Decorative

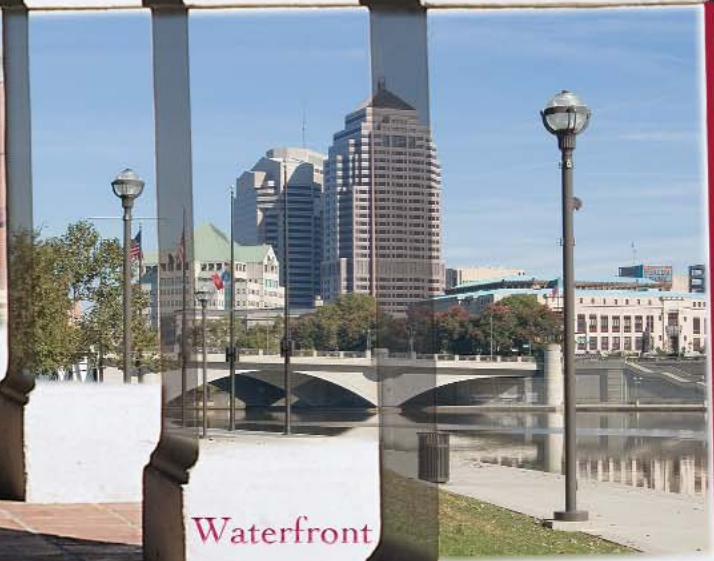
Style that fits your site architecture

HScapes™

HOLOPHANE OUTDOOR LIGHTING

DECORATIVE

Product Catalog



Yes year

Waterfront

Urban

HOLOPHANE®

HEADS IN LIGHTING SOLUTIONS

experience lighting's best.

HL- 2205 5/06

Decorative...

Style that fits your site architecture

Residential

Utility

Colonial

The HScapes decorative product line by Holophane offers a wide variety of top performing products that will complement and enhance any style of site architecture.

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.

Yesteryear


Waterfront


Urban

Although historically – styled lighting systems replicate early era luminaires in appearance, they have evolved with state–of–the–art technology. Modern optical devices place the light where it is needed to promote uniformity and visual comfort while minimizing light trespass. In addition, modern mechanical features are incorporated into the luminaires to allow for ease of installation and maintenance.

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

Decorative

Adorning.

Beautifying.

Ornamental.

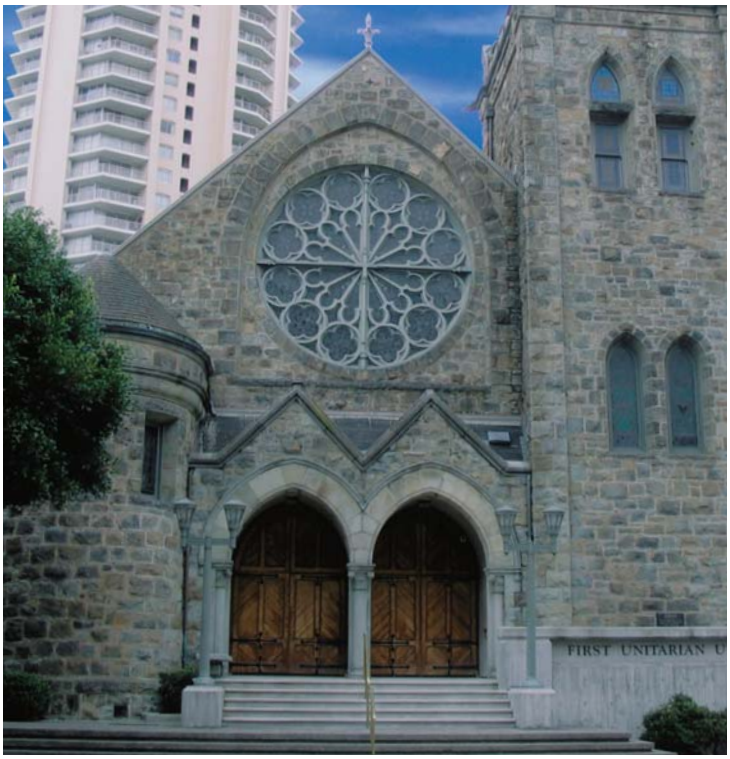
All words that describe our Decorative Product Line.

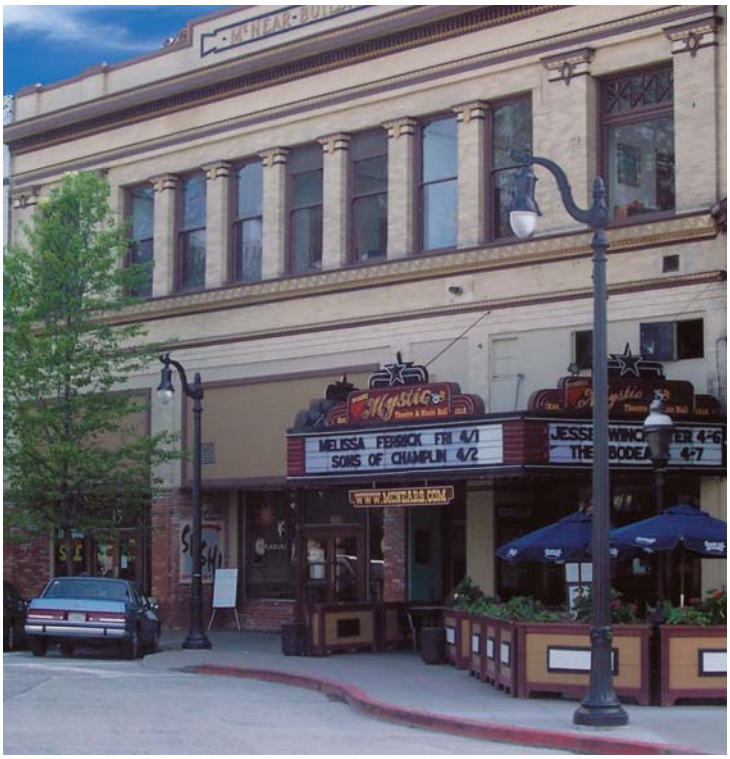
Historical

The Historical offering is a vast selection of products providing lighting solutions for any project that calls for the theme of yesteryear. Incorporating historically styled luminaires into a streetscape design can help create a certain ambiance 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.

The diversity of luminaire availability gives customers the option to replicate almost any period of time and complement any site architecture. Although acorn –shaped luminaires have proven popular because of their classic styling, designers are discovering the octagonal shapes of the 1920's, 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 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.





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Holophane: A Century of Lighting Solutions

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 it's 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 continue 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.

HOLOPHANE
Today & Tomorrow

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

1) Photometric performance
2) Energy efficiency
3) Long life
4) Ease of maintenance
5) Lifetime 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) Mold 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.

21st Century Technology

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 heat laboratory to insure 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 materials. Specifically:

- **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 space age 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.

1 Residential Street Lighting

Many residential communities are woefully under lit. This problem is frequently compounded by extended pole spacings or poorly performing luminaires, resulting in inadequate intensity and non-uniformity of illumination.

The addition of quality lighting can significantly enhance the ambiance, comfort, and safety of a community. However, a delicate balance between certain factors must be achieved in order to provide an optimum lighting solution. For over a century, Holophane has developed state-of-the-art, high-performance street lighting systems designed to provide quality lighting, while at the same time complement site architecture.

What is required for quality residential street lighting?

Safety and Security: A residential lighting system must perform several essential tasks. It must provide adequate visibility for vehicular traffic, by providing a sufficient amount of illumination on the roadway, avoiding disabling glare, identifying distinguishing landmarks, and allowing for uniform distribution.

In addition, the system must illuminate the sidewalk for pedestrian use, provide soft illumination on lawns and shrubbery, and provide vertical illumination to penetrate potential hiding places.

Lastly, a lighting system must prevent unwanted light trespass occurring into windows and other structures.

Appearance: The choice of a street lighting assembly requires the consideration of an appropriate style which will complement the site architecture. The appropriate mounting height must be considered to match building scale and to avoid shadows created by trees and other foliage ***(see Figure 1)***.

Fig. 1 Avoiding shadows while maximizing space

Typical cobrahead luminaires concentrate light directly below the assembly providing limited vertical illumination. Furthermore, shadowing may be created by undergrowth of trees and shrubbery. A more appropriate alternative is to use high performance post top, luminaires mounted between 10'-18', which can provide greater visibility and security.

Furthermore, the luminaire must maintain a suitable day and nighttime appearance by maintaining recognizable design features while in operation.

Performance: The ideal luminaire for residential lighting will optimize efficiency by controlling the distribution of light to maximize spacings and limit disabling glare. In addition, the luminaire should minimize upward wasted light by redirecting light into the optimum pattern.

Durability: Quality street lighting equipment must be constructed of optical materials which will stand up over time, corrosion resistant metal castings for superior durability, and durable paint to limit maintenance.

2 Commercial Street Lighting

What is required for quality commercial street lighting?

Safety and Security

Vehicular Traffic: Darkness increases the chance of vehicular accidents by reducing the ability for motorists to see. It also hides landmarks and environmental cues which help drivers recognize their surroundings. The sharp contrast between objects in the roadway and the roadway surface will provide sufficient visibility for high speed, limited access roadways. However, a system which illuminates commercial roadways must perform additional tasks. A motorist must be able to see pedestrians, identify his or her automobiles, read signage, and accurately identify his or her surroundings. The key lighting element which allows motorists to perform these tasks is positive illumination on vertical surfaces.

The silhouette effect created by the lighting system on the left does not provide adequate levels of vertical illumination. Consequently, a pedestrian can not identify a passer-by.

The positive vertical illumination provided in the example on the right allows easy identification of approaching pedestrians and greatly increases security.

Pedestrian Security: Sufficient vertical illumination is the key component in providing pedestrian security. In order to instill a feeling of comfort and safety, a lighting system must provide portal to portal illumination. This will ensure there are no hidden areas where an unidentified assailant can wait for an unsuspecting passerby. A subtle uplight component will create an open visual environment similar to daylight conditions and avoid the cavern effect created by common cutoff luminaires. An enhanced visual field in the area created by vertical illumination and a small percentage of uplight will promote nighttime activity in the community.

Appearance: The appearance of a lighting system can drastically alter the ambiance of a commercial area. Utilitarian cobrahead units provide lighting but do little to enhance the decorative appearance of the space. Decorative human-scale lighting assemblies can create an inviting environment but often do not provide quality illumination, and in the case of non-optical globes, actually decrease visibility by introducing disabling high angle glare ***(see Figure 1)***.

An appropriate solution is to utilize human-scale decorative lighting systems which incorporate prismatic technology to control light distribution ***(see Figure 2)***. These units allow for maximum spacings and avoid disabling glare, while, redirecting the majority of uplight back into the optical refractor increasing the luminaire efficiency. At the same time a small amount of uplight is allowed to illuminate building facades and foliage to create an open visual environment.

A quality lighting system will provide adequate illumination for increased safety and security. In addition, it will inspire community spirit and growth.

Figure 1
The non-optical globe produces maximum light output at 90° thus creating disabling glare and wasting the majority of available light.

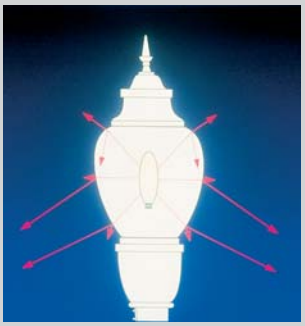
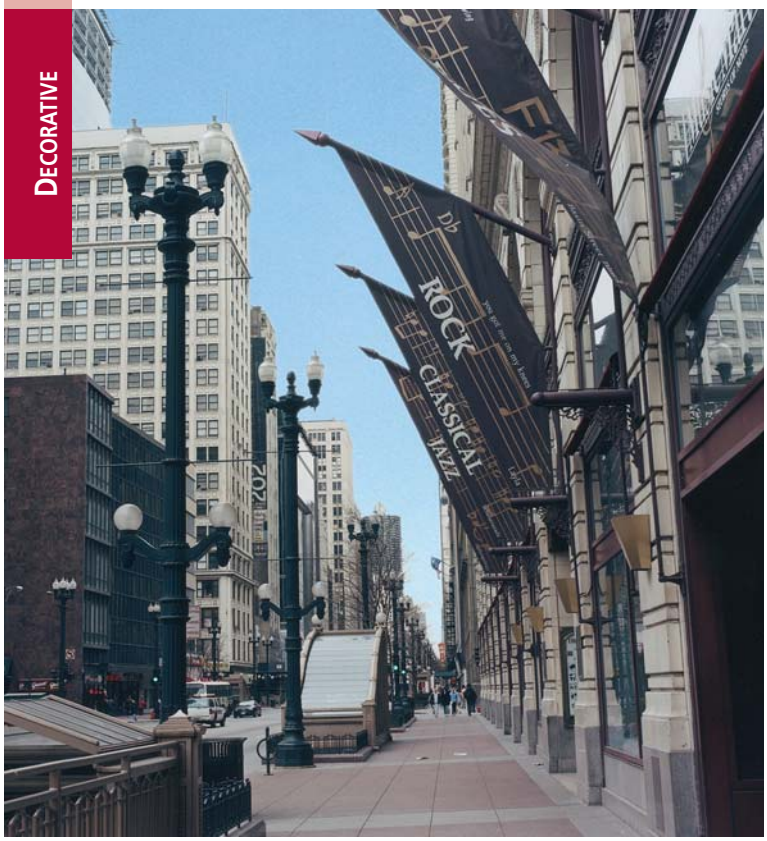


Figure 2
The prismatic acorn redirects light to maximize efficiency and limit glare.

3 Municipal Lighting



The Importance of scale!

The scale of downtown urban environments requires lighting systems which are appropriate for the local architecture. It is also important that the lighting assembly is styled to complement the time period and appearance of the environment. For example, it would not be appropriate to light a major metropolitan area with human scale equipment which could be dwarfed by the large buildings. Nor would it be appropriate to provide a contemporary styled lighting system within a historic downtown environment.

As with all potential applications, it is very important to select materials which are permanent and will not rapidly degrade. Low grade plastic material will quickly begin to deteriorate once exposed to the ultraviolet radiation from the sun and modern HID lamp sources. Once degradation begins, the plastic material becomes increasingly brittle and can be cracked by as little as a sudden gust of wind.

Holophane's permanent borosilicate glass will withstand the test of time and not turn yellow, brown, or cloudy during it's life.

The borosilicate glass used in Holophane luminaires is permanent and will not degrade over time.

Many plastic globes rapidly degrade and become brittle making them unsightly and highly susceptible to breakage.

4 Walking and Bike Path Lighting

Pedestrian safety and security are of particular concern on walkways and bike paths that do not adjoin a roadway. To provide quality lighting in these settings, a lighting designer must consider the pathway as an integral part of the surrounding landscape.

Essential visual identification of other pedestrians and bicyclists is highly dependent on vertical illumination. The lighting system must not only light the path itself, but provide adequate illumination for a reasonable distance beyond the edge of the path. In addition, lighting uniformity is critical to limiting excessively dark areas that can cause security problems. Light must penetrate into bushes, trees, and other objects to reduce hiding places for potential assailants. This is best achieved by utilizing lighting equipment which is capable of supplying high levels of vertical illumination while simultaneously avoiding disabling glare.

Mounting height becomes a major concern when considering overgrowth of trees and other plants. Light from luminaires on taller poles will potentially be trapped by foliage and never reach the intended area.

Holophane's Decorative Outdoor product line offers a wide range of both human scale and taller, urban scale street lighting assemblies with high performance lighting solutions.

Decorative Product Selection Matrix

Prismatic Acorns

Glass


GranVille®


Syracuse


Mini GranVille®


Washington PostLite®


State Street


Enhanced Washington

Victorian Gas Light


Dorchester®

Tear Drops

Tear Drop Series


Esplanade®


Boardwalk®


Crystalite

Spheres


Prismasphere®

Residential


RSL-350

Utility Series


GranVille


Washington PostLite

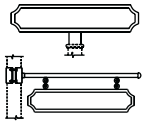

Acrylic Washington PostLite

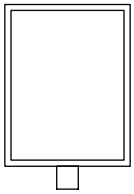

Octagonal

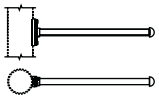

Prismasphere

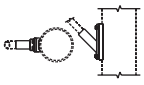

Dorchester

Decorative Post Accessories

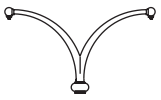

Street Signs


Traffic Signs


Banner Arms


Flagpole Holders


Mailboxes


Roadway Arms

Acrylic


Washington PostLite® GV


State Street


Enhanced Washington PostLite®

Ornamental


Madeira®

Octagonal Lanterns


Arlington®


Jefferson


Starshell®


Memphis


Port Huron®


Atlanta


Grand Ledge®

Pedestrian


Esplanade


Crystalite


Memphis


Atlanta

Harp Series


Milwaukee


Liberty

Milwaukee Lantern


Milwaukee

Bollards


Lighted


Non-Lighted


Colonial


Postop

Decorative Posts

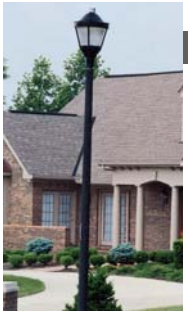

Cast Aluminum


Cast Iron


Cast Iron and Steel

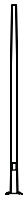

Concrete


Composite

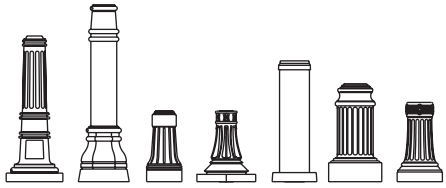


Aluminum and Steel Poles


Round tapered aluminum


Round tapered steel

Clamshell Bases



GranVille® Series

The classic elegance of acorn street lamps adorned metropolitan avenues and plazas during the early 20th Century. The GranVille Series captures the essence of this bygone era while incorporating the most advanced technology available today.

The cornerstone of the GranVille luminaire's superior performance is an advanced borosilicate glass optical refractor, which provides precise light control through finely molded prisms. The prismatic refractor helps direct the light beam to the desired pattern, allows for maximum spacings with excellent uniformity, minimizes wasted light, and creates an appealing sparkle that distinguishes the GranVille luminaire from conventional plastic acorn globes.

GranVille
(Fluted housing, standard finial)

GranVille
(Ribs, bands and medallions, with leaf housing, and standard finial)

GranVille
(Decorative cover with leaf housing, and standard finial)

Syracuse
(Spun cover, ribs, bands and medallions, with leaf housing, and standard finial)

Applications

Typical Applications

- City Streets
- Parks
- Residential Areas
- Campuses
- Walkways
- Parking Lots

Features

- Distinctive styling
- Pedestrian – scale
- Prismatic glass optics
- Four lighting distributions
- Lunar Optics™ option (IESNA Cutoff)
- Five decorative housing choices
- Decorative trim variety

Lamp Types

- 70 - 175 watt metal halide
- 35 - 150 watt high pressure sodium
- 100 - 250 watt mercury vapor
- 200 watt incandescent

Approvals

- UL/CUL

The GranVille luminaire has appeal for many types of applications. Although efficient light control is the cornerstone of the GranVille's prismatic glass refractor, the prismatic glass optical assembly creates a sparkle that provides visual appeal in any daytime setting.

The GranVille luminaire is widely used for municipal streets, residential streets, college campuses, and commercial area applications. The luminaire will scale with a range of decorative post styles ranging from eight to fourteen feet in height. In addition, the luminaire can be mated with a variety of decorative wall brackets to complement the post top assemblies further enhancing the site architecture.

Product Features

GranVille/Syracuse

The heat resistant borosilicate glass refractors available are designed to provide IESNA Type II, III, IV, and V lighting distributions. In addition, Lunar Optics™ is available as a standard optical option in applications where IESNA cutoff is desired. This allows for a choice of distribution which will most effectively illuminate a particular area. Low wattage HPS, metal halide, and induction lamps are available.

The GranVille luminaires are available with a tool-less entry hinged top for easy lamp replacement. Also, a variety of decorative trim options such as covers, finials, ribs, and bands allow the GranVille luminaire to blend with any streetscape or site architecture.

The luminaires are available with five distinct housings ensuring the appropriate transition between pole and luminaire in any installation. In retrofit applications, a variety of traditional castings allow GranVille luminaires to adapt to virtually any existing pole.

1 Finial: Is designed to define luminaire shape

2 Decorative trim: An optional design element

3 Anodized hydro-formed reflector: Restricts the intensity at the critical vertical angles

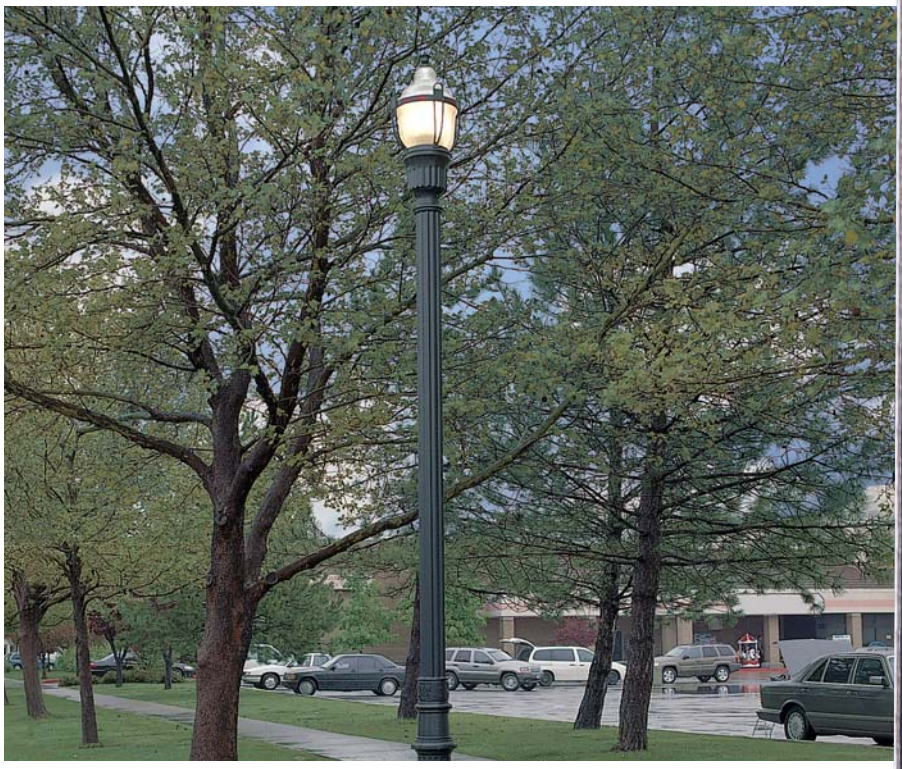
4 Ballast housing: Holds and protects electrical components and defines luminaire shape and size

5 Pole options: A variety of pole materials and styles are available to complement luminaire and site architecture

GranVille

GranVille

Syracuse



Decorative Trim and Medallions

The GranVille® Series, featuring decorative ribs and banding with a custom rose medallion.

Lunar Optics

Lunar Optics has been designed to address environmental lighting issues such as urban sky glow (light pollution), light trespass, and glare, in addition to maintaining classic style and appearance.

The GranVille Series with Lunar Optics boasts an exquisite daytime appearance, yet has been engineered with purposeful optical performance. Specifically, the luminaire restricts the intensity (candela) at the critical vertical angles to achieve an IESNA cutoff classification.

Furthermore, a small amount of light illuminates the top acorn refractor to allow for a fully luminous nighttime appearance. As an overall result, the percentage of upward light is significantly reduced, yet the traditional lighted appearance is retained. The Lunar Optics version is ideal for applications where communities want to celebrate tradition, however are sensitive to light pollution and trespass.

1 Finial: Is designed to define luminaire shape

2 Decorative top cover: (optional) Designed to define luminaire shape and control uplight

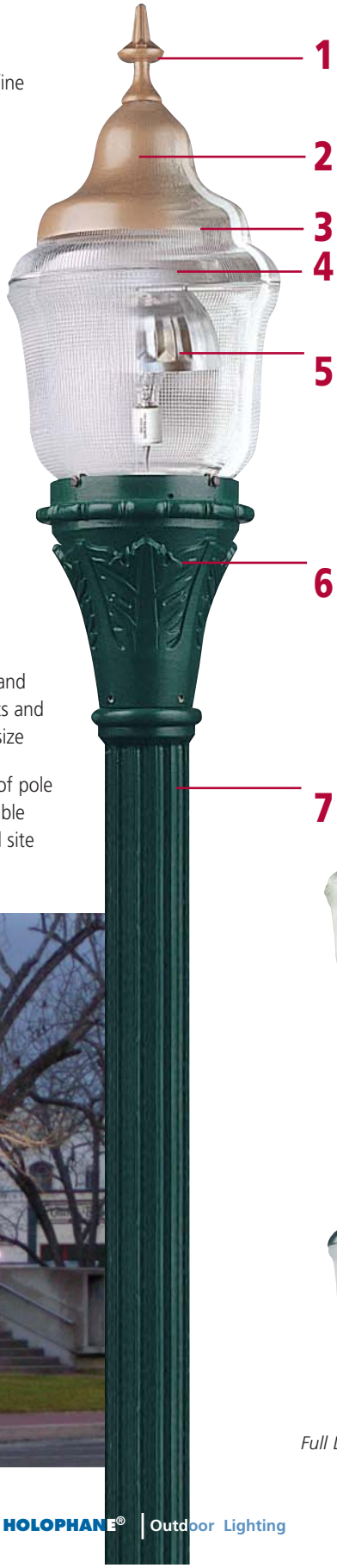
3 Prismatic top reflector: Defines shape and efficiently controls light

4 Reflector mounting plate: Is designed to support Lunar Optics reflector and reduce uplight

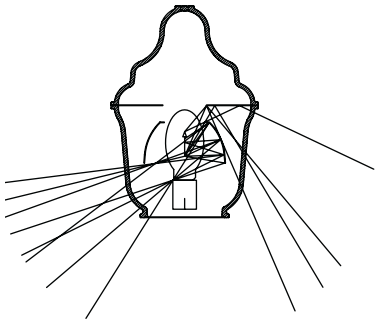
5 Anodized hydro-formed reflector: Restricts the intensity at the critical vertical angles

6 Ballast housing: Holds and protects electrical components and defines luminaire shape and size

7 Pole options: A variety of pole materials and styles are available to complement luminaire and site architecture



Lunar Optics™



Lunar Optics has been designed to reduce the lighting intensity at the critical vertical angles to achieve IESNA Cutoff.

