPS Long and Narrow Distribution	N/A	
3517-5-120-BZ3	SSL-18 70 Watt HPS Symmetric Distribution	N/A	
3518-1-120-BZ3	SSL-18 150 Watt 55 Volt HPS Long and Narrow Distribution	N/A	
3518-5-120-BZ3	SSL-18 150 Watt 55 Volt HPS Symmetric Distribution	N/A	
3519-1-120-BZ3	SSL-18 150 Watt 100 Volt HPS Long and Narrow Distribution	N/A	
3519-5-120-BZ3	SSL-18 150 Watt 100 Volt HPS Symmetric Distribution	N/A	
RSL-350			
353-A-CWA-120	RSL350 250 Watt MV Asymmetric Polycarbonate Refractor	N/A	
353-A-MH-120	RSL350 250 Watt MH Asymmetric Polycarbonate Refractor	N/A	
353-B-100-120	RSL350 150 Watt 100 Volt HPS Asymmetric Polycarbonate Refractor	N/A	
353-B-55-120	RSL350 150 Watt 55 Volt HPS Asymmetric Polycarbonate Refractor	RP15AHP12AP3	42
353-B-CWA-120	RSL350 175 Watt MV Asymmetric Polycarbonate Refractor	N/A	
353-B-MH-120	RSL350 175 Watt MH Asymmetric Polycarbonate Refractor	RP175MH12AP3	42
353-C-HPS-120	RSL350 100 Watt HPS Asymmetric Polycarbonate Refractor	RP100HP12AP3	42
353-D-HPS-120	RSL350 70 Watt HPS Asymmetric Polycarbonate Refractor	RP070HP12AP3	42
3530-120-BLK	RSL350 100 Watt HPS Asymmetric Polycarbonate Refractor	RP100HP12AP3	42
3531-120-BLK	RSL350 100 Watt MV Asymmetric Polycarbonate Refractor	N/A	
3532-120-BLK	RSL350 250 Watt MV Asymmetric Polycarbonate Refractor	N/A	
3533-120-BLK	RSL350 175 Watt MV Asymmetric Polycarbonate Refractor	N/A	
3536-120-BLK	RSL350 175 Watt MH Asymmetric Polycarbonate Refractor	RP175MH12BP3	42
3537-120-BLK	RSL350 70 Watt HPS Asymmetric Polycarbonate Refractor	RP070HP12BP3	42
3538-120-BLK	RSL350 150 Watt 55 Volt HPS Asymmetric Polycarbonate Refractor	RP15AHP12BP3	42

Old to New Catalog Numbers

Old Catalog Number	Description	New Catalog Number	Page
3539-120-BLK	RSL350 150 Watt 100 Volt HPS Asymmetric Polycarbonate Refractor	N/A	
355-A-CWA-120	RSL350 250 Watt MV Symmetric Polycarbonate Refractor	N/A	
355-A-MH-120	RSL350 250 Watt MH Symmetric Polycarbonate Refractor	N/A	
355-B-100-120	RSL350 150 Watt 100 Volt HPS Symmetric Polycarbonate Refractor	N/A	
355-B-55-120	RSL350 150 Watt 55 Volt HPS Symmetric Polycarbonate Refractor	RP15AHP12AP5	42
355-B-CWA-120	RSL350 175 Watt MV Symmetric Polycarbonate Refractor	N/A	
355-B-MH-120	RSL350 175 Watt MH Symmetric Polycarbonate Refractor	RP175MH1212AP5	42
355-C-HPS-120	RSL350 100 Watt HPS Symmetric Polycarbonate Refractor	RP100HP1212AP5	42
355-D-HPS-120	RSL350 70 Watt HPS Symmetric Polycarbonate Refractor	RP070HP1212AP5	42
3550-120-BLK	RSL350 100 Watt HPS Symmetric Polycarbonate Refractor	RP100HP12BP5	42
3551-120-BLK	RSL350 100 Watt MV Symmetric Polycarbonate Refractor	N/A	
3552-120-BLK	RSL350 250 Watt MV Symmetric Polycarbonate Refractor	N/A	
3553-120-BLK	RSL350 175 Watt MV Symmetric Polycarbonate Refractor	N/A	
3556-120-BLK	RSL350 175 Watt MH Symmetric Polycarbonate Refractor	RP175MH12BP5	42
3557-120-BLK	RSL350 70 Watt HPS Symmetric Polycarbonate Refractor	RP070HP12BP5	42
3558-120-BLK	RSL350 150 Watt 55 Volt HPS Symmetric Polycarbonate Refractor	RP15AHP12BP5	42
3559-120-BLK	RSL350 150 Watt 100 Volt HPS Symmetric Polycarbonate Refractor	N/A	
Square Postop			
360-120	Square Postop 250 Watt MV	Suggest CW2A250MH12GRCA	174
360-B-100-120	Square Postop 150 Watt 100 Volt HPS	N/A	
360-B-55-120	Square Postop 150 Watt 55 Volt HPS	Suggest CW2A15AHP12GRCA	174
360-C-HPS-120	Square Postop 100 Watt HPS	Suggest CW2A100HP12GRCA	174
360-D-HPS-120	Square Postop 70 Watt HPS	Suggest CW2A070HP12GRCA	174
360-MH-120	Square Postop 250 Watt MH	Suggest CW2A250MH12GRCA	174
3600-120	Square Postop	Suggest CW2A100HP12GRCA	174
3605-120	Square Postop	Suggest CW2A175MH12GRCA	174
3606-120	Square Postop	Suggest CW2A250MH12GRCA	174
3607-120	Square Postop	Suggest CW2A070HP12GRCA	174
3608-120	Square Postop	Suggest CW2A15AHP12GRCA	174
3609-120	Square Postop	Suggest CW2A15BHP12GRCA	174
364-120	Square Postop 175 Watt MV	Suggest CW2A175MH12GRCA	174
364-MH-120	Square Postop 175 Watt MH	Suggest CW2A175MH12GRCA	174
Wallpackette			
400	Wallpackette	N/A	
406NS-120	Wallpackette	N/A	
408NS	Wallpackette	N/A	
410	Wallpackette previously with medium base socket	N/A	
412-120	Wallpackette	N/A	
412NS-120	Wallpackette	N/A	
414	Wallpackette Q250DC Tungsten Halogen	N/A	
415	Wall Luminaire	N/A	
417-120	Wallpackette 175 Watt MV	N/A	
417NS-120	Wallpackette	N/A	
419-120	Wallpackette 70 Watt HPS	N/A	
419NS-120	Wallpackette	N/A	
Refractopack			
441-1-120	Refractopack 400 Watt MV Side Entry Long and Narrow Distribution	Contact Sales Representative	
441-3-120	Refractopack 400 Watt MV Side Entry Asymmetric Distribution	Contact Sales Representative	
441-5-120	Refractopack 400 Watt MV Side Entry Square Distribution	Contact Sales Representative	
442	Refractopack 500 Watt Inc or 400 Watt MV w/o Ballast Side Entry with PR Receptacle Only Asymmetric	Contact Sales Representative	
444	Refractopack 500 Watt Inc or 400 Watt MV w/o Ballast Side Entry Asymmetric	Contact Sales Representative	
444-1-120	Refractopack	Contact Sales Representative	
444-3-120	Refractopack	Contact Sales Representative	
444-5-120	Refractopack	Contact Sales Representative	
445	Refractopack 500 Watt Inc or 400 Watt MV w/o Ballast Top Entry Asymmetric Distribution	Contact Sales Representative	
446	Refractopack 500 Watt Inc or 400 Watt MV w/o Ballast Side Entry PR Receptacle Only Square Distribution	Contact Sales Representative	
Square Postop			
4460-120	Square Postop Four 1000 Watt MV	Suggest (4) CW3AC10MH12GRCA With Quad Bracket	174
4460-120-FHW	Square Postop Four 400 Watt MV	Suggest (4) CW3A400MH12GRCA With Quad Bracket	174
4460-HPS-120	Square Postop Four 400 Watt HPS	Suggest (4) CW3A400HP12GRCA With Quad Bracket	174
4460-MH-120	Square Postop Four 1000 Watt MH	Suggest (4) CW3AC10MHGRCA With Quad Bracket	174
4460-MH-FHW-120	Square Postop Four 400 Watt MH	Suggest (4) CW3A400MH12GRCA With Quad Bracket	174
Refractopack			
447-1-120	Refractopack	Contact Sales Representative	
447-3-120	Refractopack	Contact Sales Representative	
447-5-120	Refractopack	Contact Sales Representative	
448	Refractopack 500 Watt Inc or 400 Watt MV w/o Ballast Side Entry Square Distribution	Contact Sales Representative	