GranVille

Syracuse

Full Decorative Cover

Mayfield Decorative Cover

Pole Samples

Historically Styled Decorative Posts

Cast aluminum | *Cast iron* | *Cast iron and steel* | *Composite* | *Concrete*

Tapered and Straight Poles

Specifications

Genial Description
The luminaire consists of three main components, a ballast housing, a reflector with socket, and a prismatic glass optical assembly.

Optical Assembly
The optical assembly is a precisely molded thermal resistant borosilicate glass reflector and refractor with or without a decorative finial. The upper portion of this system incorporates a series of reflecting prisms that redirect over 50% of the upward light in to the controlling refractor while allowing a soft uplight component to define the traditional acorn shape of the luminaire. Two decorative aluminum covers are available. The lower portion uses precisely molded refracting prisms to control the distribution of light to maximize utilization, uniformity, and luminaire spacing. Three unique optical assemblies are available, designed for IES type III, IV, and V lighting distributions.

Ballast Assembly
The ballast housing contains the ballast and other electrical components. The housing is cast of aluminum alloy. The slipfitter will accept a 3" high, 2-7/8" to 3-1/8" O.D. tenon and is secured by four hex head 1/4-20 set screws. Four uniquely designed stainless steel spring clips enclosed in a clear polyvinyl chloride sleeve and adjusted by hex head 1/4-20 bolts securely cradle the optical assembly.

Ballast
(Refer to Ballast Data Sheet for specific operating characteristics) 35 - 100 watt 120 volt High Pressure Sodium (HPS) ballasts are High Power Factor Reactor type. All other HPS ballasts are High Power Factor High Reactance. 175 watt Metal Halide (MH) ballasts are Peak Lead Autotransformer (CWA) type. 70 and 100 watt MH units are available only with (120V, 208V, 240V, 277V) multitap High Power Factor High Reactance type ballast. All Mercury Vapor (MV) ballasts are High Power Factor Constant Wattage Autotransformer (CWA) type.

Reflector/Socket Assembly
The reflector/socket assembly is designed to position the specified light source at the light center of the refractor.

Installation
Refer to the instruction manual provided with each luminaire as to the specific method of wiring and mounting the luminaire.

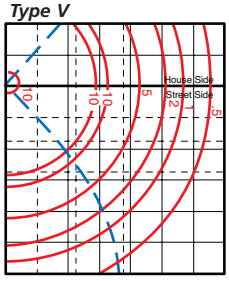
Finish
The housing is finished with polyester powder paint applied after a seven stage pretreatment process to insure maximum durability.

UL LIsting
The luminaire is UL listed as suitable for wet locations at a maximum 40°C ambient temperature.

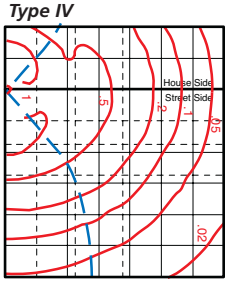
Distributions

Mounting heights are 15'

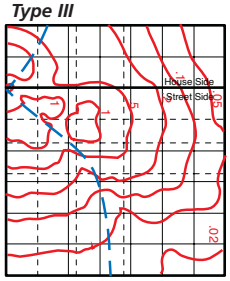
Type V



Type IV



Type III



Ordering Information

HSCapes™ HOLOPHANE outdoor lighting

DECORATIVE
Product Catalog

How to Construct a Catalog Number

Example:

GV	050HP	12	S	B	3	N	C	B	F1
1	2	3	4	5	6	7	8	9	10
Luminaire	Wattage	Voltage	Housing	Color	Optics	Trim	Finial	Trim Finish	Options/Accessories
GV SY	35DHP 050HP 50DHP 070HP 70DHP 70DMH 100HP 10DHP 10DMH 100MV 15AHP 15DHP 15DMH 175MH 175MV 17DMH 20DIN 250MV	12 20 24 27 34 48 MT	A C F L S	A B N Z	3 4 5 6 7 8	N R	B C E F N P R S	A B G N U Z	DTLPR12X DTLPR20/24/27X DTLPR34X FCVRX F1 F2 GV1A73X GVBANDX MCVRX P WHS090 WHS120 WHS180 WHSL090 WHSL120 WHSL180

Catalog Number Information

c UL us LISTED

STEP 1: Luminaire

GV GranVille
SY Syracuse

STEP 2: Source and Wattage

Mogul Base

050HP	50W HPS
070HP	70W HPS
100HP	100W HPS
15AHP	150W/55V HPS
175MH	175W MH
100MV	100W MV
175MV	175W MV
250MV	250W

Medium Base

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	200W Inc

1 120V only
2 "MT" only
3 Not available with "MT"

STEP 3: Voltage

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

STEP 4: Housing

A[2]	Arcadian
C[2]	Convex Octagonal
F[2]	Fluted
L[1]	Leaf
S[1]	Simple

1 Casting for 3" tenon
2 Casting for 7" crown

STEP 5: Color

B	Black
Z	Bronze
N	Green
A	As specified

STEP 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

STEP 7: Trim

GV

R	Hinged Top with Ribs and Bands
N	No Ribs or Bands

SY

R	Ribs, Bands and Spun Cover

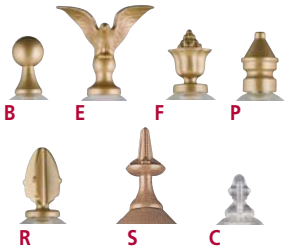
STEP 8: Finial

Painted Cast Aluminum

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

Other

C	Clear Acrylic, 3"
N	None



STEP 9: Trim Finish

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

STEP 10: Options/Accessories

FCVRX[1]	Full Decorative Aluminum Cover for "GV" (Finial required)
MCVRX[1]	Mayfield Decorative Aluminum Cover for "GV" (Covers 2/3 of the reflector and requires a finial)
P	Protected Starter for HPS Units
F1[2]	Single Fusing for 120, 240 and 277V Units. Ships Separate
F2[2]	Double Fusing for 208 and 240V Units. Ships Separate
GV1A73X[3]	3" to 7" Post Capital. Converts 3" Post Top Tenon to Flared 7" Post Capital. Use Only with "A", "F", or "C" Housings
GVBANDX[3]	Optional Decorative Band Kit Added to Glass Assembly for "GV" (Field installed)

Photocontrol Kit for "L" and "S" Housing Style only

DTLPR12X[3]	120V, GV1A73 Post Capital
DTLPR20/24/27X[3]	208, 240 or 277V, GV1A73 Post Capital
DTLPR34X[3]	347V, GV1A73 Post Capital

Internal House Side Shield

WHS090[4]	90°
WHS120[4]	120°
WHS180[4]	180°
WHSL090[4]	With Lunar Optics, 90°
WHSL120[4]	With Lunar Optics, 120°
WHSL180[4]	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

GranVille Mini

Typical Applications

- Municipal/Commercial
- Residential

Features

- Distinctive styling
- Superior performance
- Ease of maintenance
- Permanent, durable materials

Lamp Types

- 35-70 watt high pressure sodium
- 20-70 watt metal halide
- 200 watt incandescent
- 55 watt QL
- 42 watt compact fluorescent

Approvals

- UL/CUL, 40°C

GranVille® Mini

Holophane's mini version of its popular GranVille luminaire is practical and economical for homeowners and businesses, with a minimum number of fixtures needed to achieve the desired look and lighting results.

Its classic glass refractor is able to withstand heat and storms, while blending with almost any architectural style and out-performing conventional plastic globes. The fixture's illumination is comfortable and appealing, yet controlled and unobtrusive.

The original GranVille unit is ideally suited for 8 to 14 feet for safety and security, the mini version of this tasteful luminaire is typically mounted at 5 to 8 feet. Even with its smaller scale, the GranVille Mini provides the same high quality performance and durability.

GranVille Mini
(Simple housing, with standard finial and gold band)

GranVille Mini
(Simple housing, with clear finial and black band)

GranVille Mini
(Leaf housing, with no finial or band)

GranVille Mini
(Simple housing, with standard finial on an arm mount)

Product Features

The luminaire is available in two distinct housings ensuring the appropriate transition between pole and luminaire in any installation. The "Leaf" style housing will predominately be installed in commercial applications and can mate with a variety of decorative poles or wall brackets designed to enhance any given landscape.

The "Simple" style housing will be used extensively in the residential marketplace and can be paired with an ornamental decorative surface mount or less ornate simple direct burial post. The ultimate goal would be to increase pedestrian safety, enhance your home's architecture, and increase the long – term value of your property.

In addition, a variety of decorative trim options such as finials and decorative bands allow the GranVille Mini to blend with any site architecture.

1 Finial: Is designed to define luminaire shape

2 Prismatic reflector/ refractor: Defines shape and efficiently controls light

3 Decorative trim band: An optional design element

4 Housing: Holds and protects electrical components and defines luminaire shape and size

5 Pole options: A variety of pole materials and styles are available to complement luminaire and site architecture

Versatile Mounting Options

Simple housing on a residential wall bracket (PRWB343BK)

Leaf housing on an Albany wall bracket (ASWBCABK)

Leaf housing on a Annapolis wall bracket (AWBCABK)

Poles Options

Leaf housing on a Salem post (S639CABKT)

Simple housing on a residential surface mount post (PR6SC6P2BS)

Simple housing on a direct burial residential post (PR7D295C320BK)

Specifications

General Description
The luminaire consists of two main components, a ballast housing, and a prismatic glass optical assembly.

Optical Assembly
The optical assembly is a precisely molded thermal resistant borosilicate glass reflector and refractor with or without decorative finial. The upper portion of this system incorporates a series of reflecting prisms that redirects the upward light into the controlling refractor while allowing a soft uplight component to define the traditional acorn shape of the luminaire. The lower portion uses precisely molded refracting prisms to control the distribution of light to maximize uniformity. Two unique optical assemblies are available, designed for asymmetric and symmetric lighting distributions.

Leaf Ballast Housing
The ballast housing contains the ballast and other electrical components. The housing is cast of aluminum alloy with raised oak leaf pattern and is designed to flow gracefully from a 3" diameter decorative post. The housing will be secured to the post by three set screws.

Ballast
For ballast specifications, please contact a TSG representative.

Simple Housing
The simple housing is a smooth cylindrical housing designed for the 200W incandescent lamp only. Simple housing is for a 3" decorative pole shaft and is not intended to be used with a 3 x 3 inch tenon.

Installation
Refer to the installation manual provided with each luminaire as to the specific method of wiring and mounting of the luminaire.

Finish
The luminaire is finished with polyester powder paint applied after a seven stage pretreatment process to insure maximum durability.

UL Listing
The luminaire is UL listed as suitable for wet location at a maximum 40°C ambient temperature. QL units are suitable for wet location at a maximum of 30°C ambient temperature.

Ordering Information

How to Construct a Catalog Number

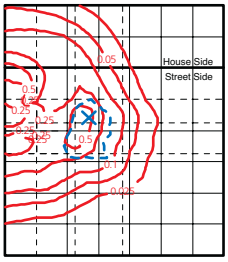
Example:

MGV	50DMH	12	L	B	5	2	B	LAMP
1	2	3	4	5	6	7	8	9
LUMINAIRE	WATTAGE	VOLTAGE	HOUSING	COLOR	OPTICS	TRIM	TRIM COLOR	OPTIONS/ACCESSORIES
MGV	20EMH 35DHP 39EMH 42CFL 50DHP 50DMH 055QL 57CFL 70CFL 70DHP 70DMH 20DIN	12 20 24 27 34 MT	L S	A B N W Z	3 5	N 1 2 3 4 5	A B G N R S Z U	LAMP MGVSHS MGVSHE R

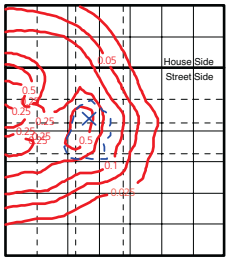
Distributions

Mounting height is 15′

Type V



Type III



Catalog Number Information

cULus LISTED

STEP 1: LUMINAIRE

MGV GranVille Mini

STEP 2: SOURCE AND WATTAGE

High Pressure Sodium

35DHP	35W HPS, medium base
50DHP	50W HPS, medium base
70DHP	70W HPS, medium base

Metal Halide

20EMH	20W MH, electronic
39EMH	39W MH, electronic
50DMH	50W MH, medium base
70DMH	70W MH, medium base

STEP 2: SOURCE AND WATTAGE

Incandescent

20DIN	200W Inc

Compact Fluorescent

42CFL	42W Compact fluorescent
055QL	55W QL

STEP 3: VOLTAGE

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

STEP 4: HOUSING

L	Leaf
S[1]	Simple

1 120V, 200 incandescent only

STEP 5: COLOR

B	Black
N	Green
W	White
Z	Bronze
A	As specified

STEP 6: OPTICS

3	Asymmetric
5	Symmetric

STEP 7: BAND AND FINIAL

N	None
1	Clear finial, no band
2	Standard finial, no band
3	Clear finial, decorative band

STEP 7: BAND AND FINIAL

4	Standard finial, decorative band
5	No finial, decorative band

STEP 8: TRIM COLOR

B	Black
G	Gold
N	Green
S	Silver
R	Red
U[1]	No trim necessary
W	White
Z	Bronze
A	As specified

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

STEP 9: OPTIONS/ACCESSORIES

LAMP	Appropriate lamp supplied

Shields

MGVSHS	Standard light trespass
MGVSHE	Mini metal halide light trespass
R	Photocontrol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FIRE LANE

HSCapes™
HOLOPHANE outdoor lighting

Washington Series

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

The prismatic glass optical system directs the available light into the desired pattern, allows for maximum spacings with excellent uniformity, minimizes upward wasted light, and creates a subtle sparkle that distinguishes the Washington PostLite luminaire from conventional plastic acorn style fixtures.

Washington PostLite
(Leaf housing, standard finial)

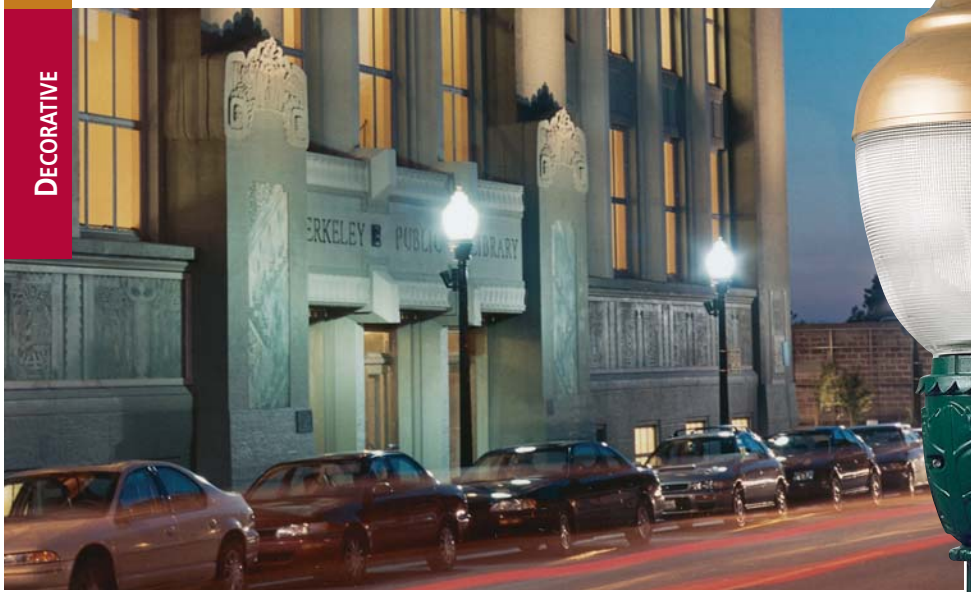
Washington PostLite
(Leaf housing, decorative cover, and standard finial)

Washington PostLite
(Leaf housing, decorative trim and custom medallions, and bud finial)

State Street
(Broad leaf housing, band and medallions, bud finial)

State Street
(Broad leaf housing, band, ribs and medallions, bud finial)

Applications



Typical Applications

- City Streets
- Urban Boulevards
- Historic Districts
- Campuses
- Walkways
- Parking Lots

Features

- Urban scale
- Permanent, durable borosilicate glass optics
- Prismatic light control
- Four lighting distributions
- Lunar Optics™ option (IESNA Cutoff)
- Two decorative housings
- Ease of maintenance ballast tray
- Ease of maintenance relamp cap
- Enhanced, tool-less maintenance option

Lamp Types

- 70 - 400 watt metal halide
- 70 - 400 watt high pressure sodium
- 250 - 400 watt mercury vapor
- 300 watt incandescent

Approvals

- UL/CUL

Washington Series luminaires accept up to 400 watt high pressure sodium, metal halide, mercury vapor, and up to 300 watt incandescent lamps. Appropriate at mounting heights between 14 and 26 feet, the three photometric distributions available (Type III, Type IV, and Type V) can provide optimum lighting for most applications.

The Washington Series is available with decorative covers, trim, finials, and customized medallions to accent any project theme.

In all settings, the Washington Series can help create a warm, pleasant, and exceptionally well illuminated environment with less wattage and fewer fixtures.

The Washington Series optical system is available on both the State Street style and the original Washington style housings. Specifically, the State Street luminaires style is a robust, ornamental design reminiscent of that "great street" in early 20th Century Chicago. It's broad leaf pattern and decorative "flared" top give the nostalgic appearance of the "good old days" when merchants lined urban boulevards.

Product Features

State Street/Washington PostLite®

Classic styling — modern design. While the Washington Series aesthetically meets the styling of yesteryear, its state-of-the-art mechanical design makes installation and maintenance as simple as changing a light bulb.

Tool-less entry into the optical system allows for quick lamp changes by simply removing the unique glass reflector access cap. Electrical connections are easily made by wiring into the terminal block mounted in the rear of the electrical chamber.

All electrical components are mounted to the housing door which may be completely removed from the fixture by simply loosening two screws and unplugging a single electrical disconnect. The removable door is supported by a retaining hook, which engages a bracket mounted on the housing, so that connections and repairs can be made without having to support the ballast components.

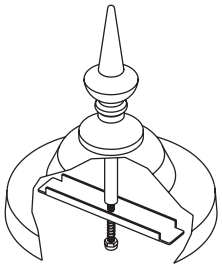
1 Finial: Is designed to define luminaire shape

2 Prismatic reflector/ refractor: Defines shape and efficiently controls light

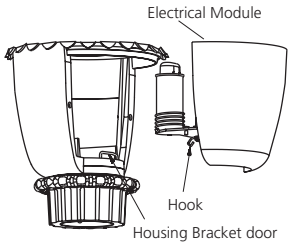
3 Decorative trim : An optional design element

4 Housing: Holds and protects electrical components and defines luminaire shape and size

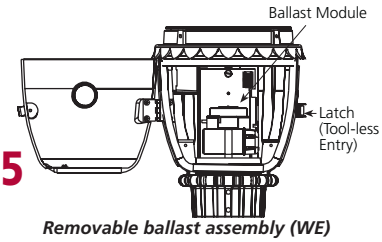
5 Pole options: A variety of pole materials and styles are available to complement luminaire and site architecture



Easy relamp access cap



Removable ballast assembly (WA)



Removable ballast assembly (WE)

Lunar Optics

Lunar Optics has been designed to address environmental lighting issues such as urban sky glow (light pollution), light trespass, and glare, in addition to maintaining classic style and appearance.

The Washington Series with Lunar Optics boasts an exquisite daytime appearance, yet has been engineered with purposeful optical performance. Specifically, the luminaire restricts the intensity (candela) at the critical vertical angles to achieve an IESNA cutoff classification.

Furthermore, a small amount of light illuminates the top acorn refractor to allow for a fully luminous nighttime appearance. As an overall result, the percentage of upward light is significantly reduced, yet the traditional lighted appearance is retained. The Lunar Optics version is ideal for applications where communities want to celebrate tradition, however are sensitive to light pollution and trespass.

1 Finial: Is designed to define luminaire shape

2 Prismatic reflector/refractor: Defines shape and efficiently controls light

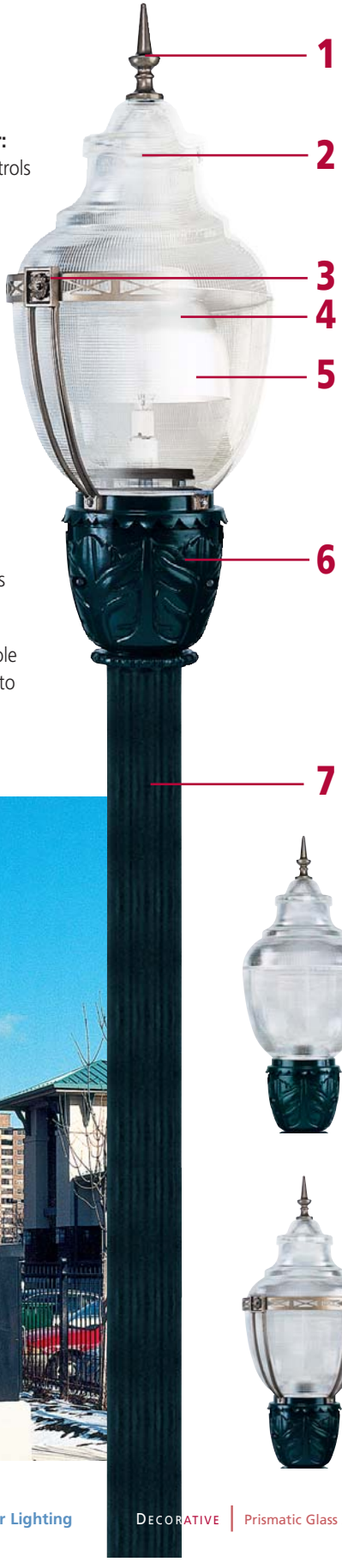
3 Decorative trim: An optional design element

4 Reflector mounting plate: Is designed to support Lunar Optics reflector assembly

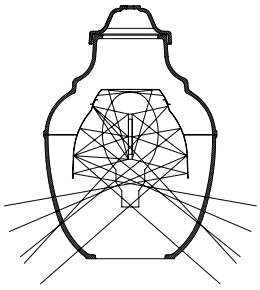
5 Anodized hydro-formed reflector: Restricts intensity at critical vertical angles to meet IESNA cutoff

6 Housing: Holds and protects electrical components and defines luminaire shape and size

7 Pole options: A variety of pole materials and styles are available to complement luminaire and site architecture



Lunar Optics™



Lunar Optics has been designed to reduce the lighting intensity at the critical vertical angles to achieve IESNA Cutoff.

Product Enhancements Available

Decorative Trim and Medallions

Choose the decorative trim option with a custom medallion for the Washington PostLite, State Street, or Utility Washington PostLite luminaires to add a touch of class to any street or area lighting project.

The Washington PostLite luminaire is unmatched in performance and beauty. This luminaire can accent any urban boulevard, commercial development, campus, or historic district.

The decorative trim option accents the beauty and style of this traditional luminaire. Available in various colors, the band panels and medallions illuminate at night to create "eye catching" appeal. You can create a design shape or letter which is relevant to your community, and build a sense of pride for your lighting installation which will be shared for years to come.

The Washington PostLite luminaire with decorative trim is available to complement any one of Holophane's extensive line of decorative aluminum, cast iron, and cast iron & steel posts.

Decorative Covers

Decorative covers are available for both the Washington PostLite glass and acrylic acorn series, the styles pictured show a decorative aluminum top cover and finial.

The decorative top cover provides both form and function. Specifically, it provides a distinctive daytime appearance by defining the top portion of the luminaire. In addition, it reduces direct uplight component significantly.

For other innovative lighting products and solutions, see the Holophane HScapes binder, or contact your local sales representative.

Pole Samples

Cast Aluminum | *Cast iron* | *Cast Iron and Steel* | *Concrete* | *Composite* | *Steel and Aluminum*

Specifications

General Description
The Washington PostLite luminaire is styled to replicate the acorn luminaires that lighted streets in the first half of the 20th century. Designed for superior light control, ease of installation, and maintenance, the Washington PostLite has a precision prismatic glass optical system for true street lighting performance as well as beauty.

Optical Assembly
The optical assembly is a precisely molded thermal resistant borosilicate glass reflector and refractor. The upper portion of this system incorporates a series of reflecting prisms that redirect over 50% of the upward light into the controlling refractor while allowing a soft uplight component to define the traditional acorn shape.

Two decorative aluminum top cover options are available. The lower portion uses precisely molded refracting prisms to control the distribution of light to maximize utilization, uniformity, and luminaire spacing. The very top of this assembly is a removable spring loaded prismatic glass cover with decorative finial for tool-less entry into the lamp chamber. Three unique optical assemblies are available, designed for IES type III, type IV, and type V distribution.

Luminaire Housing
A decorative leaf style cast aluminum luminaire housing, cradles the optical assembly and provides an enclosure for the plug-in electrical module. The nickel plated lamp grip socket and the three station incoming line terminal block are prewired to a five conductor receptacle for ease in connecting the electrical module. A slipfitter will accept a 3 inch high by 2-7/8 inch to 3-1/8 inch O.D. pipe tenon.

Electrical Module/Luminaire Housing Door
The decorative leaf style cast aluminum housing door contains the ballast components and is held in place by two captive 1/4-20 stainless steel screws. A matching six conductor plug connects to the receptacle in the luminaire housing to complete the wiring. The door has a hook which, when engaged over a retaining bar in the luminaire housing, allows both hands to be free while making or breaking connections.

Ballast
(Refer to Ballast Data Sheet for specific operating characteristics) 150 watt and below 120 volt High Pressure Sodium (HPS) ballasts are High Power Factor High Reactance. All other 150 watt and below are High Power Factor Autotransformer (CWA) type. 250 and 400 watt HPS ballasts are Lead type.

All Metal Halide (MH) ballasts are Peak Lead Autotransformer type.

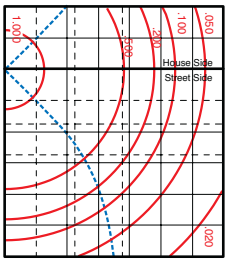
Finish/Material
The luminaire is finished with polyester powder paint applied after a seven stage pretreatment process to insure maximum durability. All castings utilize alloy #356 copper free aluminum for maximum corrosion resistance and all exposed hardware is stainless steel.

UL Listing
The luminaire is UL listed as suitable for wet locations at a maximum of 40°C ambient temperature.

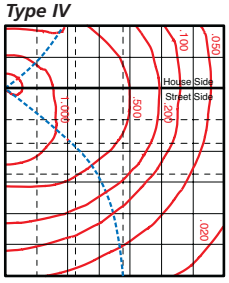
Distributions

Mounting heights are 20'

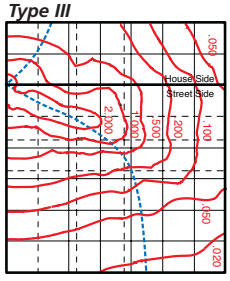
Type V



Type IV



Type III



Ordering Information

How to Construct a Catalog Number

Example:

WA	070HP	12	B	4	B	2	S
1	2	3	4	5	6	7	8
Luminaire	Wattage	Voltage	Color	Optics	Trim Color	Trim	Options/Accessories
WA	070HP	12	A	3	B	1	F
ST	70DHP	20	B	4	G	2	F1
WE	70DMH	24	N	5	N	3	F2
	100HP	27	Z	6	Z	4	H
	10DHP	34		7	A	5	LAMP
	100MH	48		8		6	PS
	15AHP	MA				7	PR
	15DHP	MB				8	S
	15DMH	MC				9	WHS090
	175MH	MD					WHS120
	17DMH						WHS180
	175MV						
	20DIN						
	250HP						
	250RHP						
	250MH						
	250MV						
	300DIN						
	400HP						
	400MV						

Catalog Number Information

c UL us LISTED

STEP 1: Luminaire

WA Washington PostLite
ST State Street
WE Enhanced Washington PostLite

WA

ST

WE

STEP 2: Source and Wattage

Mogul Base

070HP	70W HPS
100HP	100W HPS
15AHP	150W/55V HPS
250HP	250W HPS
250RHP[1]	250W/55V HPS
400HP	400W HPS
175MH	175W MH
250MH	250W MH
400MH	400W MH
175MV	175W MV
250MV	250W MV
400MV	400W MV

Medium Base

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[3]	300W Inc

1 Not available with "MA, "MB", "MC", "MD"
2 Not available with 347V and 480V
3 120V only

STEP 3: Voltage

12	120V
20	208V
24	240V
27	277V
34	347V
48	480V

Multi-tap, factory installed

MA	120V only
MB	208V only
MC	240V only
MD	277V only

STEP 4: Electrical Assembly Color

B	Black
N	Green
Z	Bronze
A	As specified

STEP 5: 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

STEP 6: Trim Color

B	Black
G	Gold
N	Green
Z	Bronze
A	As specified

STEP 7: Trim

1	Bud, finial, band, medallions
2	Spike finial, ribs, band, medallions
3	Bud finial
4	Spike finial
5	Bud finial, ribs, band, medallions
6	Spike Finial, band, medallions
7	Ornate, finial, band, medallions
8	Ornate finial
9	Ornate finial, ribs, band, medallions

STEP 7: Trim ... (Continued)

STEP 8: Options and Accessories

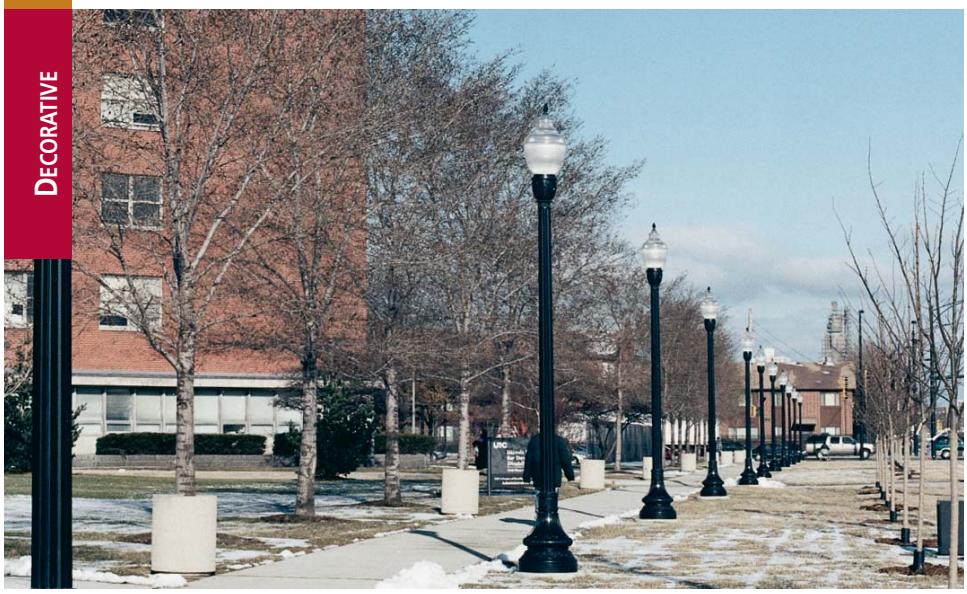
F	Full decorative aluminum cover
F1	Single fusing for 120, 240 and 277V units (ships separate)
F2	Double fusing for 208, 240 and 480V units (ships separate)
H	NEMA twist-off photocontrol (photocontrol not included) For "WE" only
LAMP	Lamp
PS	Protected starter for HPS
PR	Button style photocontrol for 120, 208, 240 and 277V, 175 watt maximum. Not available with "WE"
S	Shorewood decorative Aluminum cover (covers 2/3 of the reflector)

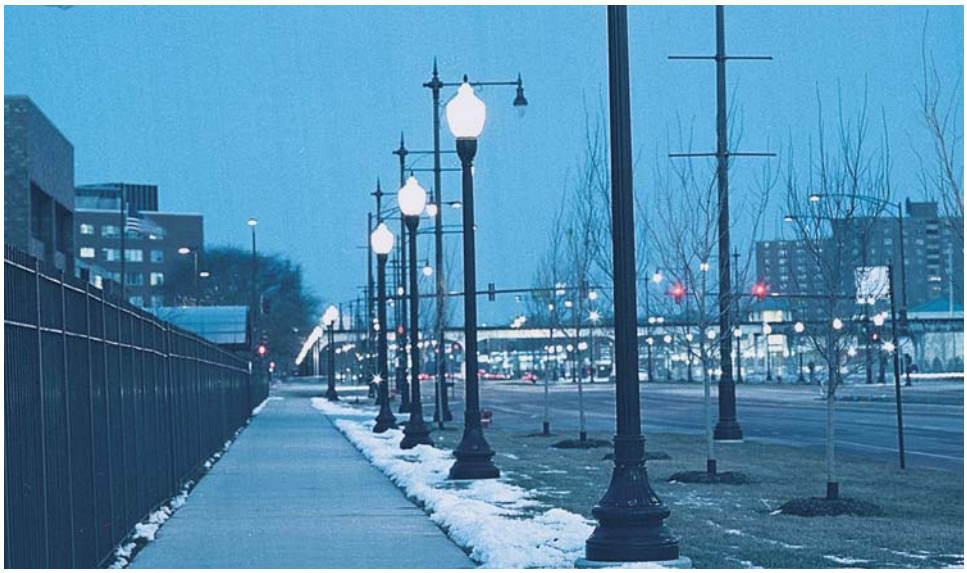
Internal House Side Shields

WHS090[1]	90°
WHS120[1]	120°
WHS180[1]	180°

1 Mogul Base Only

Washington Series | Acrylic





Typical Applications

- City Streets
- Plazas
- Campuses
- Walkways
- Parks

Features

- Modern acrylic optics (V825HID)
- Prismatic light control
- High-wattage availability
- Four lighting distributions
- Lunar Optics™ option (IESNA cutoff)
- Two decorative housing choices
- Decorative trim variety
- Enhanced, tool-less maintenance option

Lamp Types

- 70-400 watt high pressure sodium
- 70-400 watt metal halide
- 175-250 watt mercury vapor
- 300 watt incandescent

Approvals

- UL/CUL

Washington Series | Acrylic

The classic acorn style street light has adorned metropolitan avenues and town streets for nearly a century.

While maintaining the traditional shape of the original early 20th Century acorns, the Acrylic Washington PostLite® luminaire consists of modern prismatic HID acrylic. The acrylic optics have been engineered and tested to fit Holophane's seven ornamental housings, giving the customer a choice of styles with modern technologies.

State Street
(Leaf housing with standard finial)

Washington PostLite
(Leaf housing with standard finial)

The Holophane designed Acrylic Washington PostLite luminaire's optical system provides high values of vertical illumination, which in turn lead to excellent uniformity, an open visual environment, and maximum pole spacing. This is achieved by Holophane's precisely engineered prismatic structure, which is molded into the acrylic globe itself. Ultimately, the result is an effectively illuminated setting that promotes positive night-time activity with improved safety, security, and ambiance.

In addition to providing maximum lighting efficiency, the prismatic pattern spreads the lamp image over the entire globe which, in turn, allows it to appear wholly luminous and visually comfortable.

Product Features

The Acrylic Washington PostLite Series meets the classic styling of the past, yet has the state-of-the-art mechanical design to make installation and maintenance easier. Specifically, the electrical components are mounted on the housing door which can be completely removed by simply loosening two screws and unplugging a single electrical disconnect. The removable door is supported by a retaining hook, which engages a bracket mounted on the housing so that connections and repairs can be made without having to hold the ballast components in hand.

A black acrylic decorative top (Tucson style) or a painted aluminum top option is available as well to provide a unique appearance and significantly reduce direct uplight component.

1 Finial: Is designed to define luminaire shape

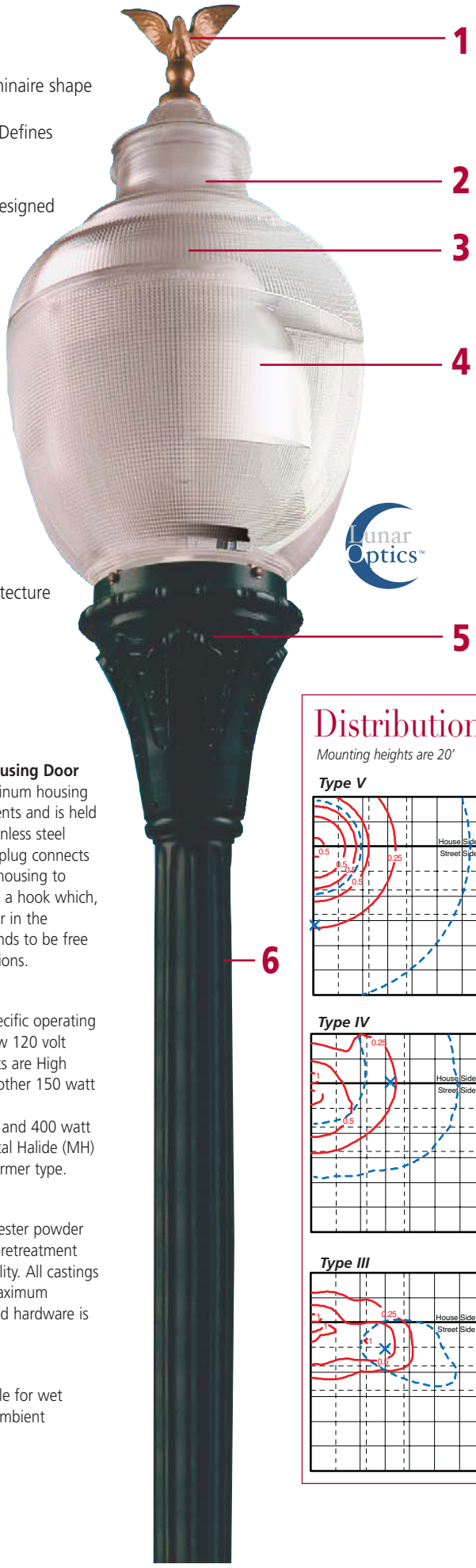
2 Prismatic reflector/ refractor: Defines shape and efficiently controls light.

3 Reflector mounting plate: Is designed to support Lunar Optics reflector assembly

4 Anodized hydro-formed reflector: Restricts intensity at critical vertical angles to meet IESNA cutoff

5 Housing: Holds and protects electrical components and defines luminaire shape and size

6 Pole options: A variety of pole materials and styles are available to complement luminaire and site architecture



Specifications

General Description
The Acrylic Washington PostLite luminaire is styled to replicate the acorn luminaires that lighted streets in the first half of the 20th century. Designed for superior light control, ease of installation, and maintenance, the Acrylic Washington PostLite has a precision prismatic acrylic optical system for true street lighting performance as well as beauty.

Optical Assembly
The optical assembly is a precisely molded acrylic reflector and refractor. The upper portion of this system incorporates a series of reflecting prisms that redirect over 50% of the upward light into the controlling refractor while allowing a soft uplight component to define the traditional acorn shape. A decorative aluminum top cover is available. The lower portion uses precisely molded refracting prisms to control the distribution of light to maximize utilization, uniformity, and luminaire spacing. Three unique optical assemblies are available, designed for IES type III, type IV, and type V distribution.

Luminaire Housing
A decorative leaf style cast aluminum luminaire housing, cradles the optical assembly and provides an enclosure for the plug-in electrical module. The nickel plated lamp grip socket and the three station incoming line terminal block are prewired to a five conductor receptacle for ease in connecting the electrical module. A slipfitter will accept a 3 inch high by 2-7/8 inch to 3-1/8 inch O.D. pipe tenon.

Electrical Module/Luminaire Housing Door
The decorative leaf style cast aluminum housing door contains the ballast components and is held in place by two captive 1/4-20 stainless steel screws. A matching six conductor plug connects to the receptacle in the luminaire housing to complete the wiring. The door has a hook which, when engaged over a retaining bar in the luminaire housing, allows both hands to be free while making or breaking connections.

Ballast
(Refer to Ballast Data Sheet for specific operating characteristics) 150 watt and below 120 volt High Pressure Sodium (HPS) ballasts are High Power Factor High Reactance. All other 150 watt and below are High Power Factor Autotransformer (CWA) type. 250 and 400 watt HPS ballasts are Lead type. All Metal Halide (MH) ballasts are Peak Lead Autotransformer type.

Finish/Material
The luminaire is finished with polyester powder paint applied after a seven stage pretreatment process to insure maximum durability. All castings utilize alloy #356 aluminum for maximum corrosion resistance and all exposed hardware is stainless steel.

UL Listing
The luminaire is UL listed as suitable for wet locations at a maximum of 40°C ambient temperature.

Distributions

Mounting heights are 20'

Type V

Type IV

Type III

Ordering Information

How to Construct a Catalog Number

Example:

AW	100HP	20	B	6	M	P	B	F1
1	2	3	4	5	6	7	8	9
Luminaire	Wattage	Voltage	Finish	Optics	Trim	Finial	Trim Finish	Options/Accessories
AW AS AE	070HP 70DHP 70DMH 100HP 10DHP 10DMH 15AHP 15DHP 15DMH 175MH 17DMH 175MV 250HP 250RHP 250MH 250MV 300DIN 400HP 400MH	12 20 24 27 34 48 MA MB MC MD	A B N Z	3 4 6 7 8	F D N M	B C E F K N P R S	B G N Z U A	F1 F2 H PR PS RBMX TB TR WHS090 WHS120 WHS180

Catalog Number Information

STEP 1: Luminaire

AW Acrylic Washington PostLite
AS Acrylic Washington PostLite SS (State Street)
AE Enhanced Acrylic Washington PostLite

STEP 2: Source and Wattage

Mogul Base

070HP	70W HPS
100HP	100W HPS
15AHP	150W/55V HPS
250HP	250W HPS
250RHP[1]	250W/55V HPS
400HP	400W HPS
175MH	175W MH
250MH	250W MH
400MH	400W MH
175MV	175W MV
250MV[3]	250W MV

Medium Base

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[3]	300W Inc

1 120V only
2 Not available with 480V
3 Not available with "MA", "MB", "MC", "MD"

STEP 3: Voltage

12	120V
20	208V
24	240V
27	277V
34	347V
48	480V

Multi-tap, factory installed

MA	120V only
MB	208V only
MC	240V only
MD	277V only

STEP 4: Color

B	Black
N	Green
Z	Bronze
A	As specified

STEP 5: Optics

Asymmetric

3	Type III
4	Type IV
6	Type II – Narrow Lunar Optics
7[1]	Type III – Wide Lunar Optics

Symmetric

5	Type V
8	Type V – Lunar Optics

1 175W max.

STEP 6: Trim

M	Band and medallions only
N	None
F	Full decorative painted cover
D	Full decorative painted cover with band and medallions only

STEP 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

STEP 8: Trim Color

B	Black
G	Gold
N	Green
Z	Bronze
U	No trim necessary
A	As specified

STEP 9: Options and Accessories

PS	Protected starter for HPS
PR[1]	Button style photocontrol for 120, 208, 240 and 277V.
H[2]	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)
RBMX[3]	Field installed ribs, band and medallions kit. For use with units without factory installed medallions and band ("N" in step #6)

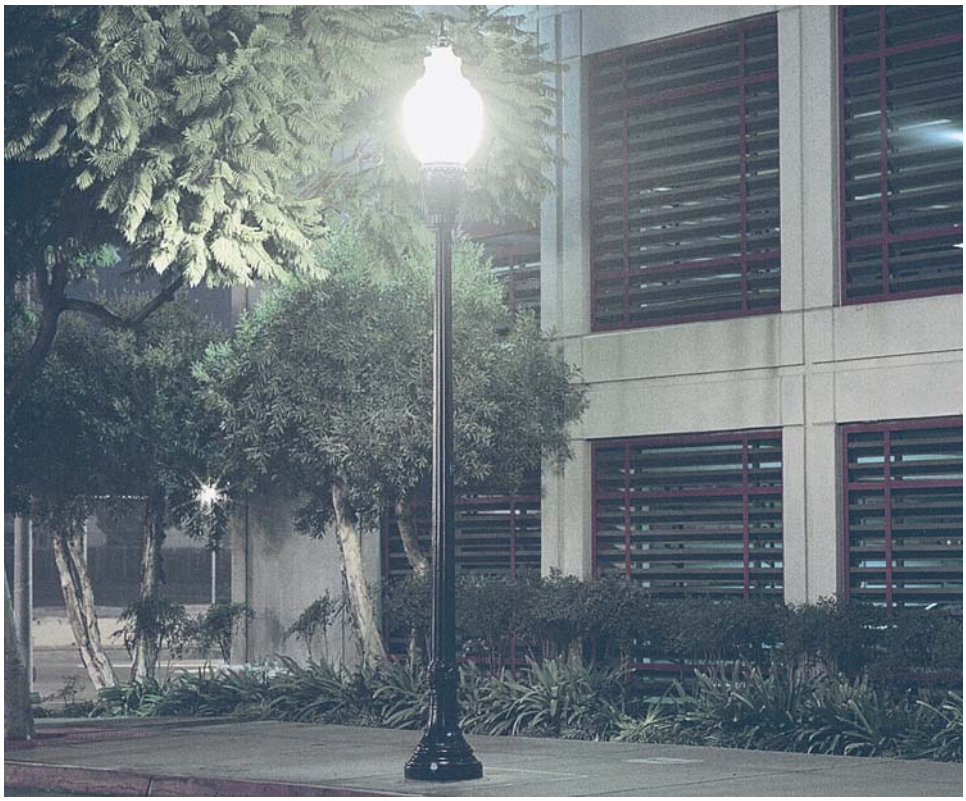
Internal House Side Shields

WHS090[4]	90°
WHS120[4]	120°
WHS180[4]	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

TB with RBMX

Washington Series | Acrylic GV



Typical Applications

- City Streets
- Plazas
- Campuses
- Walkways
- Parks

Features

- Modern acrylic optics (V825HID)
- Prismatic light control
- Four lighting distributions
- Lunar Optics™ option (IESNA cutoff)
- Six decorative housing choices
- Decorative trim variety

Lamp Types

- 35-150 watt high pressure sodium
- 100-175 watt metal halide
- 100-250 watt mercury vapor
- 300 watt incandescent

Approvals

- UL/CUL

Washington Series | Acrylic GV

The Holophane designed Acrylic Washington PostLite® GV luminaire is an acorn ideal for settings in which pedestrian safety, security, and comfort is essential. The highly engineered optical system provides high values of vertical illumination which, in turn, leads to excellent uniformity, an open visual environment, and maximum pole spacing.

The Acrylic Washington PostLite GV series is available with one of six distinctly styled ballast housings. A choice of the Leaf, Simple, Arcadian, Convex, or Fluted housings allow the Acrylic Washington PostLite GV luminaire to adapt to virtually any new or existing post. In addition to a variety of housing designs, decorative trim such as finials, bands, covers, or medallions can accent the luminaire.

Washington PostLite GV
(Convex housing with clear finial)

Washington PostLite GV
(Fluted housing with standard finial, band and medallions)

Washington PostLite GV
(Fluted housing with Tucson option)

Washington PostLite GV
(Fluted housing with decorative full cover)

Product Features

The Washington Acrylic GV is styled to replicate the acorn luminaires that illuminated streets in the first half of the 20th century. Designed for superior light control, ease of maintenance, and design flexibility, the Washington Acrylic GV has a precision prismatic acrylic optical system that offers a wide choice of lighting distributions while providing the flexibility of mating with six distinct decorative ballast housings. This luminaire series provides ultimate flexibility in meeting today's design criteria.

1 Finial: Is designed to define luminaire shape

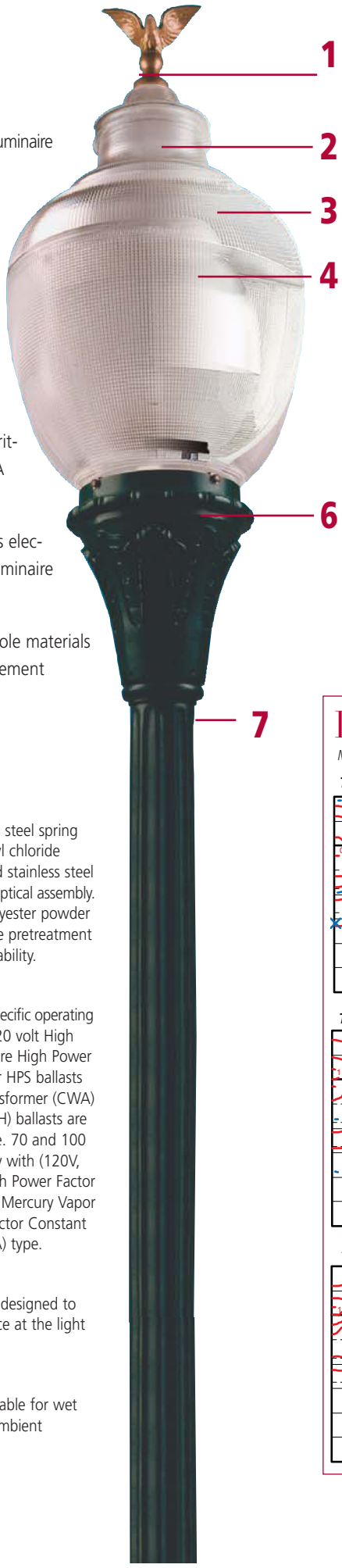
2 Prismatic reflector/ refractor: Defines shape and efficiently controls light

3 Reflector mounting plate: Is designed to support Lunar Optics reflector assembly

4 Anodized hydro-formed reflector: Restricts intensity at critical vertical angles to meet IESNA cutoff

5 Housing: Holds and protects electrical components and defines luminaire shape and size

7 Pole options: A variety of pole materials and styles are available to complement luminaire and site architecture



Specifications

General Description
The luminaire consists of three main components, a ballast housing, a reflector with socket, and a prismatic acrylic optical assembly.

Optical Assembly
The optical assembly is a precisely molded prismatic acrylic reflector and refractor. The upper portion of this system incorporates a series of reflecting prisms that redirect over 50 % of the upward light into the controlling refractor while allowing a soft uplight component to define the traditional acorn shape. A decorative aluminum top cover is available. The lower portion uses precisely molded refracting prisms to control the distribution of light to maximize utilization, uniformity, and luminaire spacing.

Three unique optical assemblies are available, designed for IES type III, type IV, and type V distribution.

Ballast Housing
The ballast housing contains the ballast and other electrical components. The housing is cast of 356 aluminum alloy with a smooth concave contour designed to flow gracefully from a 7" diameter decorative post capital. The ballast housing is secured by four hex head stainless steel 1/4-20 x 5/8" set screws. Four uniquely designed stainless steel spring clips enclosed in a clear polyvinyl chloride sleeve and adjusted by hex head stainless steel 1/4-20 bolts securely cradle the optical assembly. The housing is finished with polyester powder paint applied after a seven stage pretreatment process to insure maximum durability.

Ballast
(Refer to Ballast Data Sheet for specific operating characteristics) 35 - 100 watt 120 volt High Pressure Sodium (HPS) ballasts are High Power Factor High Reactance. All other HPS ballasts are High Power Factor Autotransformer (CWA) type. 175 watt Metal Halide (MH) ballasts are Peak Lead Autotransformer type. 70 and 100 watt MH units are available only with (120V, 208V, 240V, 277V) multitap High Power Factor High Reactance type ballast. All Mercury Vapor (MV) ballasts are High Power Factor Constant Wattage Autotransformer (CWA) type.

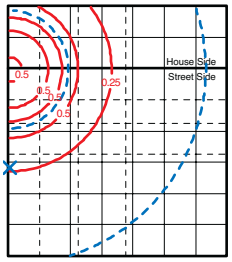
Reflector/Socket Assembly
The reflector/socket assembly is designed to position the specified light source at the light center of the refractor.

UL Listing
The luminaire is UL listed as suitable for wet locations at a maximum 40°C ambient temperature.

Distributions

Mounting heights are 20'

Type V



Type IV

Type III

Ordering Information

How to Construct a Catalog Number

Example:

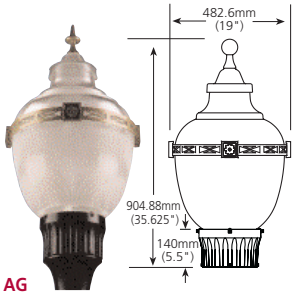
AG	050HP	12	S	B	3	N	R	B	TB
1	2	3	4	5	6	7	8	9	10
LUMINAIRE	WATTAGE	VOLTAGE	HOUSING	COLOR	OPTICS	TRIM	FINIAL	TRIM FINISH	OPTIONS/ACCESSORIES
AG	35DHP 050HP 50DHP 070HP 70DHP 70DMH 100HP 10DHP 10DMH 100MV 15AHP 15DHP 15DMH 175MH 17DMH 175MV 250MV 30DIN	12 20 24 27 34 48 MA MB MC MD	A C F L S W	B N Z A	3 4 5 6 7 8	D F M N	B C E F K N P R S	B G N Z U A	H F1 F2 LAMP PR PS TR TB GV1A73X RBMX DTLPR12X DTLPR20/24/27X WHS090 WHS120 WHS180

c UL us LISTED

Catalog Number Information

STEP 1: LUMINAIRE

AG Acrylic Washington PostLite GV Series



AG

STEP 2: SOURCE AND WATTAGE

Mogul Base

050HP	50W HPS
070HP	70W HPS
100HP	100W HPS
15AHP	150W/55V HPS
175MH	175W MH
100MV	100W MV
175MV	175W MV
250MV[3]	250W MV

Medium Base

35DHP	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[3]	300W Inc

1 120V only
2 "MT" only
3 Not available with "MT"

STEP 3: VOLTAGE

12	120V
20	208V
24	240V
27	277V
34	347V
48	480V

Multi-tap, factory installed

MA	120V only
MB	208V only
MC	240V only
MD	277V only

STEP 4: HOUSING

A[2]	Arcadian
C[2]	Convex
F[2]	Fluted
L[1]	Leaf
S[1]	Simple
W	"W" Style

1 Casting for 3" Tenon
2 Casting for 7" Crown

STEP 5: COLOR

B	Black
N	Green
Z	Bronze
A	As specified

STEP 6: OPTICS

Asymmetric

3	Type III
4	Type IV
6	Type II – Narrow Lunar Optics
7[1]	Type III – Wide Lunar Optics

Symmetric

5	Type V
8	Type V – Lunar Optics

1 175W max.