Cross Reference Index

Old Catalog Number	Description	New Catalog Number	Page
449	Refractopack 500 Watt Inc or 400 Watt MV w/o Ballast Top Entry Square Distribution	Contact Sales Representative	
449-1-120	Refractopack	Contact Sales Representative	
449-3-120	Refractopack	Contact Sales Representative	
449-5-120	Refractopack	Contact Sales Representative	
450	Refractopack 500 Watt Inc or 400 Watt MV Side Entry with PR Receptacle Only Long and Narrow	Contact Sales Representative	
451-1-120	Refractopack Previously 400 Watt MV	Contact Sales Representative	
451-3-120	Refractopack Previously 400 Watt MV	Contact Sales Representative	
451-5-120	Refractopack Previously 400 Watt MV	Contact Sales Representative	
452	Refractopack 500 Watt Inc or 400 Watt MV w/o Ballast Side Entry Long and Narrow	Contact Sales Representative	
453	Refractopack 500 Watt Inc or 400 Watt MV w/o Ballast Top Entry Long and Narrow	Contact Sales Representative	
454-1-120	Refractopack	Contact Sales Representative	
454-120	Refractopack 400 Watt MV Side Entry Asymmetric Distribution	Contact Sales Representative	
454-3-120	Refractopack	Contact Sales Representative	
454-5-120	Refractopack	Contact Sales Representative	
455-120	Refractopack 400 Watt MV Side Entry Square Distribution	Contact Sales Representative	
456-120	Refractopack 400 Watt MV Side Entry Asymmetric Distribution	Contact Sales Representative	
457-1-120	Refractopack	Contact Sales Representative	
457-120	Refractopack 400 Watt MV Side Entry with PR Receptacle Only Square Distribution	Contact Sales Representative	
457-3-120	Refractopack	Contact Sales Representative	
457-5-120	Refractopack	Contact Sales Representative	
458-120	Refractopack 400 Watt MV Top Entry Asymmetric Distribution	Contact Sales Representative	
459-1-120	Refractopack	Contact Sales Representative	
459-120	Refractopack 400 Watt MV Top Entry Square Distribution	Contact Sales Representative	
459-3-120	Refractopack	Contact Sales Representative	
459-5-120	Refractopack	Contact Sales Representative	
Square Postop			
460-120	Square Postop 400 Watt MV	Suggest CW3A400MH12GRCA	174
460-HPS-120	Square Postop 250 Watt HPS	Suggest CW3A250HP12GRCA	174
460-MH-120	Square Postop 400 Watt MH	Suggest CW3A400MH12GRCA	174
4604-120	Square Postop	Suggest CW3A400MH12GRCA	174
4607-120	Square Postop	Suggest CW3A400HP12GRCA	174
4609-120	Square Postop	Suggest CW3A250HP12GRCA	174
467-HPS-120	Square Postop 400 Watt HPS	Suggest CW3A400HP12GRCA	174
Refractopack			
472-120	Refractopack 400 Watt MV Side Entry Long and Narrow Distribution	Contact Sales Representative	
473-120	Refractopack 400 Watt MV Side Entry with PR Receptacle Only Long and Narrow	Contact Sales Representative	
477-120	Refractopack 400 Watt MV Top Entry Long and Narrow Distribution	Contact Sales Representative	
Wallpack			
480	Wallpack Previously With Left Side Conduit Entry	Contact Sales Representative	
481	Wallpack 175 or 250 Watt MH or MV for remote ballast With Left Side Conduit Entry	Contact Sales Representative	
481-HPS	Wallpack 250 Watt High Pressure Sodium for remote ballast With Left Side Conduit Entry	Contact Sales Representative	
482-120	Wallpack Previously With Left Side Conduit Entry	Contact Sales Representative	
483-120	Wallpack Previously With Left Side Conduit Entry	Contact Sales Representative	
484-100-120	Wallpack Previously With Left Side Conduit Entry	Contact Sales Representative	
484-55-120	Wallpack Previously With Left Side Conduit Entry	Contact Sales Representative	
485-100-120	Wallpack Previously With Left Side Conduit Entry	Contact Sales Representative	
485-55-120	Wallpack Previously With Left Side Conduit Entry	Contact Sales Representative	
486-120	Wallpack Previously With Left Side Conduit Entry	Contact Sales Representative	
487-120	Wallpack Previously With Left Side Conduit Entry	Contact Sales Representative	
488-120	Wallpack Previously With Left Side Conduit Entry	Contact Sales Representative	
488-MH-120	Wallpack Previously With Left Side Conduit Entry	Contact Sales Representative	
489-120	Wallpack Previously With Left Side Conduit Entry	Contact Sales Representative	
489-MH-120	Wallpack Previously With Left Side Conduit Entry	Contact Sales Representative	
Wallpack			
588-120	Wallpack Previously With Left Side Conduit Entry	Contact Sales Representative	
588-MH-120	Wallpack Previously With Left Side Conduit Entry	Contact Sales Representative	
589-120	Wallpack Previously With Left Side Conduit Entry	Contact Sales Representative	
589-MH-120	Wallpack Previously With Left Side Conduit Entry	Contact Sales Representative	
Module 600			
600-120-BA	Module 600	Suggest MW100HP12K	206
600-120-EA	Module 600 100 Watt High Pressure Sodium with etched aluminum finish	Suggest MW100HP12G	206
600-120-ZA	Module 600	Suggest MW100HP12Z	206
600D-120-BA	Module 600	Suggest MW070HP12K	206
600D-120-EA	Module 600 70 Watt High Pressure Sodium with etched aluminum finish	Suggest MW070HP12G	206
600D-120-ZA	Module 600	Suggest MW070HP12Z	206
601-120-BA	Module 600	Suggest MW400MV12K	206
601-120-EA	Module 600 400 Watt MV Vapor with etched aluminum finish	Suggest MW400MV12G	206
601-120-ZA	Module 600	Suggest MW400MV12Z	206
602-120-BA	Module 600	Suggest MW250MV12K	206
602-120-EA	Module 600 250 Watt MV Vapor with etched aluminum finish	Suggest MW250MV12G	206
602-120-ZA	Module 600	Suggest MW250MV12Z	206
603-120-BA	Module 600	Suggest MW175MV12K	206
603-120-EA	Module 600 175 Watt MV Vapor with etched aluminum finish	Suggest MW175MV12G	206
603-120-ZA	Module 600	Suggest MW175MV12Z	206