STEP 7: TRIM

M	Band and medallions only
N	None
F	Full decorative painted cover
D	Full decorative painted cover with band and medallions only

STEP 8: 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

STEP 9: TRIM FINISH

B	Black
G	Gold
N	Green
Z	Bronze
U	No trim necessary
A	As specified

STEP 10: OPTIONS / ACCESSORIES

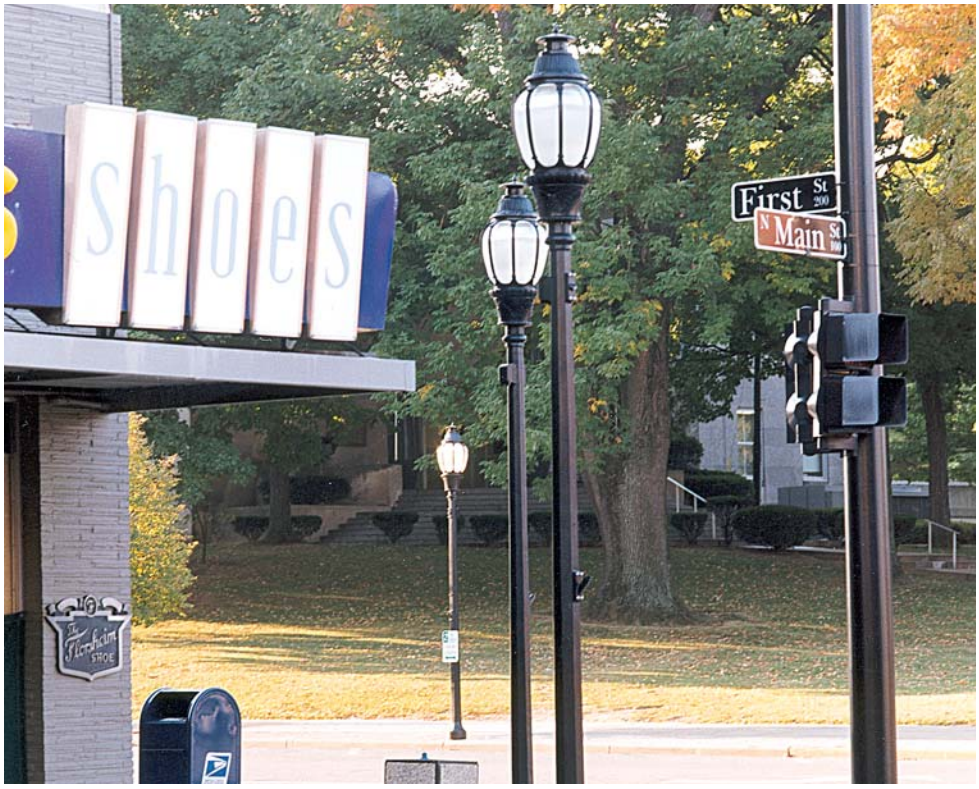
H	Button style photocontrol and protected starter
F1[1]	Single fusing for 120, 240 and 277V units. Ships separate
F2[1]	Double fusing for 208 and 240V Units. Ships separate
LAMP	Appropriate lamp
PR	Button style photocontrol
PS	Protected starter for HPS
TR	Top re-lamping access
TB	Tucson style (acrylic 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.

Internal House Side Shields

WHS090[4]	90°
WHS120[4]	120°
WHS180[4]	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

Madeira



Typical Applications

- City Streets
- Urban Boulevards
- Historic Districts
- Campuses
- Walkways
- Parking Lots

Features

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

Lamp Types

- 70 - 400 watt metal halide
- 70 - 400 watt high pressure sodium
- 300 watt incandescent

Approvals

- UL/CUL

Ordering Information

HSCapes™ HOLOPHANE outdoor lighting

DECORATIVE
Product Catalog

How to Construct a Catalog Number

Example:

MD	175MH	24	N	6	1	N	B	F1
1	2	3	4	5	6	7	8	9
LUMINAIRE	WATTAGE	VOLTAGE	COLOR	OPTICS	FINIAL	TRIM COLOR	RIB COLOR	OPTIONS/ACCESSORIES
MD	070HP 70DHP 70DMH 100HP 10DHP 10DMH 15AHP 15DHP 15DMH 175MH 17DMH 250HP 250RHP 250MH 300DIN 400HP 400MH	12 20 24 27 34 48 MA MB MC MD	B N Z A	3 4 5 6 7 8	1 2 3 4	B G N Z A	B G N Z A	PS PR F1 F2 WHS090 WHS120 WHS180

Catalog Number Information

c UL US LISTED

STEP 1: LUMINAIRE

MD Madeira

STEP 2: SOURCE AND WATTAGE

Mogul Base

070HP	70W HPS
100HP	100W HPS
15AHP	150W/55V HPS
250HP	250W HPS
250RHP[1]	250W/55V HPS
400HP	400W HPS
175MH	175W MH
250MH	250W MH
400MH	400W MH

Medium Base

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[3]	300W Inc

1 Mag Reg
2 Not available with 480V
3 120V only

STEP 3: VOLTAGE

12	120V
20	208V
24	240V
27	277V
34	347V
48	480V

Multi-tap, factory installed

MA	120V only
MB	208V only
MC	240V only
MD	277V only

STEP 4: HOUSING COLOR

B	Black
N	Green
Z	Bronze
A	As specified

STEP 5: 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

STEP 6: FINIAL

1	Replica Chimney
2	Bud finial
3	Ornate finial
4	Spike finial

STEP 7: TRIM COLOR

B	Black
G	Gold
N	Green
Z	Bronze
A	As Specified

STEP 8: RIB COLOR

B	Black
G	Gold
N	Green
Z	Bronze
A	As Specified

STEP 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)

Internal House Side Shields

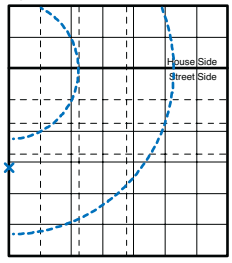
WHS090[1]	90°
WHS120[1]	120°
WHS180[1]	180°

1 Mogul Base Only

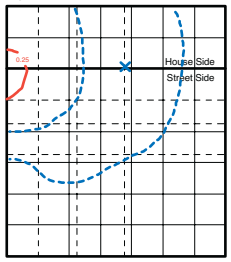
Distributions

Mounting heights are 20′

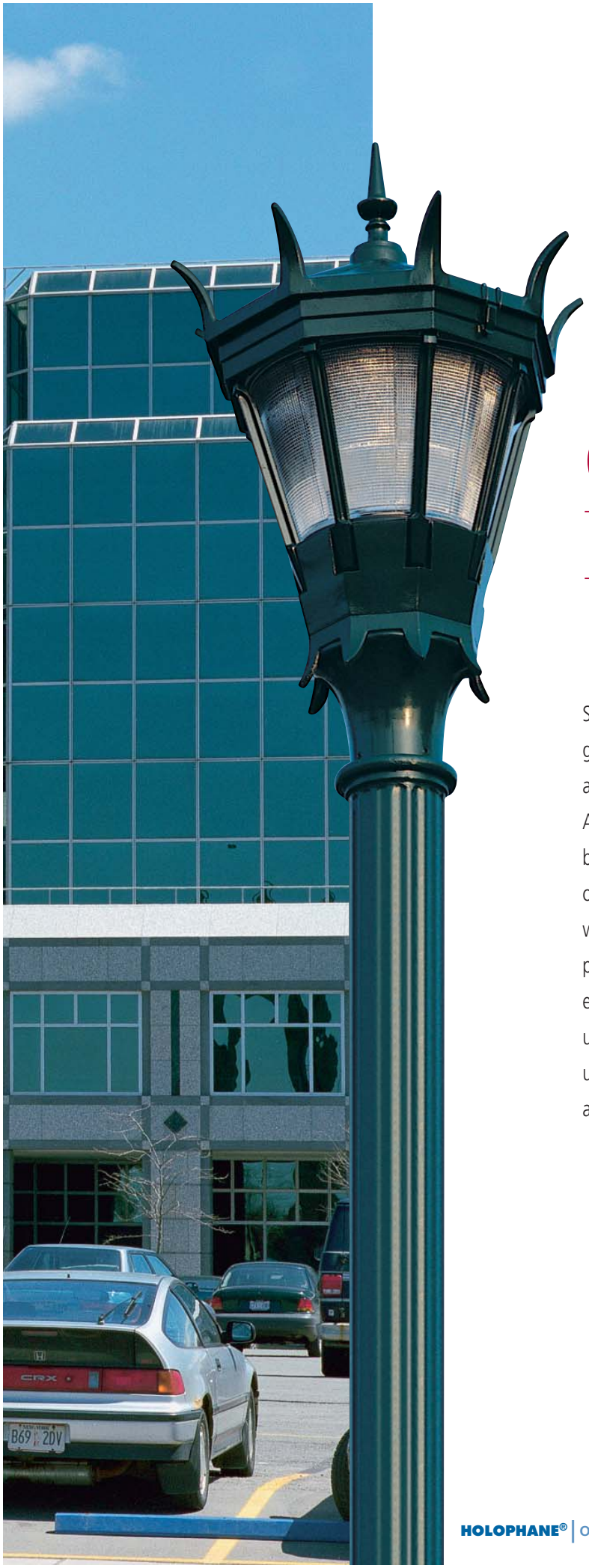
Type V



Type IV




Marine
Midland
Bank



Octagonal Lanterns

Arlington

Jefferson

Since the 1920's, luminaires incorporating the graceful symmetry of the eight-sided lantern have adorned urban streets and parks throughout North America. The Holophane 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. Because the optical system is precisely engineered, extended pole spacings and unparalleled uniformity can be achieved, while unwanted light trespass and disabling glare are limited.

Applications

Typical Applications

- Historic Districts
- City Streets
- Parks
- Campuses
- Residential Areas
- Walkways

Features

- Early era styling
- Pedestrian scaled
- Prismatic light control
- Glass, acrylic, or polycarbonate refractor
- IESNA cutoff option

Lamp Types

- 35-150 watt high pressure sodium
- 70-175 watt metal halide
- 100-250 watt mercury vapor

Approvals

- UL/CUL

The Octagonal Lantern series is reminiscent of the eight sided lanterns that illuminated city streets since the early 1900's. Superior light control is achieved by a one piece fully prismatic glass refractor designed for maximum pole spacing, excellent uniformity, while controlling unwanted light trespass and limiting glare.

This luminaire series is used for a variety of applications. This product is utilized for municipal street lighting, residential street lighting, parks, campuses, historic districts, and walkways. The luminaire will scale with a range of decorative post styles ranging from eight to fourteen feet in height. In addition, the luminaire can be mated with a variety of decorative wall brackets to complement the post top assemblies further enhancing the site architecture.

Product Features

The Octagonal Lantern's superior optical performance is accompanied by the highest quality components and unequalled product design to ensure unmatched durability. A unique one-piece refractor limits dirt and insect penetration into the optical assembly, thereby avoiding the accumulation of unsightly debris common in many eight-paneled lanterns. Also, the one-piece design provides proper orientation of the prisms that control light distributions to ensure that optimum performance is achieved. Furthermore, maintenance is facilitated by allowing easy removal of the optics for cleaning or replacement.

Both the Arlington and Jefferson luminaires are available with Holophane's complete line of decorative aluminum, iron, iron & steel, concrete, or fiberglass posts.

1 Finial: Is designed to define luminaire shape

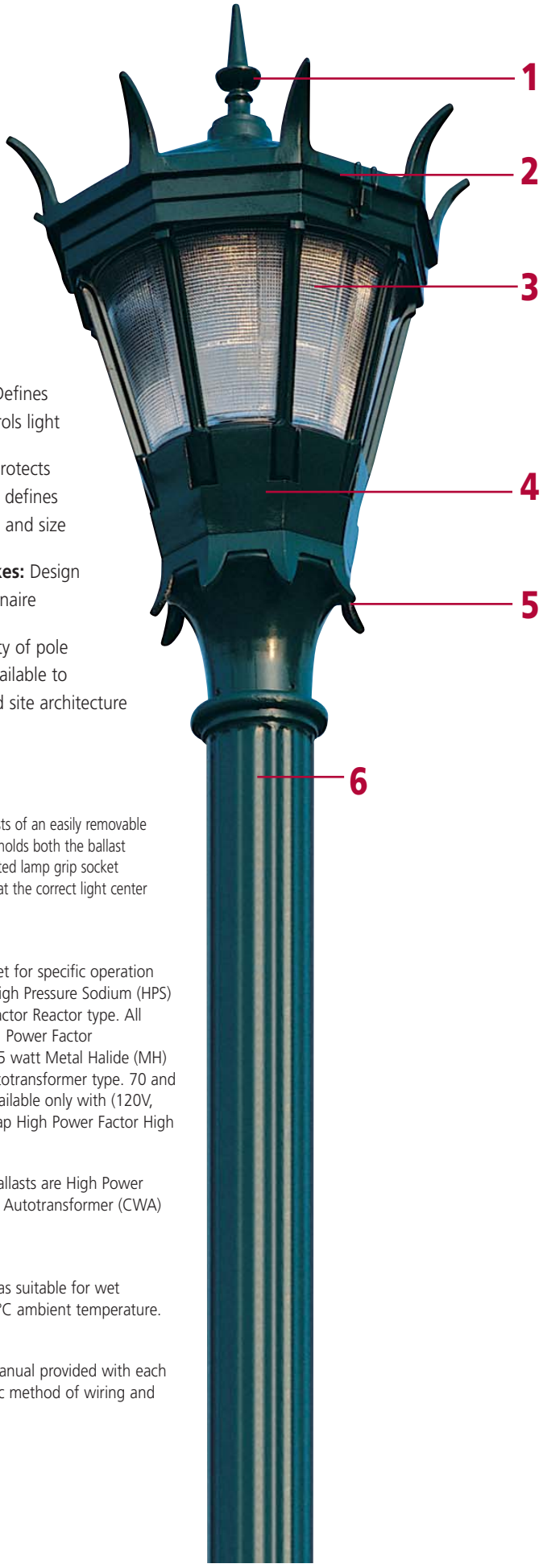
2 Decorative top cover: Is designed to define luminaire shape and houses the internal anodized aluminum reflector

3 Prismatic refractor: Defines shape and efficiently controls light

4 Housing: Holds and protects electrical components and defines luminaire octagonal shape and size

5 Top and bottom spikes: Design element for Jefferson luminaire

6 Pole options: A variety of pole materials and styles are available to complement luminaire and site architecture



Specifications

General Description
This Octagonal Lantern, while reminiscent of the eight-sided streetlighting lanterns of the 1920's, utilizes a precision optical system to maximize post spacings while maintaining uniform illumination.

Optical System
The optical system consists of a precisely molded refractor operating in conjunction with a formed anodized aluminum reflector located in the top cover. Positive pressure from three coiled springs backing the reflector and gaskets at the top and bottom of the refractor create a sealed optical compartment. Refractors designed to provide an IES Type III distribution are available molded from thermal resistant borosilicate glass and acrylic or polycarbonate plastic. Type V refractors are available in acrylic or polycarbonate only. An IES cutoff option is available.

Luminaire Housing
The luminaire housing, cast of aluminum, consists of an octagonal top ring and octagonal base connected by eight vertical mullions that visually divide the refractor into eight individual panes. The base is designed to mount on a 7" post capital, secured by four stainless steel allen head set screws.

Top Cover
The octagonal top cover, cast of aluminum, is attached to the top ring by a painted stainless steel piano hinge and latched with an over center positive action stainless steel latch.

Electrical Assembly
The electrical assembly consists of an easily removable galvanized steel plate which holds both the ballast components and a nickel plated lamp grip socket positioned by a socket strap at the correct light center position of the refractor.

Ballast
(Refer to Ballast Data Sheet for specific operation characteristics) 120 volt High Pressure Sodium (HPS) ballasts are High Power Factor Reactor type. All other HPS ballast are High Power Factor Autotransformer type. 175 watt Metal Halide (MH) ballasts are Peak Lead Autotransformer type. 70 and 100 watt MH units are available only with (120V, 208V, 240V, 277V) multitap High Power Factor High Reactance type ballast.

All Mercury Vapor (MV) ballasts are High Power Factor Constant Wattage Autotransformer (CWA) type.

UL LIsting
The luminaire is UL listed as suitable for wet locations at maximum 25°C ambient temperature.

Installation
Refer to the instruction manual provided with each luminaire as to the specific method of wiring and mounting the luminaire.

Ordering Information

How to Construct a Catalog Number

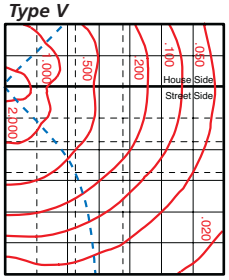
Example:

AR	15AHP	12	Z	P3	R
1	2	3	4	5	6
LUMINAIRE	WATTAGE	VOLTAGE	COLOR	OPTICS	OPTIONS/ACCESSORIES
AR JF	35DHP 050HP 50DHP 070HP 70DHP 70DMH 100HP 10DHP 10DMH 100MV 15AHP 15DHP 15DMH 175MH 17DMH 175MV 250MV 20DIN	12 20 24 27 48 MT	B N Z A	A3 A5 G3 P3 P5	PS R C F1 F2 GV1A73X DTPR12X DTLPR20/24/27X SD-90-90 SD-120-120 SD-180-180

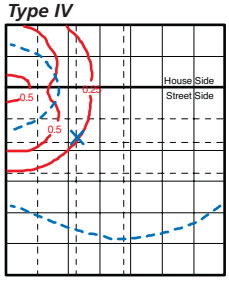
Distributions

Mounting heights are 20′

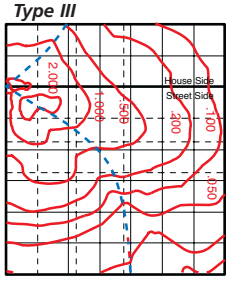
Type V



Type IV



Type III



Catalog Number Information

c UL us LISTED

STEP 1: LUMINAIRE

AR Arlington
JF Jefferson

STEP 2: SOURCE AND WATTAGE

Mogul Base

050HP	50W HPS
070HP	70W HPS
100HP	100W HPS
15AHP	150W/55V HPS
175MH	175W MH
100MV	100W MV
175MV	175W MV
250MV [1]	250W MV

1 For "G3" optics only. Not available with "MT"

STEP 2: SOURCE ... (CONTINUED)

Medium Base

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	200W Inc

1 Mag Reg
2 Not available with 480V

STEP 3: VOLTAGE

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

STEP 4: COLOR

B	Black
N	Green
Z	Bronze
A	As specified

STEP 5: OPTICS

Asymmetric

G3	Glass refractor
P3 [1]	Polycarbonate refractor
A3 [1]	Acrylic refractor

Symmetric

P5 [1]	Polycarbonate refractor
A5 [1]	Acrylic refractor

1 Not available with 250 MV

STEP 6: OPTIONS AND ACCESSORIES

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. Not available 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. Use only with "A", "F", or "C" housings.
DTLPR12X [3]	Photocontrol kit for 120V, "S" and "L" housing style only or GV1A73 post capital.
DTLPR20/24/27X [3]	Photocontrol kit for 208, 240 and 277V "S" and "L" housing style only or GV1A73 post capital.

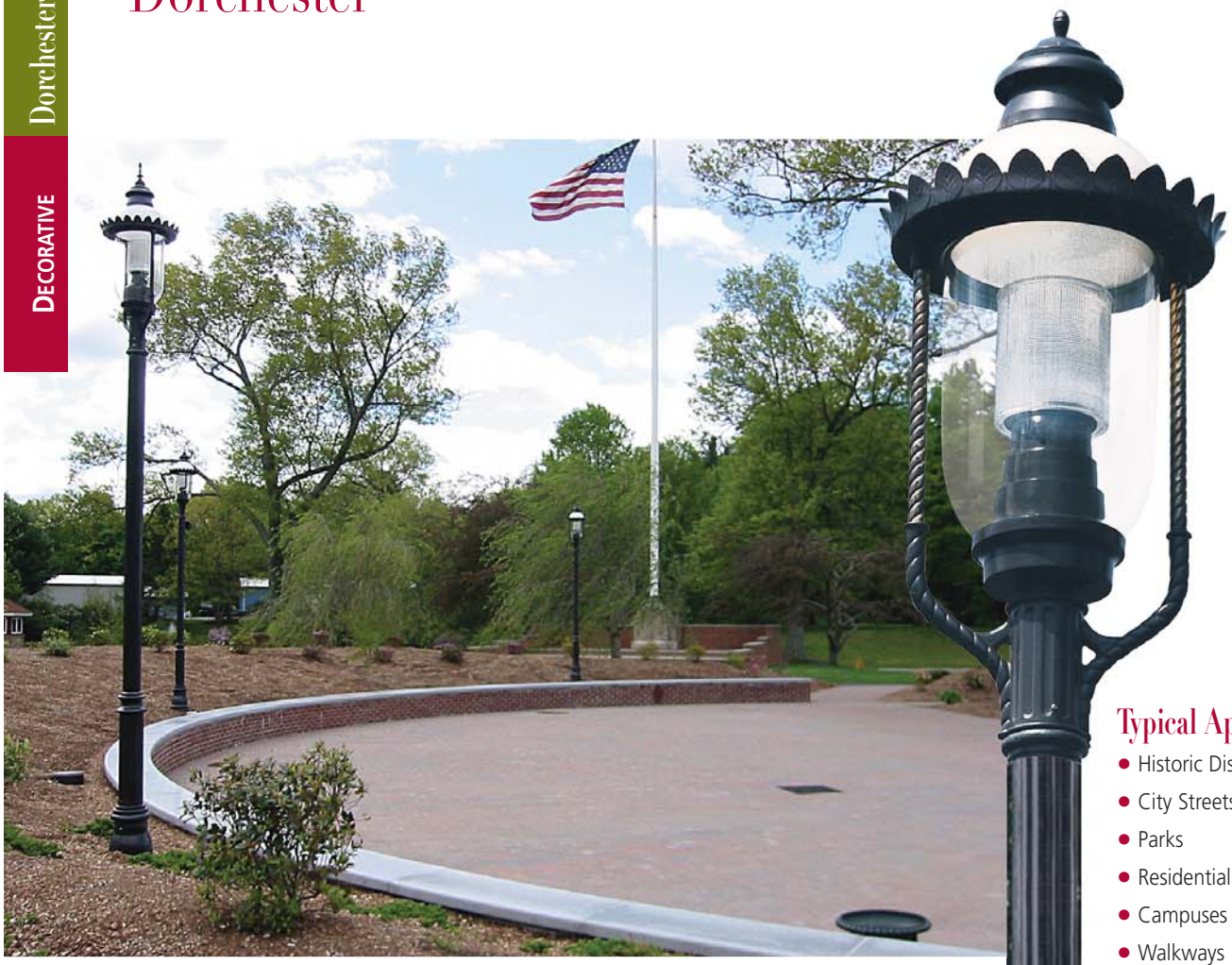
House Side Shields for Field Installations

SD-90-90 [3]	90°
SD-120-120 [2]	120°
SD-180-180 [2]	120°

Internal House Side Shields

WHS090 [1]	90°
WHS120 [1]	120°
WHS180 [1]	180°

Dorchester®



Typical Applications

- Historic Districts
- City Streets
- Parks
- Residential Areas
- Campuses
- Walkways

Features

- Early era styling
- Pedestrian scaled
- Prismatic light control
- Ease of maintenance
- IESNA cutoff option

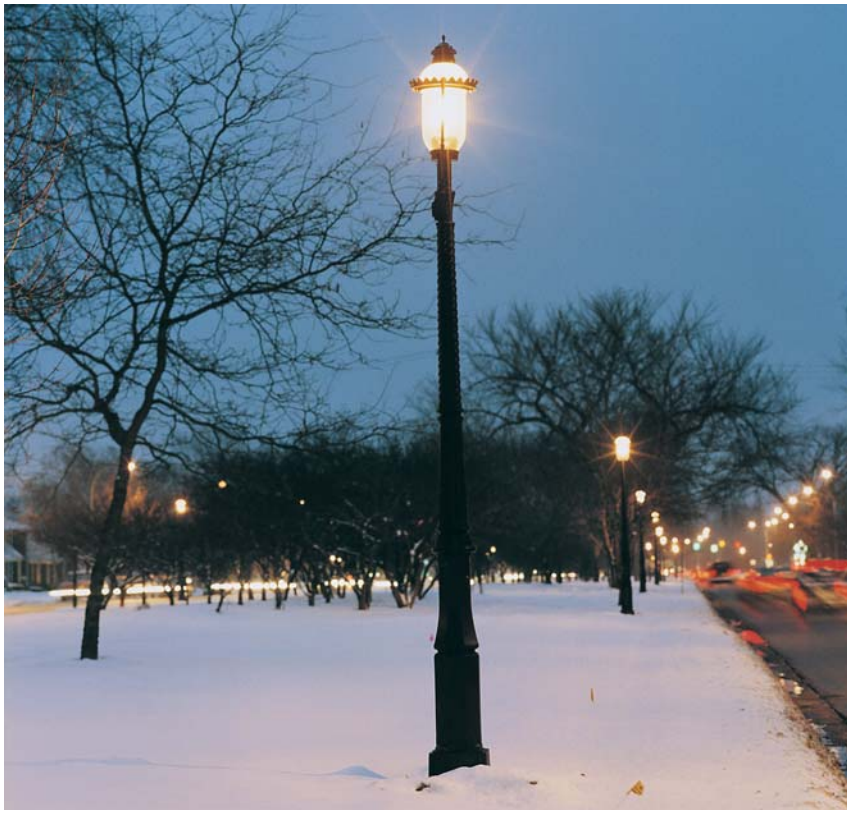
Lamp Types

- 35 - 150 watt HPS
- 70 - 175 watt MH
- 100 - 175 watt MV
- 200 watt Incandescent

Approvals

- UL/CUL

Dorchester®



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. However, at the turn of the century the trend was to utilize more intense electric powered lamps. The impact was that luminaire styles changed from the graceful lines of gas lanterns to non-decorative utilitarian fixtures at higher mounting heights and greater spacings.