Old to New Catalog Numbers

Old Catalog Number	Description	New Catalog Number	Page
604-120-BA	Module 600	Suggest MW400MH12K	206
604-120-EA	Module 600 400 Watt Metal Halide with etched aluminum finish	Suggest MW400MH12G	206
604-120-ZA	Module 600	Suggest MW400MH12Z	206
605-120-BA	Module 600	Suggest MW175MH12K	206
605-120-EA	Module 600 175 Watt Metal Halide with etched aluminum finish	Suggest MW175MH12G	206
605-120-ZA	Module 600	Suggest MW175MH12Z	206
606-120-BA	Module 600	Suggest MW400HP12K	206
606-120-EA	Module 600 400 Watt High Pressure Sodium with etched aluminum finish	Suggest MW400HP12G	206
606-120-ZA	Module 600	Suggest MW400HP12Z	206
607-120-BA	Module 600	Suggest MW250MH12K	206
607-120-EA	Module 600 250 Watt Metal Halide with etched aluminum finish	Suggest MW250MH12G	206
607-120-ZA	Module 600	Suggest MW250MH12Z	206
608-100-120-BA	Module 600 150 Watt HPS 100 Volt	N/A	
608-100-120-EA	Module 600 150 Watt HPS 100 Volt	N/A	
608-100-120-ZA	Module 600 150 Watt HPS 100 Volt	N/A	
608-55-120-BA	Module 600	Suggest MW15AHP12K	206
608-55-120-EA	Module 600 150 Watt High Pressure Sodium with etched aluminum finish	Suggest MW15AHP12G	206
608-55-120-ZA	Module 600	Suggest MW15AHP12Z	206
609-120-BA	Module 600	Suggest MW250HP12K	206
609-120-EA	Module 600 250 Watt HPS with etched aluminum finish	Suggest MW250HP12G	206
609-120-ZA	Module 600	Suggest MW250HP12Z	206
Expresslite			
781-FM-120	Expresslite 400 Watt MV Front Mount Peak Lead Ballast	Suggest SNVW400MV12SG	204
781-NB	Expresslite	EXPL400MH	204
782-FM-120	Expresslite 250 Watt MV Front Mount Peak Lead Ballast	Suggest SNVW250MV12SG	204
782-NB	Expresslite	EXPL250MH	204
783-FM-120	Expresslite 175 Watt MV Front Mount Peak Lead Ballast	Suggest SNVW175MV12SG	204
783-NB	Expresslite	EXPL175MH	204
784-FM-120	Expresslite 400 Watt MH Front Mount Peak Lead Ballast	Suggest SNVW400MH12SG	204
784-NB	Expresslite	EXPL400MH	204
785-FM-120	Expresslite 100 Watt MV Front Mount Peak Lead Ballast	Suggest SNVW100MV12SG	204
785-NB	Expresslite 100 Watt MV or 150 Watt HPS for Remote Ballast Slip Fit for 1 1/4 Pipe	Suggest EXPL15AHPN or EXPL100MVN	204
786-NB	Expresslite	EXPL175MH	204
787-FM-120	Expresslite 250 Watt MH Front Mount Peak Lead Ballast	Suggest SNVW250MH12SG	204
787-NB	Expresslite	EXPL250MH	204
788-FM-120	Expresslite 175 Watt MH Front Mount Peak Lead Ballast	Suggest SNVW175MH12SG	204
788-NB	Expresslite	EXPL15AHP	204
Vectorflood			
844-120	Vectorflood 1000 Watt HPS 5 x 5 Nema Beam Spread	Suggest PB2C10HP1255	202
845-120	Vectorflood 1500 Watt MH 5 x 5 Nema Beam Spread	Suggest PB2C15MH1255	202
850-120	Vectorflood 400 Watt HPS 6 x 4 Nema Beam Spread	Suggest PB2400HP1265	202
850-VERT-120	Vectorflood 400 Watt HPS 4 x 6 Nema Beam Spread	N/A	
852-120	Vectorflood 400 Watt HPS 4 x 4 Nema Beam Spread	Suggest PB2400HP1244	202
8A.18-120	Vectorflood 1000 Watt HPS 4 x 4 Nema Beam Spread	N/A	
881-120	Vectorflood 250 Watt HPS 6 x 4 Nema Beam Spread	Suggest PF250HP12KN1G	200
881-VERT-120	Vectorflood 250 Watt HPS 4 x 6 Nema Beam Spread	Suggest PF250HP12KW1G	200
883-120	Previously Vectorflood Luminaire 250 Watt HPS	Suggest PB2400HPB.83	202
883-120	Vectorflood 250 Watt HPS 4 x 4 Nema Beam Spread	N/A	
885-120	Vectorflood 400 Watt MH 6 x 4 Nema Beam Spread	Suggest PF400MH12KN1G	200
885-VERT-120	Vectorflood 400 Watt MH 4 x 6 Nema Beam Spread or 400 Watt MV 5 x 7 Nema Beam Spread	Suggest PF400MH12KW1G	200
887-120	Vectorflood 400 Watt MH 4 x 4 Nema Beam Spread or 400 Watt MV 5 x 5 Nema Beam Spread	N/A	
895-120	Vectorflood 1000 Watt MH 6 x 4 Nema Beam Spread or 1000 Watt MV 7 x 6 Nema Beam Spread	Suggest PB2C10MH1264	202
895-VERT-120	Vectorflood 1000 Watt MH 4 x 6 Nema Beam Spread or 1000 Watt MV 6 x 7 Nema Beam Spread	N/A	
897-120	Vectorflood 1000 Watt MH 4 x 4 Nema Beam Spread or 1000 Watt MV 6 x 6 Nema Beam Spread	Suggest PB2C10MH1244	202
898-120	Vectorflood 1500 Watt MH 3 x 3 Nema Beam Spread	Suggest PBEMC15MHB.83	202
Expresslite			
EXPB15AHP12BAL	Expresslite	Suggest SNVW15AHP12DG	204
EXPB175MH12BAL	Expresslite	Suggest SNVW175MH12DG	204
EXPB250MH12BAL	Expresslite	Suggest SNVW250MH12DG	204
EXPS250HP12GR	Expresslite	Suggest HL2A250HP12G4	190
EXPS400HP12GR	Expresslite	Suggest HL2A400HP12G4	190
EXPS400MH12GR	Expresslite	Suggest HL2A400MH12G4	190
EXPSC10HP12GR	Expresslite 1000 Watt HPS	Suggest HL2A400HP12G4	190
EXPSC10MH12GR	Expresslite 1000 Watt MH	Suggest HL2A400MH12G4	190
Vector			
HL2A250HP12KGR	Vector	HL2A250HP12G1	190
HL2A250HP12YGR	Vector	HL2A250HP12G4	190
HL2A400HP12GR	Vector	HL2A400HP12G1	190
HL2A400HP12KGR	Vector	HL2A400HP12G1	190