The Dorchester Series luminaire turns back time to capture the essence of the Victorian style gaslight while incorporating the most efficient technology available today.

Product Features

The translucent acrylic dome allows light to define the classic Victorian shape while emitting a soft upward glow to gently illuminate foliage and building facades. Furthermore, some controlled uplight eliminates the cavern effect created by solid topped luminaires.

Specifically, the dome is held by a cast aluminum filigree ring to provide authentic styling. It is secured by a cam latch which can be operated without tools providing easy access to the optical compartment and the lamp. A spun aluminum top cap, in the form of a vent, completes the luminaire.

In addition, the Dorchester luminaire utilizes a prismatic glass refractor to spread the light source across its entire surface allowing the use of high intensity discharge lamps without disabling glare. In addition, three unique refractors are available to provide symmetrical, asymmetrical, or square distributions of light to maximize utilization and provide uniform illumination.

1 Top cap/finial: Is designed to define luminaire shape

2 Decorative top cover: Translucent acrylic dome defines the classic Victorian style

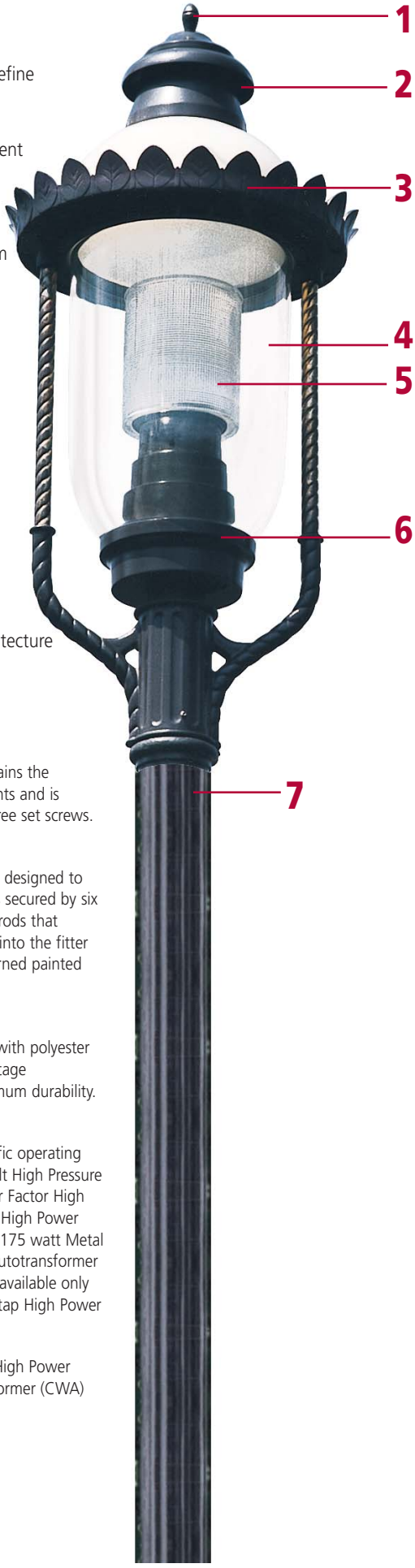
3 Filigree ring: The cast aluminum ring provides authentic styling

4 Clear cylinder: The clear acrylic cylinder defines luminaire shape

5 Prismatic refractor: Efficiently controls light

6 Housing: Holds and protects electrical components and defines luminaire shape and size.

7 Pole options: A variety of pole materials and styles are available to complement luminaire and site architecture



Specifications

General Description
The luminaire is styled in the fashion of a turn of the century gaslight but with a prismatic glass optical assembly to precisely control the light from an efficient high intensity discharge lamp. The optical assembly is enclosed by a clear acrylic outer cylinder and translucent dome which is mounted in a hinged and latched frame. The ballast housing supports the optical assembly and clear cylinder and is, in turn, supported by the fitter assembly. Two rods attached to the fitter assembly support an upper ring to which the dome door frame is attached.

Optical Assembly
The optical assembly is a precisely molded thermal resistant borosilicate glass refractor mechanically attached to the socket assembly. Three unique refractors are available to provide symmetrical, square, or asymmetrical distributions of light to maximize the utilization and provide uniform illumination.

Top Dome Assembly
The translucent acrylic dome allows light to define the classic shape of this unit in the dark hours while emitting a soft upward glow to gently illuminate foliage and building facades, eliminating the cavern effect created by solid topped luminaires. The hinged dome frame is cast of aluminum as a filigree ring to provide authentic styling and is secured by a cam latch which can be operated without tools by a gloved hand to provide easy access to the optical compartment. A gasket between the door frame and upper ring protects the optical assembly from dirt and moisture. A spun aluminum top cap, in the form of a vent, completes the authentic styling of this luminaire.

Ballast Housing
Cast of aluminum, this housing contains the ballast and other electrical components and is attached to the fitter assembly by three set screws.

Fitter Assembly
The cast aluminum fitter assembly is designed to mount on a 3 inch O.D. tenon and is secured by six allen head set screws. The two steel rods that support the upper ring are threaded into the fitter assembly and enclosed in rope patterned painted brass tubing.

Finish
All exposed metal parts are finished with polyester powder paint applied after a seven stage pretreatment process to insure maximum durability.

Ballast
(Refer to Ballast Data Sheet for specific operating characteristics) 35 - 100 watt 120 volt High Pressure Sodium (HPS) ballasts are High Power Factor High Reactance. All other HPS ballasts are High Power Factor Autotransformer (CWA) type. 175 watt Metal Halide (MH) ballasts are Peak Lead Autotransformer type. 70 and 100 watt MH units are available only with (120V, 208V, 240V, 277V) multitap High Power Factor High Reactance type ballast.

All Mercury Vapor (MV) ballasts are High Power Factor Constant Wattage Autotransformer (CWA) type.

Ordering Information

How to Construct a Catalog Number

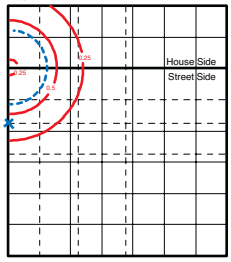
Example:

DH	050HP	12	B	M	F1
1	2	3	4	5	6
LUMINAIRE	WATTAGE	VOLTAGE	COLOR	OPTICS	OPTIONS/ACCESSORIES
DH	35DHP 050HP 50DHP 070HP 70DHP 70DMH 100HP 10DHP 10DMH 100MV 15AHP 15DHP 15DMH 175MH 17DMH 175MV 20DIN	12 20 24 27 34 48 MT	B N Z A	A M R	PS F1 F2 DTPR12X DTLPR20/24/27X

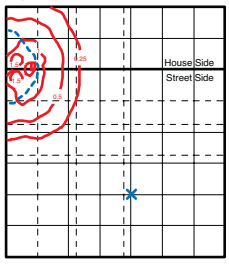
Distributions

Mounting heights are 20'

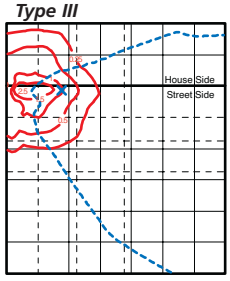
Type V



Type IV



Type III

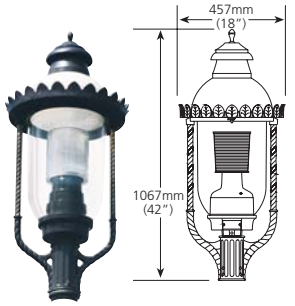


Catalog Number Information

c UL US LISTED

STEP 1: LUMINAIRE

DH Dorchester



STEP 2: SOURCE AND WATTAGE

Mogul Base	
050HP	50W HPS
070HP	70W HPS
100HP	100W HPS
15AHP	150W/55V HPS
175MH	175W MH
100MV	100W MV
175MV	175W MV
Medium Base	
35DHP [1]	35W HPS
50DHP	50W HPS
70DHP	70W HPS
10DHP	100W HPS
15DHP	150W/55V HPS
70DMH [2]	70W MH
10DMH [1]	100W MH
15DMH [1]	150W MH
17DMH	175W MH
20DIN	200W Inc

1 120V only
2 Not available with 480V

STEP 3: VOLTAGE

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

STEP 4: COLOR

B	Black
N	Green
Z	Bronze
A	As specified

STEP 5: OPTICS

A	Asymmetric distribution
M	Symmetric distribution
R	Square distribution

STEP 6: OPTIONS AND ACCESSORIES

PS	Protected Starter for HPS units
F1 [2]	Single fusing for 120, 240 and 277V units. Not available with "20DIN" (ships separate)
F2 [2]	Double fusing for 208, 240 and 480V Units (ships separate)
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 and 277V "S" and "L" housing style only or GV1A73 post capital.

1 Not UL listed or available with 480V
2 For color insert "B", "G", "N", or "A" for "X"

HSCapes™
HOLOPHANE outdoor lighting

DECORATIVE
Product Catalog

Tear Drop Series

Styled to replicate the tear drop 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.

Available in eight distinctive combinations of ballast housings and optical systems, the Tear Drop Series' superb detailing can match a wide variety of poles and mast arms. The series is available on decorative cast iron, steel, aluminum, concrete, and fiberglass poles.

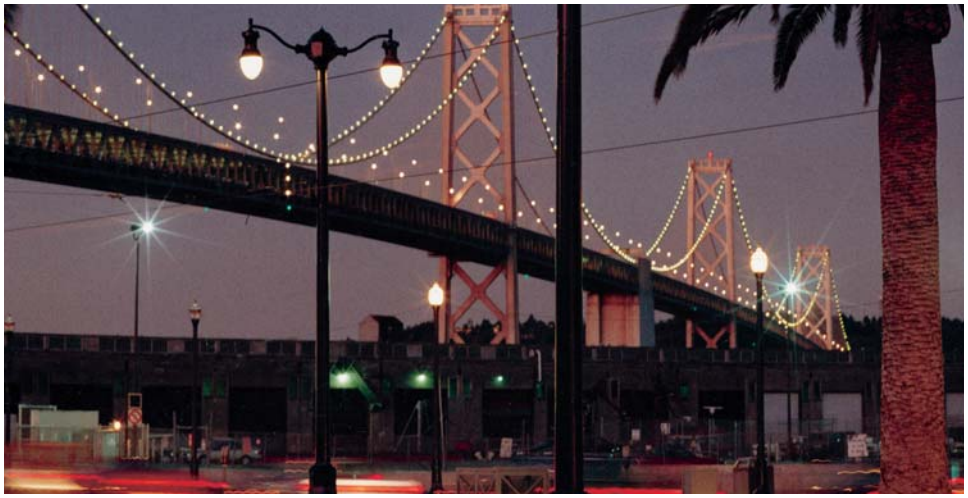
Esplanade *Boardwalk*

Crystalite *Starshell*

Memphis *Port Huron*

Atlanta *Grand Ledge*

Applications



Typical Applications

- City Streets
- Urban Boulevards
- Historic Districts
- Commercial Developments
- Walkways
- Parking Lots

Features

- Urban scale, boulevard lighting
- Classic styling
- Permanent, durable borosilicate prismatic glass optics
- IESNA cutoff optics
- Tool-less electrical component access
- Tool-less lamp access
- IP66 rating
- Reliability

Lamp Types

- 70 - 400 watt metal halide
- 175 - 400 watt pulse start metal halide
- 175 - 400 watt high pressure sodium
- 175 - 400 watt mercury vapor

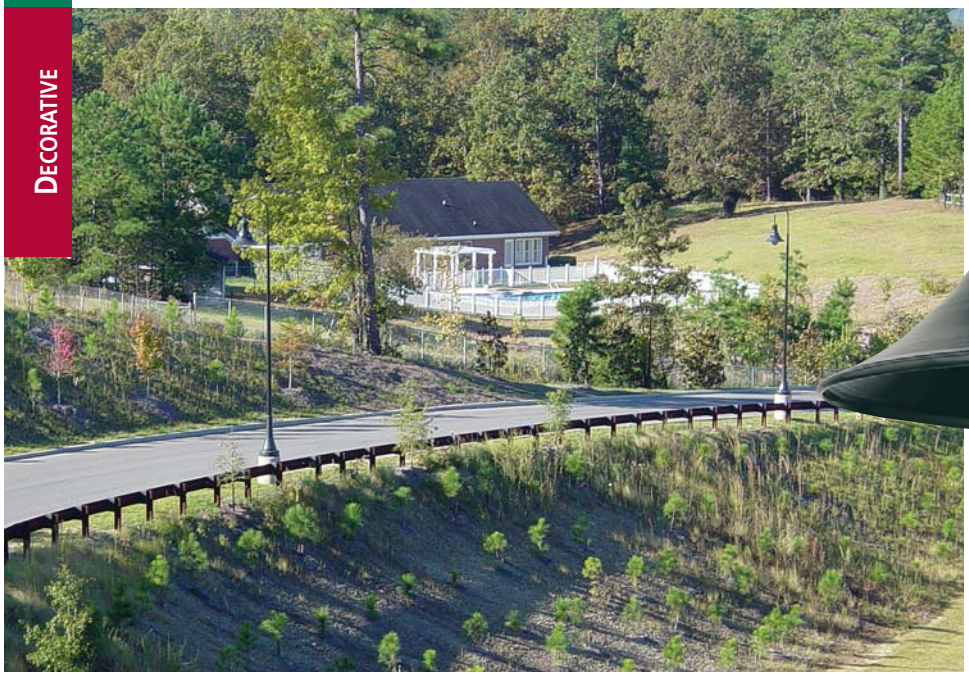
Approvals

- UL/CUL

These classic designs will enhance the appearance of architecture and landscaping in both traditional and modern surroundings. Attractive without being overstated, the Tear Drop Series provides timeless beauty to any application. Ideally mounted at 15 to 39 feet, the precise optical systems of these luminaires will provide efficient lighting and uniform illumination while, at the same time, emitting the low-brightness, soft glow of street lights of an earlier era.

In many applications, the advanced optical system which utilizes the most current technology available today, will out-perform traditional cobra head and shoe box units. The uplight option softly accentuates building facades and foliage to provide an open visual environment and eliminate the unwanted cavern effect created by many cutoff luminaires.

Product Enhancements Available



Decorative Skirts

Communities today have complex lighting considerations. In certain cases, IESNA full cutoff and cutoff are required to reduce uplight, trespass, and glare; yet, classic style and appeal are still desired. In order to provide additional optical performance choice and still maintain traditional appearance, Holophane has expanded its Tear Drop offering to include two decorative skirt options.

Clear sag, shallow skirt | *Prismatic bowl, shallow skirt* | *Tear drop, shallow skirt* | *Clear sag, deep skirt* | *Prismatic bowl, deep skirt* | *Tear drop, deep skirt*

Decorative Arm Fitters

Luminaires from the Tear Drop Series are available with decorative arm fitters, which offer both form and function. Aside from the attractive appearance, the arm fitters properly secure the luminaire to the arm and include a self-leveling device. In addition, a NEMA twist-off photocontrol can be mounted on the arm fitter in place of the decorative finial.

Boston Harbour

West Liberty

GlasWerks

Product Features

The Tear Drop Series' simplistic elegance goes beyond outside appearance. At the heart of the Tear Drop luminaire's classic beauty is a highly engineered mechanical system which outperforms even the most utilitarian fixture.

Tool-less entry to the optical system makes lamp changes easy. A unique beveled latch insures the optical door is securely held even if the wing nut is not fully tightened.

A unitized electrical module allows removal of the entire assembly by simply loosening two screws and rotating the module.

Installation is easily accomplished by first installing the light-weight mounting assembly and wiring into the terminal block. Then, the electrical housing and optical door can be hung on the hinge assembly quickly.

1 Decorative arm fitter: Designed to provide appropriate transition from luminaire to arm while ensuring mechanical integrity and leveling of luminaire

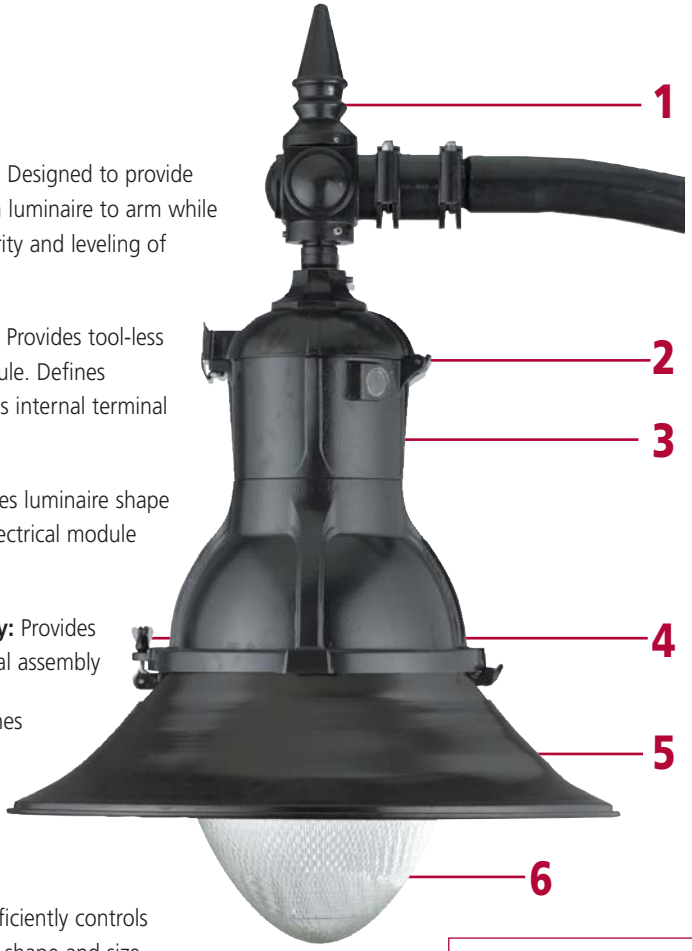
2 Decorative top cover: Provides tool-less entry to the electrical module. Defines luminaire shape and houses internal terminal block

3 Ballast housing: Defines luminaire shape and houses the unitized electrical module and internal photocontrol

4 Optical door assembly: Provides tool-less entry to the optical assembly

5 Decorative skirt: Defines luminaire shape and provides IESNA full cutoff optics with select glass refractors

6 Prismatic refractor: Efficiently controls light and defines luminaire shape and size



Specifications

General Description

The Tear Drop luminaires are styled to replicate the "tear drop" luminaires that lighted boulevards in the first half of this century. Designed for light control and ease of installation and maintenance, the Tear Drop Series has a precision optical system for true street lighting performance.

Wiring Chamber

The wiring chamber has a 1-1/2 inch, gasketed, NPT threaded entry for pendant mounting. A stainless steel set screw locks the unit in position. A three station terminal block will accept #14 through #2 wires and is prewired to one half of the plug assembly that connects to the removable electrical module.

Electrical/Reflector Assembly

The electrical / reflector assembly hinges down from the wiring chamber for ease in wiring and to facilitate the removal of the electrical module. The assembly is secured in place by a stainless steel latch. The unitized electrical module consists of the ballast mounted to an aluminum plate that is easily removed by loosening two screws in keyhole slots. The disconnect plug connects the ballast to the terminal block in the wiring chamber. The socket is street lighting grade with nickel plated lamp grip shell, center contact backed by a coiled spring and glazed porcelain body. The anodized and brightened reflector is formed with flutes to control voltage rise in the lamp and to work in conjunction with the refractor to provide the desired distribution of light.

Refractor/Door Assembly

The cast aluminum door cradles a tear drop or sag shaped, thermal resistant borosilicate glass refractor that controls the light to provide an IES symmetric or asymmetric cutoff distribution. The combination of reflector, refractor and vertical burning lamp maximize efficiency and uniformity of illumination while controlling luminaire brightness. The refractor assembly and decorative skirt (when applicable) assembly hinges from the electrical / reflector assembly and is latched by a stainless steel, captive, wing nut assembly.

Ballast

(Refer to Ballast Data Sheet for specific operating characteristics) 150 watt and below 120 volt High Pressure Sodium (HPS) ballasts are High Power Factor High Reactance. All other 150 watt and below are High Power Factor Autotransformer (CWA) type. 250 and 400 watt HPS ballasts are Lead type.

All Metal Halide (MH) ballasts are Peak Lead Autotransformer type.

Finish/Material

The luminaire is finished with polyester powder paint applied after a seven stage pretreatment process to insure maximum durability. All castings utilize alloy #356 aluminum for maximum corrosion resistance and all exposed hardware is stainless steel.

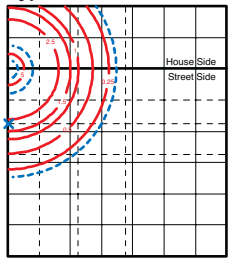
CUL/UL LISTING

CUL/UL listing suitable for wet locations at 40°C.

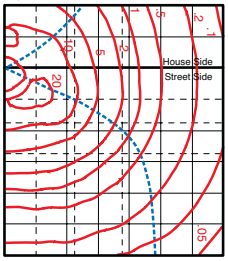
Distributions

Mounting heights are 20'

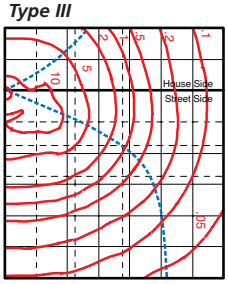
Type V



Type IV



Type III



Ordering Information

How to Construct a Catalog Number

Example:

ESU	070HP	12	B	6	SS
1	2	3	4	5	6
LUMINAIRE	WATTAGE	VOLTAGE	COLOR	OPTICS	OPTIONS/ACCESSORIES
ALU	070HP	12	B	2	PS
BWU	100HP	20	N	3	R
CRU	15AHP	24	Z	4	SS
ESU	175MH	27	A	5	DS
GLU	175PM	34		6	TDSD090
MPU	250HP	48		7	TDSD0120
PHU	250MH	MA			TDSD0180
SSU	250PM	MB			
	320PM	MC			
	350PM	MD			
	400HP				
	400MH				
	400PM				

Catalog Number Information

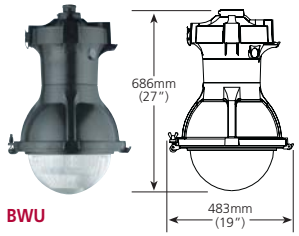
c UL US LISTED

STEP 1: LUMINAIRE

IES Cutoff Optics

ESU [1]	Esplanade
BWU [2]	Boardwalk
MPU [1]	Memphis
PHU [2]	Port Huron

1 Available with tear drop or sag glass only
2 Available with bowl glass only

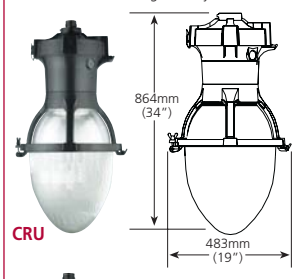


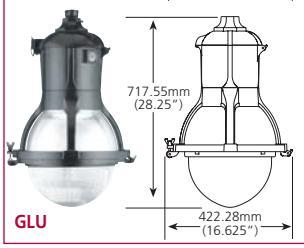
STEP 1: LUMINAIRE *(CONTINUED)*

Uplight Optics

CRU [1]	Crystallite
SSU [2]	Boardwalk
ALU [1]	Atlanta
GLU [2]	Port Huron

1 Available with tear drop or sag glass only
2 Available with bowl glass only





STEP 2: SOURCE AND WATTAGE

Mogul Base

High Pressure Sodium

070HP	70W HPS
100HP	100W HPS
15AHP	150W/55V HPS
250HP	250W HPS
400HP [1]	400W HPS

Metal Halide

175MH	175W MH
250MH	250W MH
400MH [1]	400W MH

Pulse Start Metal Halide

175PM	175W MH
250PM	250W MH
320PM [1]	320W MH
350PM [1]	350W MH
400PM [1]	400W MH

1 Available with "ESU", "MPU", "BWU" and "PHU" only

STEP 3: VOLTAGE

12	120V
20	208V
24	240V
27	277V
34	347V
48	480V

Multi-tap, factory installed

MA	120V only
MB	208V only
MC	240V only
MD	277V only

STEP 4: COLOR

B	Black
N	Green
Z	Bronze
A	As specified

STEP 5: OPTICS

ESU, MPU, CRU, ALU

4	Door with Tear drop Glass Asymmetric
6	Door with Clear Sag Glass Symmetric
7 [1]	Door with Clear Sag Glass Asymmetric


4


6, 7

STEP 5: OPTICS *(CONTINUED)*

BWU, PHU, SSU, GLU

2	Door with Bowl Glass Narrow Asymmetric
3	Door with Bowl Glass Medium Asymmetric
5	Door with Bowl Glass Symmetric

1 Available with "ESU" and "MPU" only


2, 3, 5

STEP 6: OPTIONS / ACCESSORIES

PS	Protected Starter
R	NEMA Twist-off Photocontrol
SS	Decorative Shallow Skirt
DS	Decorative Deep Skirt
TDSD090 [1]	90° House Side Shield
TDSD0120 [1]	120° House Side Shield
TDSD0180 [1]	180° House Side Shield

Leveling Fitters

See page 69 more ordering data

BHLF	Boston Harbour
WLLF	West Liberty
GWLF	GlasWerks

1 Available with Tear Drop glass only


SS


DS


BHLF


WLLF


GWLF

Tear Drop | Pedestrian

Typical Applications

- City Streets
- Urban Boulevards
- Historic Districts
- Commercial Developments
- Walkways
- Parking Lots

Features

- Cutoff optics
- Classic styling
- Superior performance
- Ease of maintenance
- Reliability

Lamp Types

- 70 - 175 watt metal halide
- 70 - 150 watt high pressure sodium
- 100 - 175 watt mercury vapor

Approvals

- UL/CUL

Tear Drop Series | Pedestrian

The Pedestrian Tear Drop Series is a luminaire product offering designed to replicate the "tear drops" which illuminated urban boulevards during the early Twentieth Century. Specifically these luminaires, which have been designed 3/4 scale to Holophane's original Tear Drop Series, were developed to accept lower wattage lamps for smaller poles and shorter mounting heights. In addition to being a stand-alone fixture on a smaller pole, the Pedestrian Series makes an excellent complement to its larger counterpart on tall poles.

Furthermore, the Pedestrian Series has a wide variety of applications which may include: urban roadways, intimate streetscapes, parking lots, college campuses, retail shopping districts and stores, commercial developments, parks and recreational facilities, and residential areas.

Esplanade

Crystalite

Memphis

Atlanta

Product Features

Product Enhancements

Decorative Arm Fitters

Boston Harbour *West Liberty* *GlasWerks™*

Decorative Skirts

Clear sag, shallow skirt *Clear sag, deep skirt*

Tear drop, shallow skirt *Tear drop, deep skirt*

1 Decorative arm fitter: Designed to provide appropriate transition from luminaire to arm while ensuring mechanical integrity and leveling of luminaire

2 Decorative top cover: Defines luminaire shape and houses internal terminal block.

3 Ballast housing: Defines luminaire shape and houses the unitized electrical module

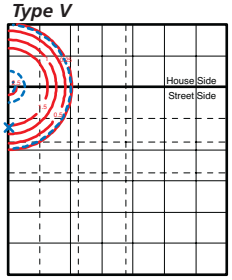
4 Optical door assembly: Provides tool-less entry to the optical assembly

5 Prismatic refractor: Efficiently controls light and defines luminaire shape and size

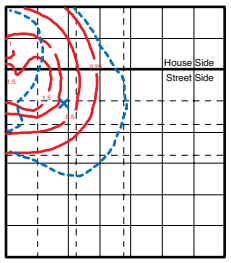
Distributions

Mounting heights are 20'

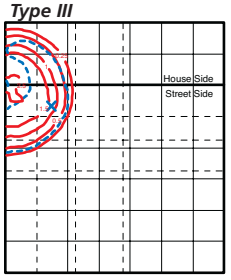
Type V



Type IV



Type III



Specifications

General Description
The Pedestrian Tear Drop luminaires are styled to replicate the "tear drop" luminaires that lighted boulevards in the first half of this century. Designed for light control and ease of installation and maintenance, the Pedestrian Tear Drop Series has a precision optical system for true street lighting performance.

Wiring Chamber
The wiring chamber has a 1-1/2 inch NPT threaded entry for pendant mounting. A stainless steel set screw locks the unit in position. A three station terminal block will accept #14 through #2 wires and is rewired to one half of the plug assembly that connects to the removable electrical module.

Electrical/Reflector Assembly
The electrical / reflector assembly hinges down from the wiring chamber for ease in wiring and to facilitate the removal of the electrical module. The assembly is latched in place by a captive stainless steel hex head screw. The unitized electrical module consists of the ballast and socket mounted to a cast aluminum plate that is easily removed by loosening three screws in keyhole slots. The disconnect plug connects the ballast to the terminal block in the wiring chamber. The socket is street lighting grade with nickel plated lamp grip shell, center contact backed by a coiled spring and glazed porcelain body. The glass reflector allows an uplight component to illuminate clear acrylic panels in the housing, creating a soft upward glow that define the luminaire's classic shape.

Refractor Door Assembly
The cast aluminum door cradles a tear drop shaped, thermal resistant borosilicate glass refractor that controls the light to provide an IES type IV or V cutoff distribution. The combination of reflector, refractor and vertical burning lamp maximize efficiency and uniformity of illumination while controlling luminaire brightness. The refractor assembly hinges from the electrical / reflector assembly and is latched by a stainless steel, captive, wing nut assembly.

Ballast
(Refer to Ballast Data Sheet for specific operating characteristics) 35 - 100 watt 120 volt High Pressure Sodium (HPS) ballasts are High Power Factor Reactor type. All other HPS ballasts are High Power Factor Autotransformer type.

175 watt Metal Halide (MH) ballasts are Peak Lead Autotransformer type. 70 and 100 watt MH units are available only with (120V, 208V, 240V, 277V) High Power Factor High Reactance type ballast.

All Mercury Vapor (MV) ballasts are High Power Factor Constant Wattage Autotransformer (CWA) type.

Finish/Material
The luminaire is finished with polyester powder paint applied after a seven stage pretreatment process to insure maximum durability. All castings utilize alloy #356 copper free aluminum for maximum corrosion resistance and all exposed hardware is stainless steel.

Ordering Information

How to Construct a Catalog Number

Example:

ESU	050HP	12	B	6	SS
1	2	3	4	5	6
LUMINAIRE	WATTAGE	VOLTAGE	COLOR	OPTICS	OPTIONS/ACCESSORIES
ALP	35DHP	12	B	4	PS
CRP	050HP	20	N	5	PR
ESP	50DHP	24	Z	6	SS
MSP	070HP	27	A	7	DS
	70DHP	34			TDSD090
	70DMH	48			TDSD0120
	100HP	MA			TDSD0180
	10DHP	MB			
	10DMH	MC			
	100MV	MD			
	15AHP				
	15DHP				
	15DMH				
	175MH				
	175MV				
	17DMH				
	20DIN				

Catalog Number Information

STEP 1: LUMINAIRE

IES Cutoff Optics

ESP	Esplanade Pedestrian
MSP	Memphis Pedestrian

Uplight

CRP	Crystalite Pedestrian
ALP	Atlanta Pedestrian

ESP

MSP

CRP

STEP 1: LUMINAIRE (CONTINUED)

ALP

STEP 2: SOURCE AND WATTAGE

Mogul Base	
050HP	50W HPS
070HP	70W HPS
100HP	100W HPS
15AHP	150W/55V HPS
100MV	100W MV
175MH	175W MH
175MV	175W MV
Medium Base	
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	200W Inc

1 120 volt only
2 Not available with 347 or 480 volt

STEP 3: VOLTAGE

12	120V
20	208V
24	240V
27	277V
34	347V
48	480V
Multi-tap, factory installed	
MA	120V only
MB	208V only
MC	240V only
MD	277V only

c UL us LISTED

STEP 4: COLOR

B	Black
N	Green
Z	Bronze
A	As specified

STEP 5: OPTICS

4	Type IV
6	Type II – Narrow Lunar Optics
7 [1]	Type III – Wide Lunar Optics
5	Type V

1 Not available with "CRP" or "ALP"

Tear drop


Sag

STEP 6: OPTIONS / ACCESSORIES

PS	Protected Starter for HPS
R	NEMA twist-off photocontrol
SS	Decorative shallow skirt
DS	Decorative deep skirt
House Side Shield	
TDSD090 [1]	90°
TDSD0120 [1]	120°
TDSD0180 [1]	180°

1 Available with "ESU" and "MPU" only

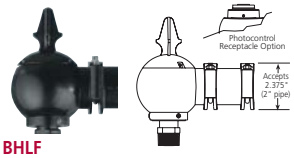

SS


DS

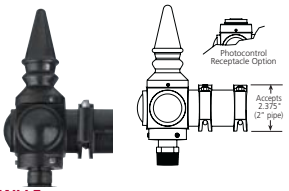
Leveling Fitters

STEP 1: SERIES

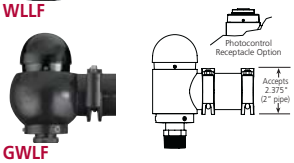
BHLF	Boston Harbour
WLLF	West Liberty
GWLF	GlasWerks™



BHLF



WLLF



GWLF

STEP 2: MAST ARM SIZE

200	2" (2.375: O.D.)

STEP 3: MOUNTING

Cast Aluminum Material	
SCA	Swivel version
RCA	Rigid version

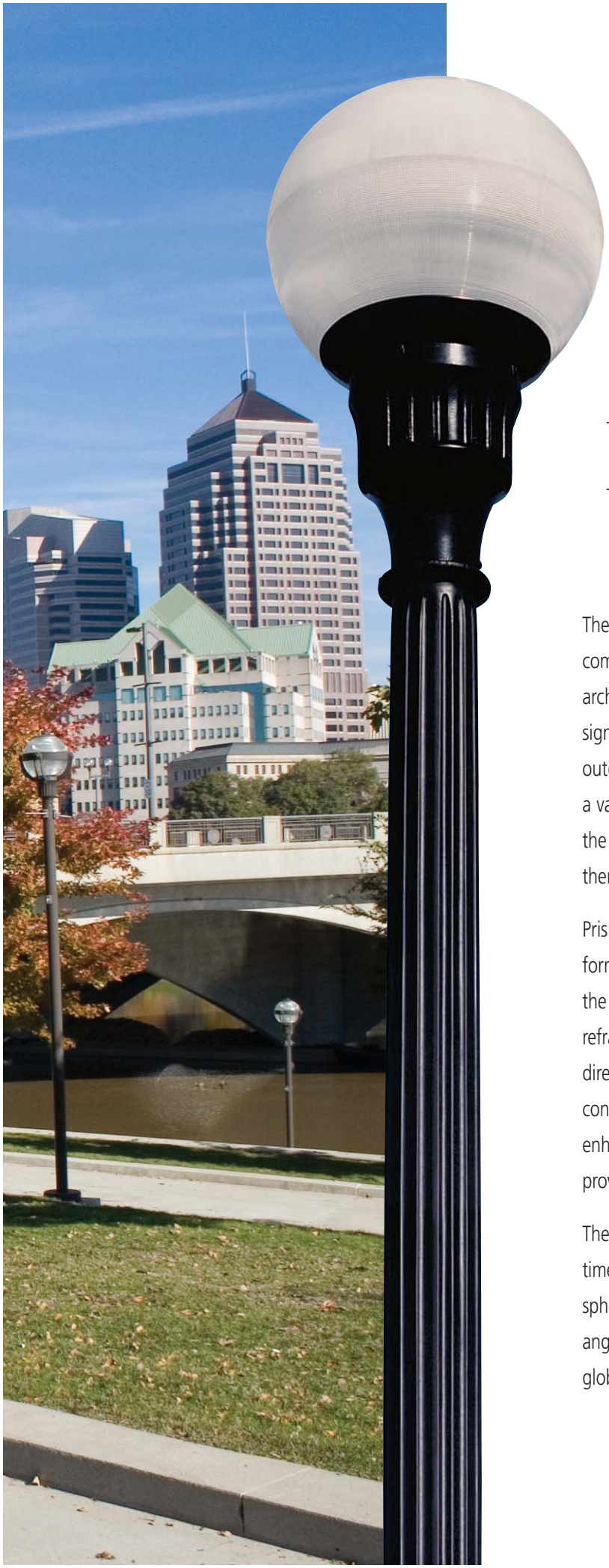
STEP 4: COLOR

B	Black
N	Green
Z	Bronze
A	As specified

STEP 5: OPTIONS

R [1]	Photocontrol receptacle

1 Replaces standard top cover for NEMA twist-off photocontrols



HSCapes™
HOLOPHANE outdoor lighting

DECORATIVE
Product Catalog

Prismasphere®

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. By incorporating a variety of sphere types and decorative trim, the Prismasphere can adapt to any architectural theme.

Prismasphere luminaires completely integrate form and function. The entire surface area of the specially designed optical assembly acts as a refractor. Specifically, precisely molded prisms direct the light where it is needed, in a controlled symmetrical distribution, giving enhanced spacing between luminaires while providing superior uniformity.

The prismatic outer sphere version is over two times more efficient than traditional "opal" spheres while minimizing the disabling high angle brightness associated with non-optical globes.

Prismatic optic
(Decorative band)

Buffalo Place optic

Buffalo Place clear optic

Clear optic

Applications

Typical Applications

- Historic Districts
- City Streets
- Parks
- Campuses
- Residential Areas
- Walkways

Features

- Pedestrian- scale
- Classic and Modern styling
- Acrylic or polycarbonate material options
- Prismatic light control
- Six decorative housing choices
- Reliability

Lamp Types

- 35-150 watt high pressure sodium
- 70-175 watt metal halide
- 200 incandescent

Approvals

- UL/CUL

Sophisticated "Blondel" flutes spread the lamp image over the entire surface of the refractor creating a uniform appearance with no "hot spots" at normal viewing angles. During the day, the prismatic structure ensures the visual integrity of the classic shape is maintained.

The Prismasphere Series is also available with clear, opal, and internally sand-blasted acrylic optical assemblies. Prismatic polycarbonate spheres are also available. The internal borosilicate glass refractors provided with the clear sphere offer a variety of photometric distributions to maximize utilization in any application.

The Prismasphere Series is available with six distinct ballast housings, ensuring the appropriate transition between pole and luminaire is achieved with any installation. In retrofit applications, a choice of two transitional castings allow Prismasphere luminaires to adapt to virtually any existing pole. For new projects, Holophane offers historically styled decorative cast iron, aluminum, fiberglass, and concrete poles. Contemporary round, straight or tapered aluminum and steel poles are also available.

Product Features

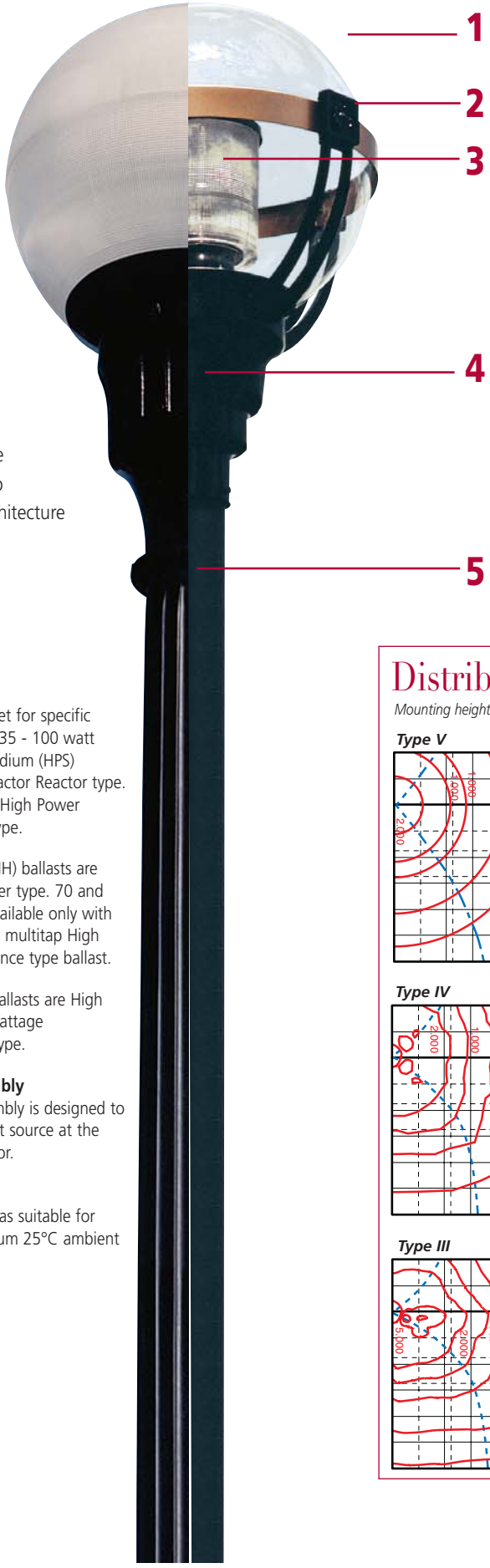
1 Sphere: Defines luminaire shape and is available in clear, opal, and a fully prismatic option

2 Ribs and bands: An optional design element

3 Prismatic refractor: Internal refractor efficiently controls light

4 Housing: Holds and protects electrical components and defines luminaire shape and size

5 Pole options: A variety of pole materials and styles are available to complement luminaire and site architecture



Specifications

General Description
The luminaire consists of two main components, a ballast housing with reflector and socket, and a prismatic outer sphere.

Optics
The optical component consists of an 18 inch injection molded acrylic or polycarbonate prismatic sphere mechanically attached and sealed to a mounting ring cast of #356 copper free aluminum. Light from a vertical lamp is distributed by precisely molded refracting prisms to control brightness and to maximize utilization, uniformity and luminaire spacing. A soft upward glow is allowed to gently illuminate foliage and building facades creating a fully luminous environment.

Ballast Housing
The ballast housing contains the ballast and other electrical components. The housing is cast of 356 copper free aluminum alloy. The slipfitter will accept a 3" high, 2-7/8" to 3-1/8" O.D. tenon and is secured by four hex head stainless steel 1/4-20 x 1/2" set screws. Four uniquely designed stainless steel spring clips enclosed in a clear polyvinyl chloride sleeve and adjusted by hex head stainless steel 1/4-20 bolts securely cradle the optical assembly. The housing is finished with polyester powder paint applied after a seven stage pretreatment process to insure maximum durability.

Ballast
(Refer to Ballast Data Sheet for specific operating characteristics) 35 - 100 watt 120 volt High Pressure Sodium (HPS) ballasts are High Power Factor Reactor type. All other HPS ballasts are High Power Factor Autotransformer type.

175 watt Metal Halide (MH) ballasts are Peak Lead Autotransformer type. 70 and 100 watt MH units are available only with (120V, 208V, 240V, 277V) multitap High Power Factor High Reactance type ballast.

All Mercury Vapor (MV) ballasts are High Power Factor Constant Wattage Autotransformer (CWA) type.

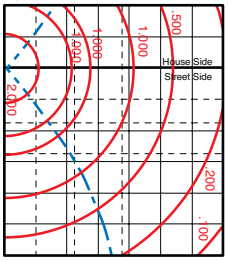
Reflector/Socket Assembly
The reflector/socket assembly is designed to position the specified light source at the light center of the refractor.

UL Listing
The luminaire is UL listed as suitable for wet locations at a maximum 25°C ambient temperature.

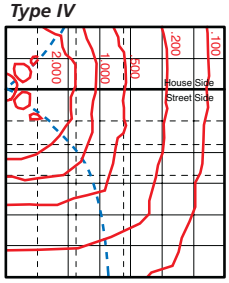
Distributions

Mounting heights are 20'

Type V



Type IV



Type III

Ordering Information

How to Construct a Catalog Number

Example:

PR	050HP	12	S	B	N	C	1	A	F1
1	2	3	4	5	6	7	8	9	10
Luminaire	Wattage	Voltage	Housing	Color	Refractor	Sphere	Sphere Size	Optics	Options/Accessories
PR	35DHP 050HP 50DHP 070HP 70DHP 70DMH 100HP 10DHP 10DMH 100MV 15AHP 15DHP 15DMH 175MH 17DMH 175MV 20DIN	12 20 24 27 34 48 MT	A C F L S W	A B N Z	L M N R	B C L P	1	A P	PS F1 F2 GV1A73X DTLPR12X DTLPR20/24/27X BP18RBX

Catalog Number Information

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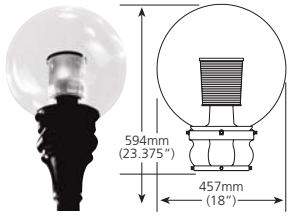
STEP 1: Luminaire

PR Prismasphere

Prismatic Glass



Clear Glass

STEP 2: Source and Wattage

Mogul Base

050HP	50W HPS
070HP	70W HPS
100HP	100W HPS
15AHP	150W/55V HPS
175MH	175W MH
100MV	100W MV
175MV	175W MV

STEP 2: Source ... (Continued)

Medium Base

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	200W Inc

1 120 volt only
2 "MT" only

STEP 3: Voltage

12	120V
20	208V
24	240V
27	277V
37	347V
48	480V
MT	Multi-tap

STEP 4: Housing

A [2]	Arcadian
C [2]	Convex
F [2]	Fluted

1 Casting for 3" Tenon
2 Casting for 7" Crown

A C F

STEP 4: Housing ... (Continued)

L [1]	Leaf
S [1]	Simple
W	"W" Style

1 Casting for 3" Tenon
2 Casting for 7" Crown

L S W

STEP 5: Color

B	Black
N	Green
Z	Bronze
A	As specified

STEP 6: Refractor

L [1]	Asymmetric
M [2]	Symmetric
N	No refractor
R [1]	Square

1 Not available with 20DIN
2 Not available with 20DIN or 175MH

STEP 7: Sphere

B [2]	18" bronze outer sphere
C [2]	18" clear outer sphere
L [1]	18" opal outer
P [1]	Prismatic outer sphere

1 Not available with internal refractor
2 Available with asymmetric "L", symmetric "M" or square "R" refractors

STEP 8: Sphere Size

1	18" diameter

STEP 9: Sphere Material

A	Acrylic
P	Polycarbonate

STEP 10: Options and Accessories

PS	Protected Starter for HPS units
F1 [2]	Single fusing for 120, 240 and 277V units. Not available with "20DIN" (ships separate)
F2 [2]	Double fusing for 208, 240 and 480V Units (ships separate)
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 and 277V "S" and "L" housing style only or GV1A73 post capital.
BP18RBX [2]	Buffalo Place ribs and bands

1 Not UL listed and is not available for "480V" or "20DIN"
2 For color insert "B", "Z", "N" or "A" for "X"

BP18RBX

RSL-350

There are certain requirements which must be met in order to effectively provide quality lighting in an urban environment. The lighting system must illuminate streets and sidewalks for vehicular traffic and pedestrian use, provide soft illumination of lawns and shrubbery to instill a feeling of safety, prevent light from intruding privacy, and blend with and complement the surrounding architecture. Furthermore, the lighting system must control initial and operating costs.

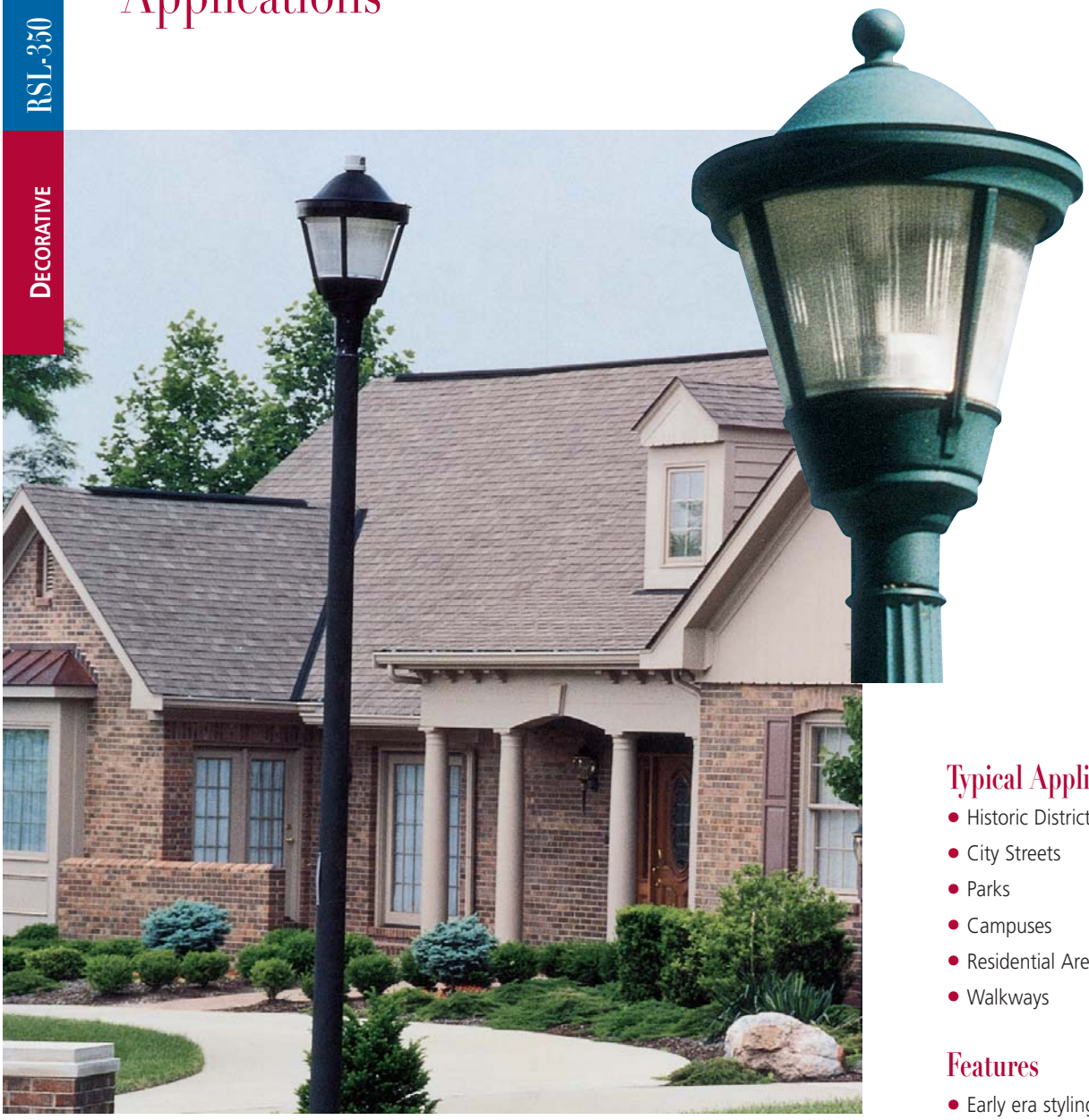
The RSL-350 Series was designed to meet all these requirements. Its optical system provides high efficiency and uniform surface appearance for low brightness.

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.

RSL-350

RSL-350
(Decorative filigree and cupola)

Applications



Typical Applications

- Historic Districts
- City Streets
- Parks
- Campuses
- Residential Areas
- Walkways

Features

- Early era styling
- Pedestrian scaled
- Prismatic light control
- Glass, acrylic, or polycarbonate refractor
- IESNA cutoff option

Lamp Types

- 35-150 watt high pressure sodium
- 70-175 watt metal halide
- 100-250 watt mercury vapor

Approvals

- UL/CUL

The RSL-350 Series achieves its superior lighting performance by utilizing a series of sophisticated prismatic refractors with precisely cut prisms, molded in borosilicate glass, polycarbonate, or acrylic. The vertical orientation of the HID lamp produces maximum light output with minimum output depreciation.

The RSL-350 luminaire is available in three distributions, which allows lighting designers to use units with identical appearance in many different applications. The optical system will provide wide area coverage with excellent lighting uniformity and a minimum "puddle" of light beneath the luminaire, resulting in longer spacings between poles. Therefore, fewer luminaires, poles, and foundations are required, thus initial and operating costs are lower.