Cross Reference Index

Old Catalog Number	Description	New Catalog Number	Page
HL2A400HP12YGR	Vector	HL2A400HP12G4	190
HL2A400MH12KGR	Vector	HL2A400MH12G1	190
HL2A400MH12YGR	Vector	HL2A400MH12G4	190
Predator			
IF1A050HP12NB	Predator	PD050HP12KN3B	200
IF1A050HP12NB	Predator	PD050HP12JN3B	200
IF1A070HP12NB	Predator	PD070HP12KN3B	200
IF1A070HP12NB	Predator	PD070HP12JN3B	200
IF1A100HP12NB	Predator	PD100HP12KN3B	200
IF1A100HP12NB	Predator	PD100HP12JN3B	200
IF1A15AHP12NB	Predator	PD15AHP12JN3B	200
IF1A175MH12NB	Predator	PD175MH12JN3B	200
IF1A175MV12NB	Predator Previously MV	Suggest PD175MH12JN3B	200
IF1B050HP12NB	Predator	PD050HP12KN4B	200
IF1B070HP12NB	Predator	PD070HP12KN4B	200
IF1B100HP12NB	Predator	PD100HP12KN4B	200
IF1B100MV12NB	Predator	PD100MV12KN3B	200
IF1B15AHP12NB	Predator	PD15AHP12KN3B	200
IF1B15AHP12NB	Predator	PD15AHP12KN4B	200
IF1B175MH12NB	Predator	PD175MH12KN3B	200
IF1B175MH12NB	Predator	PD175MH12KN4B	200
IF1B175MV12NB	Predator	PD175MV12KN3B	200
IF1B175MV12NB	Predator Previously MV	Suggest PD175MH12KN4B	200
IF2A250HP12NB	Predator	PF250HP12BN3B	200
IF2A250HP12NB	Predator	PF250HP12JN3B	200
IF2A250MH12NB	Predator	PF250MH12BN3B	200
IF2A250MH12NB	Predator	PF250MH12JN3B	200
IF2A250MV12NB	Predator	PF250MV12BN3B	200
IF2A250MV12NB	Predator	PF250MV12JN3B	200
IF2A400HP12NB	Predator	PF400HP12BN3B	200
IF2A400HP12NB	Predator	PF400HP12JN3B	200
IF2A400MH12NB	Predator	PF400MH12BN3B	200
IF2A400MH12NB	Predator	PF400MH12JN3B	200
IF2A400MV12NB	Predator	PF400MV12BN3B	200
IF2A400MV12NB	Predator	PF400MV12JN3B	200
IF2B250HP12NB	Predator	PF250HP12KN4B	200
IF2B250HP12NB	Predator	PF250HP12KN4B	200
IF2B250MH12NB	Predator	PF250MH12KN4B	200
IF2B250MH12NB	Predator	PF250MH12KN4B	200
IF2B250MV12NB	Predator	PF250MV12KN4B	200
IF2B250MV12NB	Predator	PF250MV12KN4B	200
IF2B400HP12NB	Predator	PF400HP12KN4B	200
IF2B400HP12NB	Predator	PF400HP12KN4B	200
IF2B400MH12NB	Predator	PF400MH12KN4B	200
IF2B400MH12NB	Predator	PF400MH12KN4B	200
IF2B400MV12NB	Predator	PF400MV12KN4B	200
IF2B400MV12NB	Predator	PF400MV12KN4B	200
Module 600			
MDWP070HP12BK	Module 600	Suggest MW070HP12K	206
MDWP070HP12BK	Module 600	Suggest MW070HP12Z	206
MDWP070HP12NA	Module 600 70 Watt High Pressure Sodium with etched aluminum finish	Suggest MW070HP12G	206
MDWP100HP12BK	Module 600	Suggest MW100HP12K	206
MDWP100HP12BK	Module 600	Suggest MW100HP12Z	206
MDWP100HP12NA	Module 600 100 Watt High Pressure Sodium with etched aluminum finish	Suggest MW100HP12G	206
MDWP15AHP12BK	Module 600	Suggest MW15AHP12K	206
MDWP15AHP12BK	Module 600	Suggest MW15AHP12Z	206
MDWP15AHP12NA	Module 600 150 Watt High Pressure Sodium with etched aluminum finish	Suggest MW15AHP12G	206
MDWP15BHP12BK	Module 600 150 Watt HPS 100 Volt Black Finish	N/A	
MDWP15BHP12BK	Module 600 150 Watt HPS 100 Volt Bronze Finish	N/A	
MDWP15BHP12NA	Module 600 150 Watt HPS 100 Volt Etched Aluminum Finish	N/A	
MDWP175MH12BK	Module 600	Suggest MW175MH12K	206
MDWP175MH12BK	Module 600	Suggest MW175MH12Z	206
MDWP175MH12NA	Module 600 175 Watt Metal Halide with etched aluminum finish	Suggest MW175MH12G	206
MDWP175MV12BK	Module 600	Suggest MW175MV12K	206
MDWP175MV12BK	Module 600	Suggest MW175MV12Z	206
MDWP175MV12NA	Module 600 175 Watt MV with etched aluminum finish	Suggest MW175MV12G	206
MDWP250HP12BK	Module 600	Suggest MW250HP12K	206
MDWP250HP12BK	Module 600	Suggest MW250HP12Z	206
MDWP250HP12NA	Module 600 250 Watt HPS with etched aluminum finish	Suggest MW250HP12G	206
MDWP250MH12BK	Module 600	Suggest MW250MH12K	206
MDWP250MH12BK	Module 600	Suggest MW250MH12Z	206
MDWP250MH12NA	Module 600 250 Watt Metal Halide with etched aluminum finish	Suggest MW250MH12G	206
MDWP250MV12BK	Module 600	Suggest MW250MV12K	206
MDWP250MV12BK	Module 600	Suggest MW250MV12Z	206
MDWP250MV12NA	Module 600 250 Watt MV with etched aluminum finish	Suggest MW250MV12G	206
MDWP400HP12BK	Module 600	Suggest MW400HP12K	206