Product Features

1 Finial: Is designed to define luminaire shape

2 Decorative top cover: Is designed to define luminaire shape and houses the internal anodized aluminum reflector

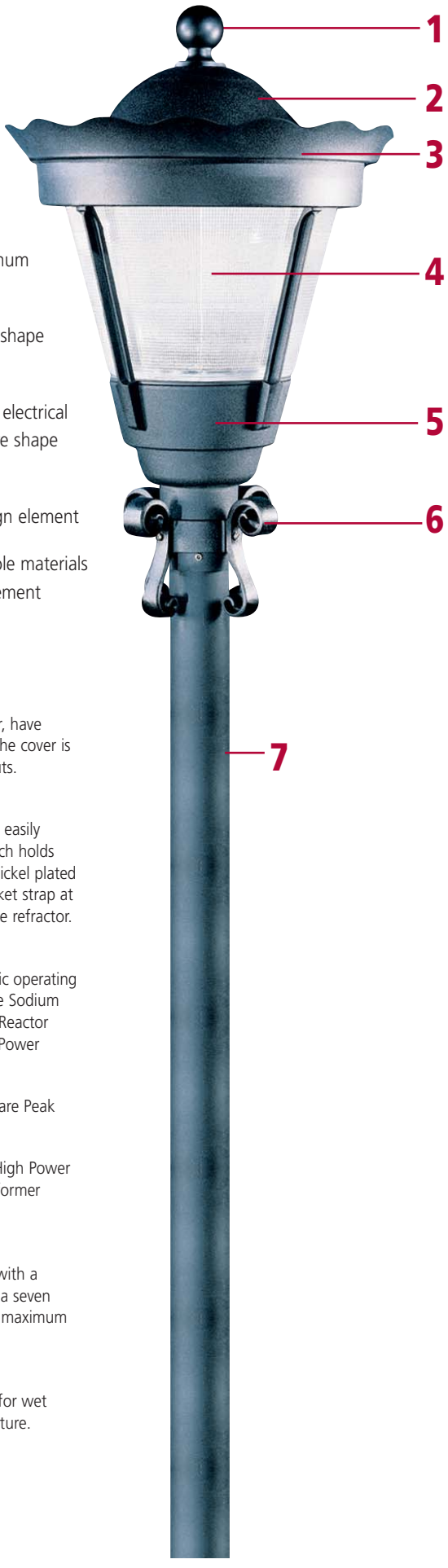
3 Filigree ring: The cast aluminum ring provides authentic styling

4 Prismatic refractor: Defines shape and efficiently controls light

5 Housing: Holds and protects electrical components and defines luminaire shape and size

6 Decorative cast scroll: Design element

7 Pole options: A variety of pole materials and styles are available to complement luminaire and site architecture



Specifications

General Description
This attractive post top luminaire is designed to complement contemporary or traditional residential architecture, and utilizes a precision optical system to maximize post spacings while maintaining uniform illumination.

Optical System
The optical system consists of a precisely molded prismatic refractor used in conjunction with a highly diffuse, optically designed metal reflector located inside the top cover.

Gaskets located above and below the refractor create a sealed optical compartment. Refractors designed to provide an IES Type III distribution are available, molded from thermal resistant borosilicate glass, acrylic or polycarbonate plastic. Refractors for IES Type V distribution are available in acrylic and polycarbonate only. The vertical burning HID lamp maximizes utilization, uniformity and luminaire spacing. An IES cutoff option is available.

Luminaire Housing
The luminaire housing, die cast of aluminum, houses the electrical components and supports four vertical mullions that cradle the refractor. The housing is designed to mount on a 3 inch O.D. post tenon by three stainless steel cone point set screws with nyloc patch, and contains a 1-1/2 inch by 3 inch wiring access door.

Top Cover
The spun aluminum decorative cover mounts over the luminaire's four vertical mullions. Two of the mullions at 180° to each other, have studs which run through the cover. The cover is secured to the studs with two locknuts.

Electrical Assembly
The electrical assembly consists of an easily removable galvanized steel plate which holds both the ballast components and a nickel plated lamp grip socket positioned by a socket strap at the correct light center position of the refractor.

Ballast
(Refer to Ballast Data Sheet for specific operating characteristics) 120 volt High Pressure Sodium (HPS) ballasts are High Power Factor Reactor type. All other HPS ballasts are High Power Factor Autotransformer type.

175 watt Metal Halide (MH) ballasts are Peak Lead Autotransformer type.

All Mercury Vapor (MV) ballasts are High Power Factor Constant Wattage Autotransformer (CWA) type.

Finish
All exposed metal parts are finished with a polyester powder paint applied after a seven stage pretreatment process to insure maximum durability.

UL LIsting
The luminaire is UL listed as suitable for wet locations at a 25°C ambient temperature.

Ordering Information

How to Construct a Catalog Number

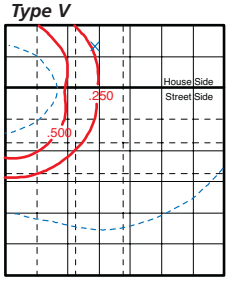
Example:

RP	35DHP	12	B	A3	R
1	2	3	4	5	6
LUMINAIRE	WATTAGE	VOLTAGE	COLOR	OPTICS	OPTIONS/ACCESSORIES
RP	35DHP 050HP 50DHP 070HP 70DHP 70DMH 100HP 10DHP 10DMH 100MV 15AHP 15DHP 175MH 17DMH 175MV 250MV	08 12 20 24 27 34 40 48 MT	B N Z A	A3 A5 G3 P3 P5	LAMP PS-55 RPCPX RPFGX RPDTLRX RPDTLR12X RPPR34X RPSCX 09251

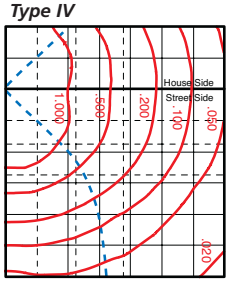
Distributions

Mounting heights are 20'

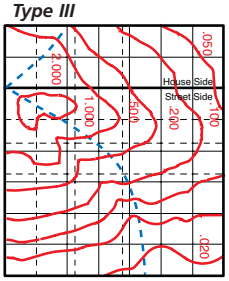
Type V



Type IV



Type III



Catalog Number Information

c UL us LISTED

STEP 1: LUMINAIRE

RP RSL-350

STEP 2: SOURCE AND WATTAGE

Mogul Base

050HP [3]	50W HPS
070HP	70W HPS
100HP	100W HPS
15AHP	150W/55V HPS
175MH	175W MH
100MV	100W MV
175MV	175W MV
250MV [5]	250W MV

Medium Base

35DHP [1, 2]	35W HPS
50DHP [3]	50W HPS
70DHP	70W HPS
10DHP	100W HPS
15DHP	150W/55V HPS
70DMH [2, 4]	70W MH
10DMH [2, 4]	100W MH
17DMH	175W MH

1 120 volt only
2 Not CUL listed
3 Not available with 347V
4 Available with "MT" only
5 Available with "G3" optics only. Not available with "MT"

STEP 3: VOLTAGE

08 [1]	208V
12	120V
20	208V
24	240V
27	277V
40 [1]	240V
48	480V
MT [2]	Multi-tap

1 Isolated secondary CUL
2 120, 208, 240 or 277 volt

STEP 4: COLOR

B	Black
N	Green
Z	Bronze
A	As specified

STEP 5: OPTICS

Asymmetric

G3	Glass refractor
P3	Polycarbonate refractor
A3	Acrylic refractor

Symmetric

P5	Polycarbonate refractor
A5	Acrylic refractor

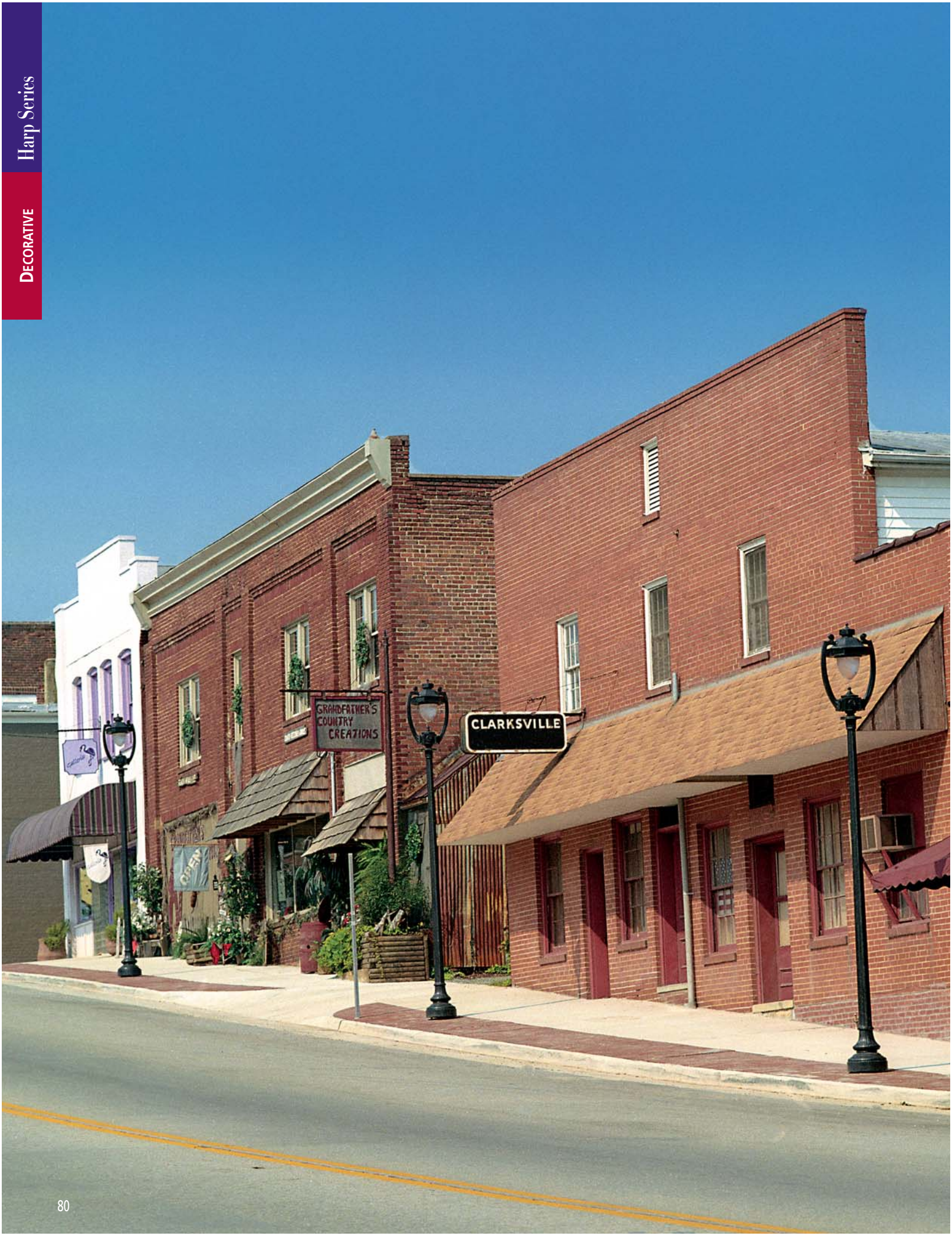
STEP 6: OPTIONS AND ACCESSORIES

LAMP	Appropriate lamp supplied
PS-55	Replacement protected Started 150WHPS and below
RPCPX [1]	Decorative cupola
RPFGX [1]	Decorative filigree
RPDTLPRX [1]	Photocontrol kit for 208, 240 and 277V
RPDTLR12X [1]	Photocontrol kit for 120V
RPPR34X [1]	Photocontrol kit for 347V
RPSCX [1]	Decorative cast scroll
09251	Photocontrol receptacle Wire repair kit

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

RPCPX

RPFPX


GRANDFATHER'S
COUNTRY
CREATIONS
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DECORATIVE
Product Catalog

Harp Series


Milwaukee


Liberty

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 not just limited in performance to one type of application.

Made for a wide range of applications, the Harp can add character to urban roadways, small town streets, parks, recreational facilities, college campuses, residential districts, and parking lots.

Applications

Typical Applications

- Historic Districts
- Parks
- Residential Areas
- Village Squares

Features

- Unique appearance
- Superior performance
- Ease of maintenance
- Daytime beauty
- Reliability

Lamp Types

- 70 - 175 watt metal halide
- 35 - 175 watt high pressure sodium
- 100 - 250 watt mercury vapor
- 200 incandescent

Approvals

- UL/CUL

Originally designed at the beginning of the 20th Century, today's Harp has a state-of-the-art optical system with precisely molded prisms, which provide uniform light distribution and high ambient light levels. Furthermore, the street refractor is made of permanent Holophane borosilicate glass, which will retain its efficiency over the life of the luminaire; and more importantly, will not become yellow, brown or cloudy over time. The optical refractor is available in a "tear drop" or "bowl" shape, and has both asymmetric and symmetric distributions.

The intricate housing is made of a corrosion resistant, aluminum alloy with a seven stage phosphate pretreatment and a polyester powder coat paint finish, made to withstand the harshest outdoor elements.

The electrical components are made of the finest materials available and are backed by Holophane's industry leading six-year parts warranty.

Product Features

1 Decorative top cover: The top cover and finial are designed to replicate the style of the original Harp product

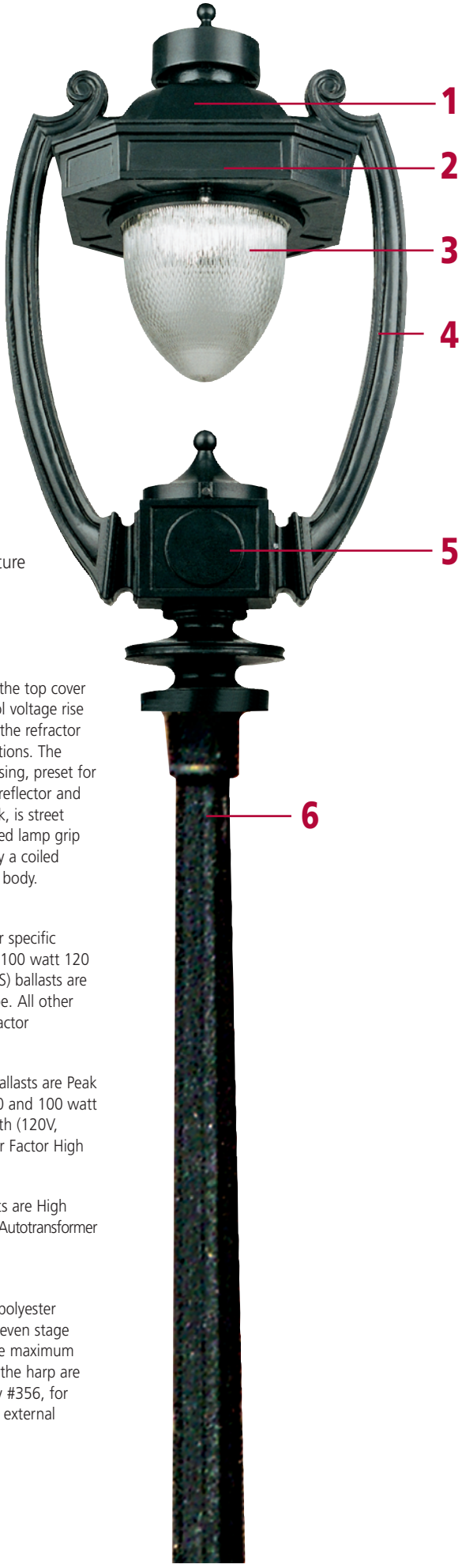
2 Lamp housing: Encloses reflector assembly and defines luminaire shape

3 Prismatic reflector: Efficiently controls light

4 Arm assembly: Defines unique Harp shape and supports lamp assembly

5 Ballast assembly: Holds and protects unitized electrical assembly

6 Pole options: A variety of pole materials and styles are available to complement luminaire and site architecture



Specifications

General Description
The Harp Luminaires are styled to replicate the "Harp" Series Luminaires that illuminated boulevards at the turn of the century. Designed for light control and have ease of installation and maintenance, the Harp Luminaires have a precision optical system for true street lighting performance.

Refractor/Door Assembly
The cast aluminum door cradles a tear drop shaped thermal resistant borosilicate prismatic glass refractor, that controls the light to provide IES type IV and type V cutoff distributions. The combination of reflector, refractor and vertical burning lamp maximize efficiency and uniformity of illumination while controlling luminaire brightness. The refractor assembly hinges from the Harp assembly and is latched by a stainless steel, captive hex head bolt.

Unitized Electrical Assembly
Located below the refractor under a removable decorative cap, the unitized electrical assembly consists of the ballast mounted to a cast aluminum plate that is easily removed by loosening three screws in keyhole slots. The disconnect plug connects the ballast to the terminal block in the wiring chamber.

Harp/Fitter Assembly
The Harp assembly consists of a top cover casting, chimney casting, two arm castings, and a fitter / ballast housing casting, all welded together. The fitter is designed to mount on a 2" nominal threaded pipe tenon. The anodized and brightened internal aluminum reflector located in the top cover is formed with flutes to control voltage rise in the lamp and to work with the refractor to provide the desired distributions. The socket, located in the top housing, preset for the proper light center of the reflector and pre-wired to the terminal block, is street lighting grade with nickel plated lamp grip shell, center contact backed by a coiled spring, and a glazed porcelain body.

Ballast
(Refer to Ballast Data Sheet for specific operating characteristics) 35 - 100 watt 120 volt High Pressure Sodium (HPS) ballasts are High Power Factor Reactor type. All other HPS ballasts are High Power Factor Autotransformer type.

175 watt Metal Halide (MH) ballasts are Peak Lead Autotransformer type. 70 and 100 watt MH units are available only with (120V, 208V, 240V, 277V) High Power Factor High Reactance type ballast.

All Mercury Vapor (MV) ballasts are High Power Factor Constant Wattage Autotransformer (CWA) type.

Finish/Material
The luminaire is finished with polyester powder paint applied after a seven stage pretreatment process, to insure maximum durability. All castings making the harp are sand cast from aluminum alloy #356, for better corrosion resistance. All external hardware is stainless steel.

Ordering Information

How to Construct a Catalog Number

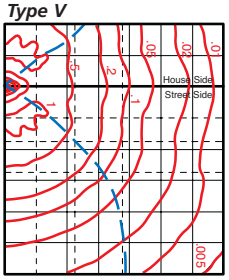
Example:

MH	050HP	12	2	B	6	B	R
1	2	3	4	5	6	7	8
LUMINAIRE	WATTAGE	VOLTAGE	MOUNTING	COLOR	COLOR	OPTIC POSITION	OPTIONS/ACCESSORIES
MH LH	35DHP 050HP 50DHP 070HP 70DHP 70DMH 100HP 10DHP 10DMH 100MV 15AHP 15DHP 175MH 17DMH 175MV 250MV 20DIN	12 20 24 27 34 48 MT	2 3	B N Z A	2 3 4 5 6	A B	G P R S W

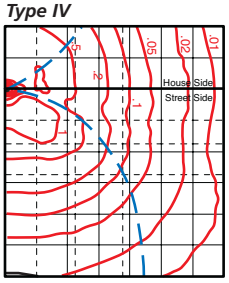
Distributions

Mounting heights are 20′

Type V



Type IV



Catalog Number Information

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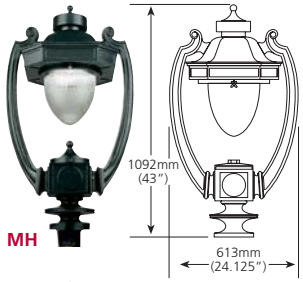
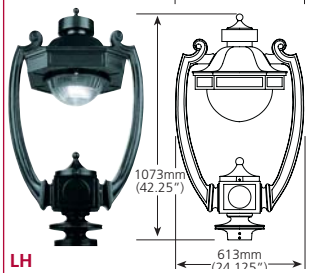
STEP 1: LUMINAIRE

MH Milwaukee Harp
LH Liberty Harp





STEP 2: SOURCE AND WATTAGE

Mogul Base

050HP	50W HPS
070HP	70W HPS
100HP	100W HPS
15DHP	150W/55V HPS
175MH	175W MH
100MV	100W MV
175MV	175W MV
250MV	250W MV

STEP 2: SOURCE AND WATTAGE

Medium Base

35DHP	35W HPS
50DHP	50W HPS
70DHP	70W HPS
10DHP	100W HPS
15AHP	150W/55V HPS
70DMH [1]	70W MH
10DMH [1]	100W MH
17DMH	175W MH
20DIN	200W Incandescent

1 "MT" only

STEP 3: VOLTAGE

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

STEP 4: MOUNTING

2	2" Nominal threaded pipe tenon
3	Slipfitter for 3" diameter 4" tall tenon

STEP 5: COLOR

B	Black
N	Green
Z	Bronze
A	As specified

STEP 6: OPTICS

MH

4	Type IV, Tear Drop Glass
5	Type V[1], Tear Drop Glass

LH

2	Type II, Bowl Glass
3	Type III, Bowl Glass
6[1]	Type V, Bowl Glass

1 Available in "A" orientation only

Tear drop


Sag

STEP 7: OPTICAL POSITION

A	Street Side of Optics Perpendicular to Harp
B	Street Side of Optics Parallel to Harp

STEP 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)

Milwaukee Lanterns

Typical Applications

- Historic Districts
- City Streets
- Parks
- Residential Areas
- Campuses
- Walkways

Features

- Early era styling
- Superior performance
- Ease of maintenance
- Reliability

Lamp Types

- 70 - 250 watt metal halide
- 50 - 250 watt high pressure sodium

Approvals

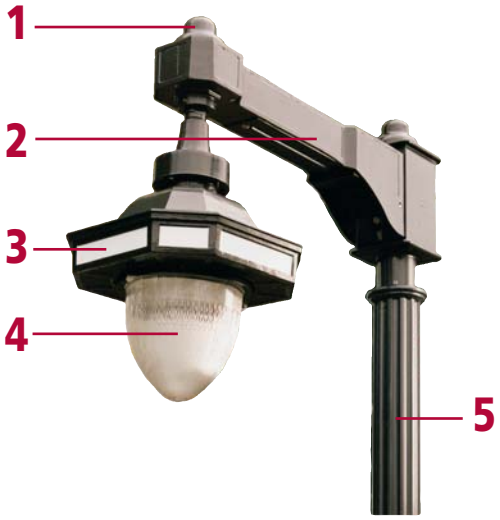
- UL/CUL

Ordering Information

How to Construct a Catalog Number

Example:

ML	050HP	12	B	3	G
1	2	3	4	5	6
LUMINAIRE	WATTAGE	VOLTAGE	COLOR	OPTICS	OPTIONS/ACCESSORIES
ML	050HP 50DHP 070HP 70DHP 70DMH 100HP 10DHP 10DMH 15AHP 15DHP 175MH 17DMH 250MH	12 20 24 27 34 48 MT	B N Z A	2 3 4 5 6	G P R W 09243-1-X 09243-2-X 09243-2L-X



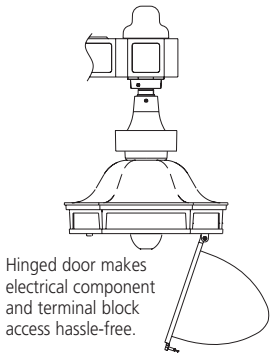
1 Tenon assembly: Secures luminaire arm assembly to pole

2 Arm assembly: Houses reflector assembly and defines luminaire shape

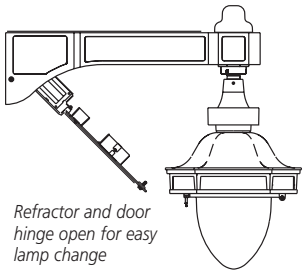
3 Lamp housing: Encloses reflector assembly and defines luminaire shape

4 Prismatic reflector: Efficiently controls light

5 Pole options: A variety of pole materials and styles are available to complement luminaire and site architecture



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

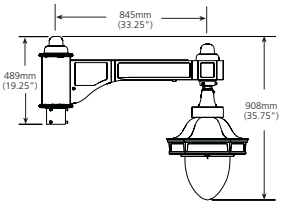


Refractor and door hinge open for easy lamp change

Catalog Number Information

STEP 1: LUMINAIRE

ML Milwaukee Lantern



STEP 2: SOURCE AND WATTAGE

Mogul Base

050HP	50W HPS
070HP	70W HPS
100HP	100W HPS
15AHP	150W/55V HPS
250HP	250W HPS
175MH	175W MH
250MH	250W MV

STEP 2: SOURCE AND WATTAGE

Medium Base

50DHP [1]	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

1 Not available with 347V

2 Not available with 347V or 480V

STEP 3: VOLTAGE

12	120V
20	208V
24	240V
27	277V
34	347V
48	480V
MT [1]	Multi-tap

1 Special

STEP 4: COLOR

B	Black
N	Green
Z	Bronze
A	As specified

STEP 5: OPTICS

MH

4	Type IV, Tear Drop Glass
5	Type V[1], Tear Drop Glass

LH

2	Type II, Bowl Glass
3	Type III, Bowl Glass
6[1]	Type V, Bowl Glass

1 Available in "A" orientation only

Tear drop

Sag

STEP 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)

Tenon Adapters

09243-1-X[1]	3" dia. X 4" Tall Tenon (Single unit)
09243-2-X[1]	Tenon Adapter for 3" dia. X 4" Tall Tenon (Two units @ 180°)
09243-2L-X[1]	Tenon Adapter for 3" dia. X 4" Tall Tenon (Two units @ 90°)

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

SANDY CI

HScapes™
HOLOPHANE outdoor lighting

DECORATIVE
Product Catalog

Utility Series

Thirteen distinctive styles - One standardized operating system. For over a century, 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 their different component requirements.

The Holophane Utility Series solves this dilemma by offering a variety of historical luminaire styles, on the same unitized base housing, which also includes a unique electrical module allowing for simplified maintenance.