Old to New Catalog Numbers

Old Catalog Number	Description	New Catalog Number	Page
MDWP400HP12BZ	Module 600	Suggest MW400HP12Z	206
MDWP400HP12NA	Module 600 400 Watt High Pressure Sodium with etched aluminum finish	Suggest MW400HP12G	206
MDWP400MH12BK	Module 600	Suggest MW400MH12K	206
MDWP400MH12BZ	Module 600	Suggest MW400MH12Z	206
MDWP400MH12NA	Module 600 400 Watt Metal Halide with etched aluminum finish	Suggest MW400MH12G	206
MDWP400MV12BK	Module 600	Suggest MW400MV12K	206
MDWP400MV12BZ	Module 600	Suggest MW400MV12Z	206
MDWP400MV12NA	Module 600 400 Watt MV with etched aluminum finish	Suggest MW400MV12G	206
Parkpak			
PARK050HP12CEBKA	Parkpak	PK050HP12CKA	208
PARK050HP12CEBKAS	Parkpak	PK050HP12CKA	208
PARK050HP12CEBKS	Parkpak	PK050HP12CKS	208
PARK050HP12CEBKSQ	Parkpak	PK050HP12CKS	208
PARK050HP12FPBKA	Parkpak	PK050HP12FKA	208
PARK050HP12FPBKAS	Parkpak	PK050HP12FKA	208
PARK050HP12FPBKS	Parkpak	PK050HP12FKS	208
PARK050HP12FPBKSQ	Parkpak	PK050HP12FKS	208
PARK050HP12HABKA	Parkpak	PK050HP12HKA	208
PARK050HP12HABKAS	Parkpak	PK050HP12HKA	208
PARK050HP12HABKS	Parkpak	PK050HP12HKS	208
PARK050HP12HABKSQ	Parkpak	PK050HP12HKS	208
PARK050HP12PDBKA	Parkpak	PK050HP12PKA	208
PARK050HP12PDBKAS	Parkpak	PK050HP12PKA	208
PARK050HP12PDBKS	Parkpak	PK050HP12PKS	208
PARK050HP12PDBKSQ	Parkpak	PK050HP12PKS	208
PARK050HP12QIBKA	Parkpak	PK050HP12QKA	208
PARK050HP12QIBKAS	Parkpak	PK050HP12QKA	208
PARK050HP12QIBKS	Parkpak	PK050HP12QKS	208
PARK050HP12QIBKSQ	Parkpak	PK050HP12QKS	208
PARK070HP12CEBKA	Parkpak	PK070HP12CKA	208
PARK070HP12CEBKAS	Parkpak	PK070HP12CKA	208
PARK070HP12CEBKS	Parkpak	PK070HP12CKS	208
PARK070HP12CEBKSQ	Parkpak	PK070HP12CKS	208
PARK070HP12FPBKA	Parkpak	PK070HP12FKA	208
PARK070HP12FPBKAS	Parkpak	PK070HP12FKA	208
PARK070HP12FPBKS	Parkpak	PK070HP12FKS	208
PARK070HP12FPBKSQ	Parkpak	PK070HP12FKS	208
PARK070HP12HABKA	Parkpak	PK070HP12HKA	208
PARK070HP12HABKAS	Parkpak	PK070HP12HKA	208
PARK070HP12HABKS	Parkpak	PK070HP12HKS	208
PARK070HP12HABKSQ	Parkpak	PK070HP12HKS	208
PARK070HP12PDBKA	Parkpak	PK070HP12PKA	208
PARK070HP12PDBKAS	Parkpak	PK070HP12PKA	208
PARK070HP12PDBKS	Parkpak	PK070HP12PKS	208
PARK070HP12PDBKSQ	Parkpak	PK070HP12PKS	208
PARK070HP12QIBKA	Parkpak	PK070HP12QKA	208
PARK070HP12QIBKAS	Parkpak	PK070HP12QKA	208
PARK070HP12QIBKS	Parkpak	PK070HP12QKS	208
PARK070HP12QIBKSQ	Parkpak	PK070HP12QKS	208
PARK100HP12CEBKA	Parkpak	PK100HP12CKA	208
PARK100HP12CEBKAS	Parkpak	PK100HP12CKA	208
PARK100HP12CEBKS	Parkpak	PK100HP12CKS	208
PARK100HP12CEBKSQ	Parkpak	PK100HP12CKS	208
PARK100HP12FPBKA	Parkpak	PK100HP12FKA	208
PARK100HP12FPBKAS	Parkpak	PK100HP12FKA	208
PARK100HP12FPBKS	Parkpak	PK100HP12FKS	208
PARK100HP12FPBKSQ	Parkpak	PK100HP12FKS	208
PARK100HP12HABKA	Parkpak	PK100HP12HKA	208
PARK100HP12HABKAS	Parkpak	PK100HP12HKA	208
PARK100HP12HABKS	Parkpak	PK100HP12HKS	208
PARK100HP12HABKSQ	Parkpak	PK100HP12HKS	208
PARK100HP12PDBKA	Parkpak	PK100HP12PKA	208
PARK100HP12PDBKAS	Parkpak	PK100HP12PKA	208
PARK100HP12PDBKS	Parkpak	PK100HP12PKS	208
PARK100HP12PDBKSQ	Parkpak	PK100HP12PKS	208
PARK100HP12QIBKA	Parkpak	PK100HP12QKA	208
PARK100HP12QIBKAS	Parkpak	PK100HP12QKA	208
PARK100HP12QIBKS	Parkpak	PK100HP12QKS	208
PARK100HP12QIBKSQ	Parkpak	PK100HP12QKS	208
PARK100MV12CEBKA	Parkpak 100 Watt MV	Suggest PK100MH12CKA	208
PARK100MV12CEBKAS	Parkpak 100 Watt MV	Suggest PK100MH12CKA	208
PARK100MV12CEBKS	Parkpak 100 Watt MV	Suggest PK100MH12CKS	208
PARK100MV12CEBKSQ	Parkpak 100 Watt MV	Suggest PK100MH12CKS	208
PARK100MV12FPBKA	Parkpak 100 Watt MV	Suggest PK100MH12FKA	208
PARK100MV12FPBKAS	Parkpak 100 Watt MV	Suggest PK100MH12FKA	208

Cross Reference Index

Old Catalog Number	Description	New Catalog Number	Page
PARK100MV12FPBKS	Parkpak 100 Watt MV	Suggest PK100MH12FKS	208
PARK100MV12FPBKSQ	Parkpak 100 Watt MV	Suggest PK100MH12FKS	208
PARK100MV12HABKA	Parkpak 100 Watt MV	Suggest PK100MH12HKA	208
PARK100MV12HABKAS	Parkpak 100 Watt MV	Suggest PK100MH12HKA	208
PARK100MV12HABKS	Parkpak 100 Watt MV	Suggest PK100MH12HKS	208
PARK100MV12HABKSQ	Parkpak 100 Watt MV	Suggest PK100MH12HKS	208
PARK100MV12PDBKA	Parkpak 100 Watt MV	Suggest PK100MH12PKA	208
PARK100MV12PDBKAS	Parkpak 100 Watt MV	Suggest PK100MH12PKA	208
PARK100MV12PDBKS	Parkpak 100 Watt MV	Suggest PK100MH12PKS	208
PARK100MV12PDBKSQ	Parkpak 100 Watt MV	Suggest PK100MH12PKS	208
PARK100MV12QIBKA	Parkpak 100 Watt MV	Suggest PK100MH12QKA	208
PARK100MV12QIBKAS	Parkpak 100 Watt MV	Suggest PK100MH12QKA	208
PARK100MV12QIBKS	Parkpak 100 Watt MV	Suggest PK100MH12QKS	208
PARK100MV12QIBKSQ	Parkpak 100 Watt MV	Suggest PK100MH12QKS	208
PARK15AHP12CEBKA	Parkpak	PK15AHP12CKA	208
PARK15AHP12CEBKAS	Parkpak	PK15AHP12CKA	208
PARK15AHP12CEBKS	Parkpak	PK15AHP12CKS	208
PARK15AHP12CEBKSQ	Parkpak	PK15AHP12CKS	208
PARK15AHP12FPBKA	Parkpak	PK15AHP12FKA	208
PARK15AHP12FPBKAS	Parkpak	PK15AHP12FKA	208
PARK15AHP12FPBKS	Parkpak	PK15AHP12FKS	208
PARK15AHP12FPBKSQ	Parkpak	PK15AHP12FKS	208
PARK15AHP12HABKA	Parkpak	PK15AHP12HKA	208
PARK15AHP12HABKAS	Parkpak	PK15AHP12HKA	208
PARK15AHP12HABKS	Parkpak	PK15AHP12HKS	208
PARK15AHP12HABKSQ	Parkpak	PK15AHP12HKS	208
PARK15AHP12PDBKA	Parkpak	PK15AHP12PKA	208
PARK15AHP12PDBKAS	Parkpak	PK15AHP12PKA	208
PARK15AHP12PDBKS	Parkpak	PK15AHP12PKS	208
PARK15AHP12PDBKSQ	Parkpak	PK15AHP12PKS	208
PARK15AHP12QIBKA	Parkpak	PK15AHP12QKA	208
PARK15AHP12QIBKAS	Parkpak	PK15AHP12QKA	208
PARK15AHP12QIBKS	Parkpak	PK15AHP12QKS	208
PARK15AHP12QIBKSQ	Parkpak	PK15AHP12QKS	208
PARK15BHP12CEBKA	Parkpak 150 Watt HPS 100 Volt	N/A	
PARK15BHP12CEBKAS	Parkpak 150 Watt HPS 100 Volt	N/A	
PARK15BHP12CEBKS	Parkpak 150 Watt HPS 100 Volt	N/A	
PARK15BHP12CEBKSQ	Parkpak 150 Watt HPS 100 Volt	N/A	
PARK15BHP12FPBKA	Parkpak 150 Watt HPS 100 Volt	N/A	
PARK15BHP12FPBKAS	Parkpak 150 Watt HPS 100 Volt	N/A	
PARK15BHP12FPBKS	Parkpak 150 Watt HPS 100 Volt	N/A	
PARK15BHP12FPBKSQ	Parkpak 150 Watt HPS 100 Volt	N/A	
PARK15BHP12HABKA	Parkpak 150 Watt HPS 100 Volt	N/A	
PARK15BHP12HABKAS	Parkpak 150 Watt HPS 100 Volt	N/A	
PARK15BHP12HABKS	Parkpak 150 Watt HPS 100 Volt	N/A	
PARK15BHP12HABKSQ	Parkpak 150 Watt HPS 100 Volt	N/A	
PARK15BHP12PDBKA	Parkpak 150 Watt HPS 100 Volt	N/A	
PARK15BHP12PDBKAS	Parkpak 150 Watt HPS 100 Volt	N/A	
PARK15BHP12PDBKS	Parkpak 150 Watt HPS 100 Volt	N/A	
PARK15BHP12PDBKSQ	Parkpak 150 Watt HPS 100 Volt	N/A	
PARK15BHP12QIBKA	Parkpak 150 Watt HPS 100 Volt	N/A	
PARK15BHP12QIBKAS	Parkpak 150 Watt HPS 100 Volt	N/A	
PARK15BHP12QIBKS	Parkpak 150 Watt HPS 100 Volt	N/A	
PARK15BHP12QIBKSQ	Parkpak 150 Watt HPS 100 Volt	N/A	
PARK175MH12CEBKA	Parkpak	PK175MH12CKA	208
PARK175MH12CEBKAS	Parkpak	PK175MH12CKA	208
PARK175MH12CEBKS	Parkpak	PK175MH12CKS	208
PARK175MH12CEBKSQ	Parkpak	PK175MH12CKS	208
PARK175MH12FPBKA	Parkpak	PK175MH12FKA	208
PARK175MH12FPBKAS	Parkpak	PK175MH12FKA	208
PARK175MH12FPBKS	Parkpak	PK175MH12FKS	208
PARK175MH12FPBKSQ	Parkpak	PK175MH12FKS	208
PARK175MH12HABKA	Parkpak	PK175MH12HKA	208
PARK175MH12HABKAS	Parkpak	PK175MH12HKA	208
PARK175MH12HABKS	Parkpak	PK175MH12HKS	208
PARK175MH12HABKSQ	Parkpak	PK175MH12HKS	208
PARK175MH12PDBKA	Parkpak	PK175MH12PKA	208
PARK175MH12PDBKAS	Parkpak	PK175MH12PKA	208
PARK175MH12PDBKS	Parkpak	PK175MH12PKS	208
PARK175MH12PDBKSQ	Parkpak	PK175MH12PKS	208
PARK175MH12QIBKA	Parkpak	PK175MH12QKA	208
PARK175MH12QIBKAS	Parkpak	PK175MH12QKA	208
PARK175MH12QIBKS	Parkpak	PK175MH12QKS	208
PARK175MH12QIBKSQ	Parkpak	PK175MH12QKS	208

Old to New Catalog Numbers

Old Catalog Number	Description	New Catalog Number	Page
Prismbeam			
PBEM400HPB.83	Prismbeam Previously 3 x 3 Nema Beam Spread	Suggest PB2400HP1222W	202
PBEM400HP1254	Prismbeam Previously 5 x 4 Nema Beam Spread	Suggest PB2400HP1265W	202
PBEM400HP1264	Prismbeam Previously 6 x 4 Nema Beam Spread	Suggest PB2400HP1264N	202
PBEMC10HP1243	Prismbeam Previously 4 x 3 Nema Beam Spread	Suggest PB2C10HPB.83W	202
PBEMC10HP1244	Prismbeam Previously 4 x 4 Nema Beam Spread	Suggest PB2C10HP1244N	202
PBEMC10HP1255	Prismbeam	Suggest PB2C10HP1255W	202
PBEMC10HP1265	Prismbeam	Suggest PB2C10HP1265W	202
PBEMC10HP1275	Prismbeam	Suggest PB2C10HP1275N	202
PBEMC10MHB.83	Prismbeam	Suggest PB2C10MHB.83W	202
PBEMC10MH1244	Prismbeam Previously 4 x 4 Nema Beam Spread	Suggest PB2C10MH1244N	202
PBEMC10MH1253	Prismbeam Previously 5 x 3 Nema Beam Spread	N/A	
PBEMC10MH1264	Prismbeam Previously 6 x 4 Nema Beam Spread	Suggest PB2C10MH1264N	202
PBEMC15MHB.83	Prismbeam	Suggest PB2C15MHB.83N	202
PBEMC15MH1244	Prismbeam	Suggest PB2C105MH1244W	202
PBEMC15MH1254	Prismbeam	N/A	
PBEMC15MH1255	Prismbeam Previously 5 x 5 Nema Beam Spread	N/A	
PBEMC15MH1275	Prismbeam	N/A	
Smart Clock			
SC1A	Smart Clock	N/A	
SC2A	Smart Clock	N/A	
SC3A	Smart Clock	N/A	
SC4A	Smart Clock	N/A	
Sign-Vue II			
SNVW15AHP12NDG	Sign-Vue II	SNVW15AHP12DG	204
SNVW250MH12NDG	Sign-Vue II	SNVW250MH12DG	204
SNVW175MH12NDG	Sign-Vue II	SNVW175MH12DG	204
Square Pal			
SPAL070HP1262	Square Pal 70 Watt HPS Prism Border Lens	N/A	
SPAL070HP1265	Square Pal 70 Watt HPS Concave Lens	N/A	
SPAL070HP1268	Square Pal 70 Watt HPS Flat Lens	N/A	
SPAL100MV1262	Square Pal 100 Watt MV Prism Border Lens	N/A	
SPAL100MV1265	Square Pal 100 Watt MV Concave Lens	N/A	
SPAL100MV1268	Square Pal 100 Watt MV Flat Lens	N/A	
SPAL15AHP1262	Square Pal 150 Watt 55 Volt HPS Prism Border Lens	N/A	
SPAL15AHP1265	Square Pal 150 Watt 55 Volt HPS Concave Lens	N/A	
SPAL15AHP1268	Square Pal 150 Watt 55 Volt HPS Flat Lens	N/A	
SPAL175MH1262	Square Pal 175 Watt MH Prism Border Lens	N/A	
SPAL175MH1265	Square Pal 175 Watt MH Concave Lens	N/A	
SPAL175MH1268	Square Pal 175 Watt MH Flat Lens	N/A	
SPAL300IN62MF	Square Pal 300 Watt Inc. Prism Border Lens with Mtg. Frame/Outlet Box for Grid Ceilings	N/A	
SPAL300IN62PF	Square Pal 300 Watt Inc. Prism Border Lens with Plaster Frame	N/A	
SPAL300IN65MF	Square Pal 300 Watt Inc. Concave Lens with Mtg. Frame/Outlet Box for Grid Ceilings	N/A	
SPAL300IN65PF	Square Pal 300 Watt Inc. Concave Lens with Plaster Frame	N/A	
SPAL300IN68MF	Square Pal 300 Watt Inc. Flat Lens with Mounting Frame/Outlet Box for Grid Ceilings	N/A	
SPAL300IN68PF	Square Pal 300 Watt Inc. Flat Lens with Plaster Frame	N/A	
Square Postop			
SQPA070HP12GRCA	Square Postop	Suggest CW2A070HP12GRCA	174
SQPA100HP12GRCA	Square Postop	Suggest CW2A100HP12GRCA	174
SQPA15AHP12GRCA	Square Postop	Suggest CW2A15AHP12GRCA	174
SQPA15BHP12GRCA	Square Postop	Suggest CW2A15BHP12GRCA	174
SQPA250MH12GRCA	Square Postop	Suggest CW2A250MH12GRCA	174
SQPB250HP12GRCA	Square Postop	Suggest CW3A250HP12GRCA	174
SQPB400HP12GRCA	Square Postop	Suggest CW3A400HP12GRCA	174
SQPB400MH12GRCA	Square Postop	Suggest CW3A400MH12GRCA	174
SQPCC10HP12GRCA	Square Postop	Suggest CW3AC10HP12GRCA	174
SQPCC10MH12GRCA	Square Postop	Suggest CW3AC10MH12GRCA	174
Vectorflood			
VFLD250HPB.83Z	Vectorflood 3 x 3 Nema Beam Spread	Suggest PB2400HPB.83N	202
VFLD250HP1253Z	Vectorflood	Suggest PB2400HP1253W	202
VFLD400HP1244Z	Vectorflood	Suggest PB2400HP1244N	202
VFLD400HP1254Z	Vectorflood 5 x 4 Nema Beam Spread	Suggest PB2400HP1264N	202
VFLD400MH1244Z	Vectorflood 400 Watt MH 4 x 4 Nema Beam Spread	N/A	
VFLD400MH1264Z	Vectorflood 400 Watt MH 6 x 4 Nema Beam Spread	N/A	
VFLDC10HPB.83Z	Vectorflood	Suggest PB2C10HPB.83W	202
VFLDC10HP1255Z	Vectorflood	Suggest PB2C10HP1255W	202
VFLDC10MHB.83Z	Vectorflood	Suggest PB2C10MHB.83N	202
VFLDC10MH1253Z	Vectorflood 5 x 3 Nema Beam Spread	N/A	
VFLDC15MHB.83Z	Vectorflood	Suggest PB2C15MHB.83N	202
VFLDC15MH1255Z	Vectorflood 5 x 5 Nema Beam Spread	N/A	

Cross Reference Index

Old Catalog Number	Description	New Catalog Number	Page
Wall Luminaire			
WALA150INGR	Wall Luminaire 150 Watt Inc.	N/A	
WALB035HP12BZ	Wall Luminaire 35 Watt HPS	N/A	
WALB050HP12BZ	Wall Luminaire 50 Watt HPS	N/A	
WALB200INBZ	Wall Luminaire 200 Watt INC	N/A	
WALB200INBZ	Wall Luminaire 200 Watt Inc.	N/A	
Wallpack			
WL1K070HP12GR	Wallpack I	N/A	
WL1K070HP12GRP	Wallpack I	N/A	
WL1K100HP12GRP	Wallpack I	N/A	
WL1K15AHP12GR	Wallpack I	N/A	
WL1K15AHP12GRP	Wallpack I	N/A	
WL1K15BHP12GR	Wallpack I	N/A	
WL1K15BHP12GRP	Wallpack I	N/A	
WL1K175MV12GRP	Wallpack I	N/A	
WL1K250HP	Wallpack 250 Watt HPS For Remote Ballast	N/A	
WL1K250MH	Wallpack 250 Watt MH For Remote Ballast	N/A	
WL1K250MH12GRP	Wallpack I	N/A	
WL1K250MV12GRP	Wallpack I	N/A	

Prefix Index

Prefix	Description	Page
2STS	Twin Single Street Sign	92
A	Annapolis Crossarms and Brackets	88
AE	Enhanced Acrylic Washington PostLite	26
AG	Acrylic Washington PostLite GV	24
ALU	Atlanta	36
ALP	Atlanta Pedestrian	38
AR	Arlington	30
ARU	Utility Arlington	52
AS	Acrylic Washington PostLite SS	26
AS	Albany Crossarms and Brackets	88
ATC	ATC Series Roadway Arms	102
AX	Avondale Crossarms and Brackets	88
AW	Acrylic Washington PostLite	26
AWU	Acrylic Washington Utility PostLite	50
B	Barrington Pole (Cast Aluminum)	72
B	Barrington Pole (Cast Iron)	84
BAXX	Banner Arm	96
BBAXX	Break-Away Banner Arm	96
BF	Bradford Pole (Cast Aluminum)	72
BH	Boston Harbour Roadway Arms	102
BHLF	Boston Harbour Leveling Fitter	35, 37, 39
BKT	Brackets	194-198
BL	Burlington Pole (Cast Aluminum)	72
BOL/BL	Burlington Bollard	56
BOL/C	Columbia Bollard	56, 58, 60, 62
BOL/CH	Charleston Bollard	56, 58
BOL/CP	Chesapeake Bollard	56, 58, 60, 62
BOL/FP	Freeport Bollard	62
BOL/H	Hamilton Bollard	56, 58
BOL/M	Mount Vernon Bollard	56
BOL/NA	Nautical Bollard	60, 62
BOL/NY	North Yorkshire Bollard	56, 58, 60, 62
BOL/P	Plymouth Bollard	56, 58
BOL/PC	Potomac Bollard	60
BOL/PT	Princeton Bollard	56, 58
BOL/S	Salem Bollard	56
BOL/SG	South Gate Bollard	60
BOL/W	Wadsworth Bollard	56, 58
BWU	Boardwalk	34
C	Columbia Pole (Cast Iron)	84
C	Columbia Pole (Cast Iron and Steel)	86
C	Columbiana Pole (Cast Aluminum)	72
C	Cleveland Crossarms and Brackets	88
CAM	Camden Roadway Arms	102

Prefix Index

Prefix	Description	Page
CES	Columbia Pole with Arms for Pendant (Cast Iron and Steel)	90
CH	Charleston Pole (Cast Aluminum)	72
CH	Charleston Pole (GlasWerks Cast Aluminum)	158
CO	Colorado Pole (Cast Aluminum)	72
CO	Colorado Pole (GlasWerks Cast Aluminum)	158
CP	Chesapeake Pole (Cast Aluminum)	72
CP	Chesapeake Pole (Cast Iron)	84
CP	Castle Park Crossarms and Brackets	88
CRU	Crystalite	36
CRP	Crystalite Pedestrian	38
CS	Cincinnati Crossarms and Brackets	88
CVC	CVC Series Roadway Arms	102
CW2A	Small Crestwood	174
CW3A	Large Crestwood	174
D	Delaware Pole (Cast Iron)	84
D	Delaware Pole (Cast Iron and Steel)	86
DCU	Utility Dorchester	52
DH	Dorchester	32
DIS	Diamond Traffic Sign	94
DW	Dunwoody Pole (Cast Aluminum)	72
DW	Dunwoody Pole (GlasWerks Cast Aluminum)	158
EA	MetroVue Urban Arch	162
ELC	ELC Series Roadway Arms	102
ESU	Esplanade	34
ESP	Esplanade Pedestrian	38
EVC	EVC Series Roadway Arms	102
EY	MetroVue Urban Yoke	162
EYP	MetroVue Pedestrian Yoke	164
FM	Fremont Pole (Cast Aluminum)	72
FM	Fremont Pole (GlasWerks Cast Aluminum)	158
FPH	Flagpole Holder	98
FW	Fort Washington Pole (Cast Iron)	84
FW	Fort Washington Pole (Cast Iron and Steel)	86
G	Mongoose	192
GAC	GAC Series Roadway Arms	102
GB	Bern	156
GC	Grove City Pole (Ohio Series Cast Aluminum)	82
GE	Hallbrook Extended	156
GLU	Grand Ledge	36
GM	Milan	156
GMB	Standard Mailbox	100
GN	Vienna	156
GP	Prague	156
GR	Radial Wave	156

Prefix	Description	Page
GS	Hallbrook Standard	156
GV	GranVille Classic	12
GVP	GranVille Premier	10
GVU	Utility GranVille	48
GWLF	GlasWerks Leveling Fitter	35, 37, 39
GY	Lyon	156
H	Hamilton Pole (Cast Aluminum)	72
H	Hamilton Pole (Cast Iron)	64
H	Hamilton Pole (GlasWerks Cast Aluminum)	158
H101	Dome Top, Round Louver Bollard	116
H102	Flat Top, Round Louver Bollard	116
H103	Peak Top, Square Louver Bollard	116
H104	Flat Top, Square Louver Bollard	116
H310	Well Light	118
H330	Well Light	118
H335	Well Light	118
H350	Well Light	118
H418	Water and Fountain Base and Yoke Mount	120
H418	Water and Fountain Niche Mount	124
H421	Water and Fountain Niche Mount	124, 128
H421	Water and Fountain Base and Yoke Mount	120
H424	Water and Fountain Base and Yoke Mount	122
H424	Water and Fountain Niche Mount	126
H425	Water and Fountain Niche Mount for Swimming Pools	128
H427	Water and Fountain Base and Yoke Mount	122
H427	Water and Fountain Niche Mount	126, 128
H428	Water and Fountain Base Mount	122
H428	Water and Fountain Niche Mount	128
H670	In-Grade Sealed Uplight	144
H700	Compact Flood	130
H710	Compact Flood	132
H720	Compact Flood	134
H810	High Performance Flood Series	136-141
H820	High Performance Flood Series	136-141
H900	In-Grade Sealed Uplight	146
H910	In-Grade Sealed Uplight	146
HL2A	Vector	190
HLBK	Hallbrook GlasWerks Poles	160
HMAO	HMAO S Optix High Mast	180
HMB	H Series Mailbox with House Number Sign	100
HMSC	High Mast Enclosed	180
HRS	Horizontal Rectangular Traffic Sign	94
IMB	Industry Standard Mailbox	100
JF	Jefferson	30

Prefix Index

Prefix	Description	Page
JFU	Utility Jefferson	52
KW	Kentwood Pole (Cast Aluminum)	72
LB	Liberty Crossarms and Brackets	88
LD	Lowering Devices	182
LH	Liberty Harp	44
LMS	Lowering Devices	184
LR	Loredo Crossarms and Brackets	88
LT	LED Trailblazer	148
LTD	LED Trailblazer Dome Top	150
LU	Utility Minuteman Lantern	54
LV	Loveland Crossarms and Brackets	88
M	Mount Vernon Pole (Cast Aluminum)	72
M	Mount Vernon Post (GranVille Mini)	18
MD	Madeira	28
MGC	MGC Series Roadway Arms	102
MGM	GranVille Micro	16
MGV	GranVille Mini	14
MH	Milwaukee Harp	44
ML	Milwaukee Lantern	46
MPU	Memphis	34
MR	Manchester Pole (Cast Aluminum)	72
MS	MirroStar	170
MS	Mount Sterling Pole (Cast Aluminum)	72
MSP	Memphis Pedestrian	38
MW	Module 600	206
NB	New Brighton Pole (Cast Aluminum)	72
NL	New Lexington Pole (Ohio Series Cast Aluminum)	82
NO	Norwich Pole (Cast Aluminum)	72
NP	Nicoma Park Pole (Cast Iron)	84
NP	Northbrook Crossarms and Brackets	88
NY	North Yorkshire Pole (Cast Aluminum)	72
NY	North Yorkshire Pole (Cast Iron)	84
NY	North Yorkshire Pole (Cast Iron and Steel)	86
NYES	North Yorkshire Pole with Arms for Pendant (Cast Iron and Steel)	90
OCS	Octagonal Traffic Sign	94
OM	Ohio Crossarms and Brackets	88
OS	Oslo Pole (Cast Aluminum)	72
OUC	OUC Series Roadway Arms	102
P	Pechina	166
P	Plymouth Pole (Cast Aluminum)	72
P	Princeton GlasWerks Pole (Cast Aluminum)	158
P	Plymouth (GranVille Mini Post)	18
PANL	Panel-Vue	204
PB2	Prismbeam II	202

Prefix	Description	Page
PCP	Philadelphia Crossarms and Brackets	88
PD	Port Dickenson Pole (Cast Aluminum)	72
PD	Small Predator	200
PF	Medium Predator	200
PHU	Port Huron	34
PK	Parkpak	208
PR	Prismasphere	40
PR	Residential Post and Bracket	20
PSC	PSC Series Roadway Arms	102
PSU	Utility Prismasphere	50
PT	Princeton Pole (Cast Aluminum)	72
PT	PoleStar II	168
PTU	Utility Postop	52
PUR	Urban Steel Pole	240
RA	Revitalization Series Pole (Cast Aluminum)	242
RS	Revitalization Series Pole (Steel)	244
RF	Ridgefield Pole (Cast Iron)	84
RF	Ridgefield Pole (Cast Iron and Steel)	86
RH	Rockford Harbor Pole (Cast Aluminum)	72
RH	Rockford Harbor Pole (GlasWerks Cast Aluminum)	158
RI	Rhode Island Crossarms and Brackets	88
RP	Residential Postop RSL-350	42
RSL2	Residential Postop RSL-200	188
RTA	Round Tapered Aluminum Pole	106, 216
RTS	Round Tapered Steel Pole	220
S	Round Tapered Steel Pole	108
S	Salem Pole (Cast Aluminum)	72
S	Salem (GranVille Mini Post)	18
SA	San Antonio Pole (Cast Iron)	84
SBS	SBS Series Roadway Arms	102
SL	SiteLink Bases for TracPoles	66
SL	SiteLink Fluted Series (Cast Aluminum Posts)	68
SLB	SiteLink TracBollard (Cast Aluminum)	68
SLT1	SiteLink TracPole	64
SLT2	SiteLink TracPole	64
SLT3	SiteLink TracPole	64
SMB	S Series Mailbox	100
SMST	Somerset	172
SNVW	Sign-View II	204
SP	Southport GlasWerks Pole (Cast Aluminum)	158
SP	Southport Pole (Cast Aluminum)	72
SQS	Square Traffic Sign	94
SSA	Square Straight Aluminum Pole	218
SSS	Square Straight Steel Pole	222

Prefix Index

Prefix	Description	Page
SSU	Starshell	36
ST	State Street	22
STS	Single Street Sign	92
SU1A	Substation	212
SY	Syracuse GranVille	12
TLP	TLP Series Roadway Arms	102
TPF	Tunnel Predator	186
TRS	Triangular Traffic Sign	94
VGC	VGC Series Roadway Arms	102
VRS	Vertical Rectangular Traffic Sign	94
W	Wadsworth Pole (Cast Aluminum)	72
W	Washington Crossarms and Brackets	88
W4	Wallpack IV	210
WA	Washington PostLite	22
WAU	Utility Washington PostLite	48
WE	Enhanced Washington PostLite	22
WLC	West Liberty Roadway Arms	102
WLLF	West Liberty Leveling Fitter	35, 37, 39
WO	Worthington Pole (Ohio Series Cast Aluminum)	82
WP	Winter Park Pole (Cast Iron)	84

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 there from 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.



DECORATIVE



SPECIALTY
LANDSCAPE



DESIGNER



INFRASTRUCTURE



An **Acuity** Brands Company

Acuity Brands Lighting, Inc.

Holophane Headquarters, 3825 Columbus Road,
S.W., Granville, OH 43023

Holophane Canada, Inc. 9040 Leslie Street,
Suite 208, Richmond Hill, ON L4B 3M4

Holophane Europe Limited, Bond Ave., Milton
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

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.