Prismatic Acorns


Prismatic Acrylic Acorns

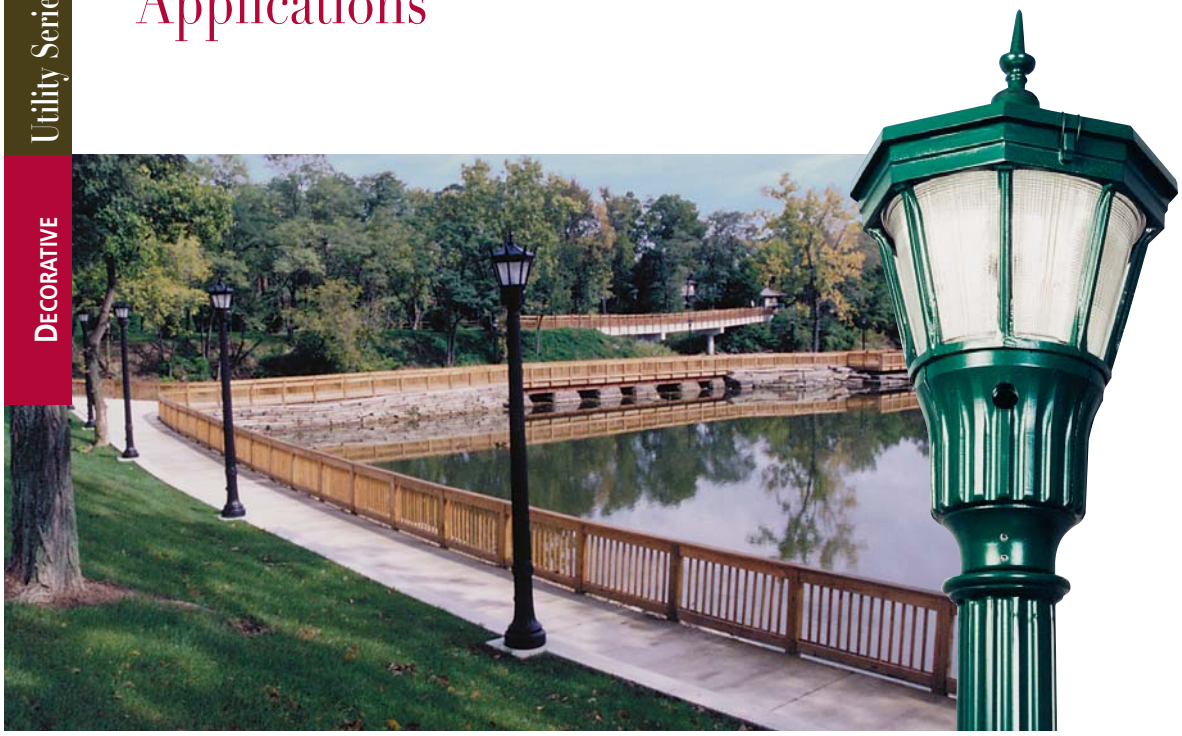

Gas Light


Spheres


Octagonal


Colonial

Applications



Typical Applications

- City Streets
- Parks
- Residential Areas
- Campuses
- Walkways
- Parking Lots

Features

- Variety of style choices
- Superior construction
- Common ballast module
- Unitized ballast tray
- Internal terminal block
- Tool-less features
- NEMA twist-off photocontrol

Lamp Types

- 70 - 175 watt metal halide
- 50 - 150 watt high pressure sodium
- 100 - 250 watt mercury vapor

Approvals

- UL/CUL

The Utility Series offers the ultimate flexibility for you lighting project. Municipalities and Utilities can take advantage of the modular electrical ballast assembly's flexibility for multiple post top styled products. It is very common for a Municipality or Utility to standardize on one popular wattage choice. The Utility Series allows for maintenance savings by allowing one common electrical module to be used across seven product families.

In addition to the maintenance and installation advantages, the Utility Series was designed to be aesthetically pleasing in any environment. The fluted ballast module is designed to transition well with the multiple optical assemblies and will complement any site architecture. Typical applications for the Utility Series include city streets, parks, residential areas, schools and universities, and general walkway areas.

Applications

Prismatic Glass Acorns

GranVille

The classic elegance of acorn street lamps adorned metropolitan avenues and plazas during the early 20th Century. The Utility GranVille Series captures the essence of this bygone era while incorporating the most advanced technology available today. A variety of decorative bands and finials allow the Utility GranVille to blend with any streetscape or site architecture. In addition, the permanent borosilicate glass refractors ensure decades of service, allow maximum spacings with uniform light distribution, minimize upward wasted light, and create a subtle sparkle. All this distinguishes the Utility GranVille luminaire from conventional plastic acorn fixtures, which tend to degrade over time, resulting in a yellow, brown, or cloudy appearance.

Choice of Acrylic or Glass Prismatic Acorns

Washington PostLite

The traditional styling and beauty of this classic "Washington" style globe adorned our capital city in the early 20th Century.

Throughout the years, this style luminaire has been prevalent throughout all of North America.

Today, the Utility Washington PostLite provides both form and function. Available in glass or acrylic, the optics have a precisely engineered prismatic pattern which allows for efficient light output, maximum pole spacing, high vertical light levels, and uniform illumination.

Applications

Octagonal Lanterns and Postop

Since the 1920's, luminaires incorporating the graceful symmetry of the eight sided lantern have enhanced urban streets and parks throughout North America. The Utility Arlington and Jefferson luminaires blend this elegant design with precision optics and state-of-the-art lamp technology to create a series which is aesthetically pleasing and provides superior performance.

The timeless styling of the Utility Postop provides a versatile solution to any street or area lighting project. In combination with a traditional style post, the Postop effortlessly adapts to a historic setting. Mount this luminaire on a contemporary pole and it will complement even the most modern architecture.

Spheres

Many designers prefer the visual appeal created by the use of an "opal" sphere. However, the opalescent material merely diffuses the light and provides no accurate light control. As a result, performance is very poor when compared to luminaires employing prismatic optics. The Utility Prismasphere luminaire offers either an internal refractor or external prisms to provide up to twice the utilization of non-optical spheres while improving the uniformity of light. As a result, installations with the Utility Prismasphere have the historical appeal of traditional globes with modern day light sources and superior performance.

Applications

Gas Light

Victorian 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. The Utility Dorchester luminaire turns back time to capture the essence of the Victorian style gaslight, while incorporating the most efficient technology and advanced maintenance system available today.

The Utility Dorchester is available in two styles. The "glass refractored" version comes with a choice of three prismatic glass refractors to efficiently control the light in both an asymmetric and a symmetric lighting distribution. The "cutoff" version comes with a reflector mounted in a solid aluminum cover designed to provide asymmetric and symmetric lighting patterns while addressing today's environmental lighting concerns. The decorative "chimney" provides a design element reminiscent of early era gas streetlamps.

Colonial Lantern

The Colonial Lantern post top style luminaire for years has been extremely popular among municipalities and residential communities. The style of this product is very synonymous with traditional American architecture and is a signature in many historic communities throughout North America.

The Minuteman™ Colonial Lantern is available in two distinct styles. The unit is offered with a fully prismatic glass refractor designed to efficiently control the light while limiting brightness. Refractors are designed in either an asymmetric pattern, that is best suited for roadway, and walkway traffic, or a symmetrical distribution that is typically used for area lighting requirements. An alternate style is a full cutoff product with the optical system mounted in the top housing. This luminaire is designed to provide both an asymmetric and symmetric lighting distribution and will meet current environmental lighting concerns.

Product Features

1 Refractors that control glare: Heat resistant borosilicate glass, acrylic, and polycarbonate refractors are utilized in this series. They are designed to minimize glare and provide precise light control for high efficiency and maximum pole spacing. The Utility Series will accept high pressure sodium, metal halide, or mercury vapor light sources.

2 Light distribution: The light distribution of HID lamps greatly favors use in the vertical position. 90% of all the lamp output is emitted to the sides (figure 1).

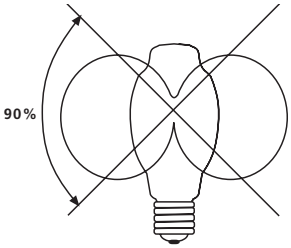


Figure 1

Consequently, all Utility Series luminaires utilize a vertical lamp orientation to optimize efficiency and distribute the sideward lamp lumens directly to horizontal and vertical surfaces away from the base of the pole (figure 2).

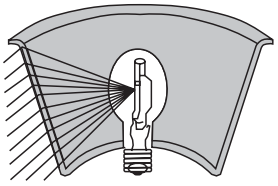
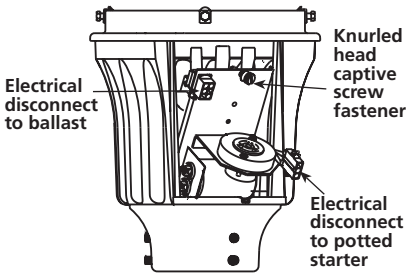


Figure 2

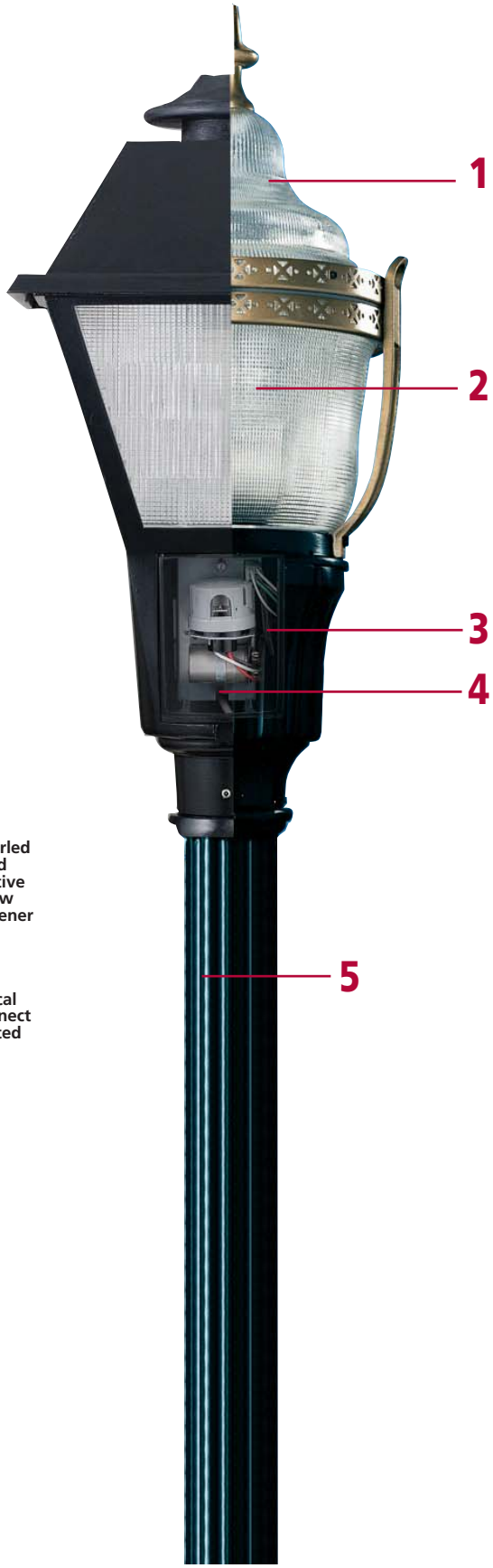
Furthermore, there is no concentrated, wasteful "puddle of light" under the luminaire. Maximization of light output is achieved by a system of sophisticated refractors with precisely cut prisms to achieve superior light control, high efficiency, and uniform distribution.

3 High quality ballast: The Utility Series luminaires are operated by high quality ballast components which deliver full wattage to the lamp and are UL listed for 40°C wet locations. This ensures accurately designed light output and optimal component life. All fixtures are constructed of die cast aluminum housings, stainless steel hardware, and premium gasketing to ensure years of continuous maintenance free service.

4 Common electrical module: At the heart of the Utility Series luminaire family is a common electrical module, designed to simplify maintenance and offer variety in appearance and performance. Luminaires incorporate a plug-in starting aid, plug-in electrical module, terminal block, twist-off photocontrol receptacle, and hinged tops for ease of relamping. The tray-mounted module allows the electrical components to be completely replaced by simply unplugging one connector and installing a new module. The original module can then be returned to the maintenance shop for bench testing and repair; thus avoiding costly field diagnosis.



5 Pole options: A variety of pole materials and styles are available to complement luminaire and site architecture



Specifications

For detailed performance specifications, visit our web site www.holophane.com

Ordering Information

Prismatic Acorns

HOLOPHANE outdoor lighting

DECORATIVE
Product Catalog

How to Construct a Catalog Number

Example:

GVU	15AHP	12	B	3	R	N	G	TB
1	2	3	4	5	6	7	8	9
Luminaire	Wattage	Voltage	Color	Optics	Trim	Finial	Trim Finish	Options/Accessories
GVU AWU	050HP 50DHP 070HP 70DHP 70DMH 100HP 10DHP 100MH 100MV 15AHP 15DHP 15DMH 175MH 175MV 17DMH 250MV	08 12 20 24 27 34 40 48 MA MB MC MD	A B N Z	3 4 5 6 7 8	D F M N R S	B C E F K N P R S	A B G N Z U	FCVRX H P T TB TR LEADS3FT10GA MCVRX PCTWSTL120 PCTWSTL12202427 PCTWSTL480 PCTWSTSHRTCAP

Catalog Number Information

c UL us LISTED

STEP 1: Luminaire

GVU Utility GranVille
AWU Utility Acrylic Washington PostLite

GVU

AWU

STEP 2: Source and Wattage

Mogul Base

050HP	50W HPS
070HP	70W HPS
100HP	100W HPS
15AHP	150W/55V HPS
175MH	175W MH
100MV	100W MV
175MV	175W MV
250MV [1]	250W

1 Isolated secondary. Not available with "100MV"

STEP 2: Source and Wattage

Medium Base

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

1 Available with "GVU" only
2 Not available with 480 volt

STEP 3: Voltage

08 [1]	208V
12	120V
20	208V
24	240V
27	277V
34	347V
40 [1]	240V
48	480V

Multi-tap, factory installed

MA	120 volt only
MB	208 volt only
MC	240 volt only
MD	480 volt only

1 Isolated secondary. Not available with "100MV"

STEP 4: Housing Color

B	Black
Z	Bronze
N	Green
A	As specified

STEP 5: Optics

Asymmetric

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

Symmetric

5 [1]	Type V
8 [1]	Type V – Lunar Optics

1 Available with "GVU" only

STEP 6: Trim

D [2]	Full cover with medallions and band
F [2]	Full cover
M [2]	Medallions and bands
N	No trim
R [1]	Ribs and bands hinged to the top
S [1]	Syracuse style with cover

1 Available with "GVU" only
2 Available with "AWU" only

STEP 7: Finial

Painted Cast Aluminum

B	Ball
E	Eagle
F	Flower
K [1]	Knurled cap
P	Pawn
R	Cross
S	Standard

Other

C	Clear acrylic, 3"
N	None

1 Available with "AWU" only

STEP 8: Trim/Finial Finish

B	Black
G	Gold
N	Green
Z	Bronze
U	No finish
A	As specified

STEP 9: Options and Accessories

Options

FCVRX [3]	Full cover
H	NEMA twist-off photocontrol
P	Protected starter for HPS units
T	Both NEMA twist-off photocontrol and the protected starter for HPS units together
TB [1, 2]	Clear acrylic refractor with black acrylic refractor and top cap.
TR [2]	Top relamping access
LEADS3FT10GA [3]	3 foot pre-wired leads
MCVRX [3]	Mayfield half cover
PCTWSTL120 [4]	DTL twist-off photocontrol 120 volt only
PCTWSTL12202427 [4]	DTL twist-off photocontrol 120-270 volt only
PCTWSTL480 [4]	DTL twist-off photocontrol 480 volt only
PCTWSTSHRTCAP [5]	Shorting cap

1 Available with 070HP, 70DHP, 100HP, 10DHP, 15AHP, 15DHP, 70DMH, 10DMH, 15DMH, 175MH, 17DMH, and 175MV only
2 Available with "AWU" only
3 Available with "GVU" only
4 Not available with shorting cap. Must be used with "H" option
5 Shorting cap not available with photocontrol. Must be used with "H" option


FCVRX


MCVRX

Prismatic Acorns

How to Construct a Catalog Number

Example:

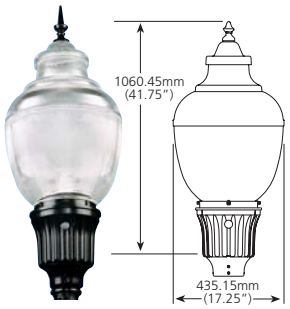
WAU	15AHP	12	B	5	B	3	P
1	2	3	4	5	6	7	8
LUMINAIRE	WATTAGE	VOLTAGE	COLOR	OPTICS	TRIM COLOR	TRIM	OPTIONS/ACCESSORIES
WAU	050HP 50DHP 070HP 70DHP 70DMH 100HP 10DHP 100MV 15AHP 15DHP 15DMH 175MH 175MV 17DMH 250MV	08 12 20 24 27 34 40 48 MA MB MC MD	A B N Z	3 4 5 6 7 8	A B G N Z	1 2 3 4 5 6 7 8 9	F H P S T LEADS3FT10GA PCTWSTL120 PCTWSTL12202427 PCTWSTL480 PCTWSTSHRTCAP LAMP IG-5 IG-6 IG-7 WHS090 WHS120 WHS180

Catalog Number Information

c UL us LISTED

STEP 1: LUMINAIRE

WAU Utility Washington PostLite



STEP 2: SOURCE AND WATTAGE

Mogul Base

050HP [1]	50W HPS
070HP	70W HPS
100HP	100W HPS
15AHP	150W/55V HPS
175MH	175W MH
100MV	100W MV
175MV	175W MV
250MV [3]	250W

Medium Base

50DHP [1]	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

1 Not available with 347V
2 Not available with 480V
3 Not available with "MT"

STEP 3: VOLTAGE

08 [1]	208V
12	120V
20	208V
24	240V
27	277V
34	347V
40 [1]	240V
48	480V

Multi-tap, factory installed

MA	120 volt only
MB	208 volt only
MC	240 volt only
MD	480 volt only

1 Isolated secondary. Not available with "100MV"

STEP 4: HOUSING COLOR

B	Black
Z	Bronze
N	Green
A	As specified

STEP 5: 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

STEP 6: TRIM COLOR

B	Black
G	Gold
N	Green
Z	Bronze
A	As specified

STEP 7: TRIM

1	Band, medallions and bud finial
2	Band, medallions and spike finial
3	Bud finial
4	Spike finial
5	Bud finial, band and ribs
6	Spike finial, band and ribs
7	Band, medallions and ornate finial
8	Ornate finial
9	Ornate finial, band and ribs

STEP 8: OPTIONS AND ACCESSORIES

F [1]	Full cover
H	NEMA twist-off photcontrol receptacle. Photocell not included.
P	Protected starter for HPS units only
S [2]	Shrewood style cover
T	Both NEMA twist-off photcontrol receptacle and protected starter for HPS units only
LEADS3FT10GA [3]	3 foot pre-wired leads

DTL Twist-off photocontrols

PCTWSTL120 [4]	120 volt only
PCTWSTL12202427 [4]	120-270 volt only
PCTWSTL480 [4]	480 volt only
PCTWSTSHRTCAP [5]	Shorting cap
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 for 70DMH, 10DMH, and 15DMH units

House Shields

WHS090	90°
WHS120	120°
WHS180	180°

1 Not available with option "S"
2 Not available with option "F"
3 Available on HPS units only. Must be used with option "H" or "P"
4 Not available with shorting cap. Must be used with "H" option
5 Shorting cap not available with photocontrol. Must be used with "H" option
6 Not available with "08" or "40" voltage
7 Not available with "6", "7", or "*' optics

Octagonal Lanterns

How to Construct a Catalog Number

Example:

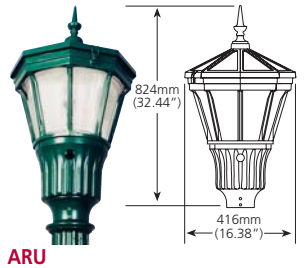
ARU	050HP	12	B	G3	P
1	2	3	4	5	6
LUMINAIRE	WATTAGE	VOLTAGE	COLOR	OPTICS	OPTIONS/ACCESSORIES
ARU JFU	050HP 50DHP 070HP 70DHP 70DMH 100HP 10DHP 100MV 15AHP 15DHP 15DMH 175MH 175MV 17DMH 250MV	08 12 20 24 27 34 40 48 MA MB MC MD	A B N Z	A3 A5 G3 P3 P5	C H P LEADS3FT10GA PCTWSTL120 PCTWSTL12202427 PCTWSTL480 PCTWSTSHRTCAP LAMP IG-5 IG-6 IG-7

Catalog Number Information

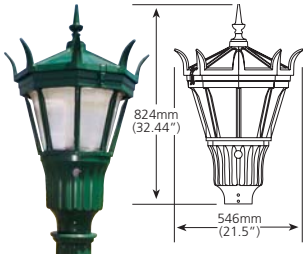
c UL us LISTED

STEP 1: LUMINAIRE

ARU Utility Arlington
JFU Utility Jefferson



ARU



JFU

STEP 2: SOURCE AND WATTAGE

Mogul Base

050HP [1]	50W HPS
070HP	70W HPS
100HP	100W HPS
15AHP	150W/55V HPS
175MH	175W MH
100MV	100W MV
175MV	175W MV
250MV [2]	250W

Medium Base

50DHP [1]	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

1 Not available with 347 volt
2 Not available with 480 volt

STEP 3: VOLTAGE

08 [1]	208V
12	120V
20	208V
24	240V
27	277V
34	347V
40 [1]	240V
48	480V

STEP 3: VOLTAGE (CONTINUED)

Multi-tap, factory installed

MA	120 volt only
MB	208 volt only
MC	240 volt only
MD	480 volt only

1 Isolated secondary. Not available with "100MV"

STEP 4: HOUSING COLOR

B	Black
Z	Bronze
N	Green
A	As specified

STEP 5: OPTICS

Asymmetric

G3 [1]	Type III, glass reflector
A3 [1]	Type IIII, acrylic reflector
P3 [1]	Type IIII, polycarbonate reflector

Symmetric

A5 [1]	Type V, acrylic reflector
P5 [1]	Polycarbonate reflector

1 Available with 250V

STEP 6: OPTIONS AND ACCESSORIES

C	IESNA cut-off
H	NEMA twist-off photcontrol receptacle. Photocell not included.
P [1]	Protected starter for HPS units only
LEADS3FT10GA	3 foot pre-wired leads
PCTWSTL120 [2]	DTL twist-off photocontrol 120V only
PCTWSTL12202427 [2]	DTL twist-off photocontrol 120-270 volt only
PCTWSTL480 [2]	DTL twist-off photocontrol 480V only
PCTWSTSHRTCAP [3]	Shorting cap
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 for 70DMH, 10DMH, and 15DMH units

1 Not available with "08" or "40" voltage codes
2 Not available with shorting cap. Must be used with "H" option
3 Shorting cap not available with photocontrol. Must be used with "H" option

Ordering Information

Postops

How to Construct a Catalog Number

Example:

PTU	050HP	12	B	G3	B	P
1	2	3	4	5	6	7
LUMINAIRE	WATTAGE	VOLTAGE	FINISH	OPTICS	FINIAL	OPTIONS/ACCESSORIES
PTU	050HP 50DHP 070HP 70DHP 70DMH 100HP 100MV 10DHP 10DMH 15AHP 15DHP 15DMH 175MH 175MV 17DMH 250MV	08 12 20 24 27 34 40 48 AV MA MB MC MD	A B N Z	A3 A5 G3 P3 P5	B S	C H IG-5 IG-6 IG-7 LAMP LEADS3FT10GA P PCTWSTL120 PCTWSTL12202427 PCTWSTL480 PCTWSTSHRTCAP

Catalog Number Information

c UL us LISTED

STEP 1: LUMINAIRE

PTU Postop

STEP 2: SOURCE AND WATTAGE

Mogul Base

050HP [1]	50W HPS
070HP	70W HPS
100HP	100W HPS
15AHP	150W/55V HPS
175MH	175W MH
100MV	100W MV
175MV	175W MV
250MV [2]	250W

Medium Base

50DHP [1]	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

1 Not available with 347 volt
2 Not available with 480 volt

STEP 3: VOLTAGE

08 [1]	208V
12	120V
20	208V
24	240V
27	277V
34	347V

STEP 3: VOLTAGE

40 [1]	240V
48	480V
AV [1]	Auto sensor for 120, 208, 240, 277V

Multi-tap, factory installed

MA	120 volt only
MB	208 volt only
MC	240 volt only
MD	480 volt only

1 Isolated secondary. Not available with "100MV"
2 Available on compact fluorescent only

STEP 4: FINISH

B	Black
N	Green
Z	Bronze
A	As specified

STEP 5: OPTICS

Asymmetric

G3 [1]	Type III, glass reflector
A3 [1]	Type IIII, acrylic reflector
P3 [1]	Type IIII, polycarbonate reflector

Symmetric

A5 [1]	Type V, acrylic reflector
P5 [1]	Polycarbonate reflector

1 Available with 250V

STEP 6: FINIAL TYPE

Painted Cast Aluminum

B	Ball finial
S	Spike finial

STEP 7: OPTIONS/ACCESSORIES

Options

C	IESNA cut-off
H	NEMA twist-off photcontrol receptacle. Photocell not included.
P [1]	Protected starter for HPS units only
LEADS3FT10GA	3 foot pre-wired leads
PCTWSTL120 [2]	DTL twist-off photocontrol 120 volt only
PCTWSTL12202427 [2]	DTL twist-off photocontrol 120-270 volt only
PCTWSTL480 [2]	DTL twist-off photocontrol 480 volt only
PCTWSTSHRTCAP [3]	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 for 70DMH, 10DMH, and 15DMH units

1 Not available with "08" or "40" voltage codes
2 Not available with shorting cap. Must be used with "H" option
3 Shorting cap not available with photocontrol. Must be used with "H" option

Gas Light

How to Construct a Catalog Number

Example:

DCU	050HP	12	B	A	P
1	2	3	4	5	6
LUMINAIRE	WATTAGE	VOLTAGE	COLOR	OPTICS	OPTIONS/ACCESSORIES
DCU	050HP 50DHP 070HP 70DHP 70DMH 100HP 10DHP 10DMH 100MV 15AHP 15DHP 15DMH 175MH 175MV 17DMH 175PM 250MV	08 12 20 24 27 34 40 48 MA MB MC MD	A B N Z	A B C M R	C H P LEADS3FT10GA PCTWSTL120 PCTWSTL12202427 PCTWSTL480 PCTWSTSHRTCAP LAMP IG-5 IG-6 IG-7

Catalog Number Information

c UL us LISTED

STEP 1: LUMINAIRE

DCU Utility Dorchester

DCU

STEP 2: SOURCE AND WATTAGE

Mogul Base

050HP [1]	50W HPS
070HP	70W HPS
100HP	100W HPS
15AHP	150W/55V HPS
175MH	175W MH
100MV	100W MV
175MV	175W MV
250MV	250W MV

Medium Base

50DHP [1]	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
175PM	175W MH

1 Not available with 347 volt
2 Not available with 480 volt

STEP 3: VOLTAGE

08 [1]	208V
12	120V
20	208V
24	240V
27	277V
34	347V
40 [1]	240V
48	480V

Multi-tap, factory installed

MA	120 volt only
MB	208 volt only
MC	240 volt only
MD	480 volt only

1 Isolated secondary. Not available with "100MV"

STEP 4: HOUSING COLOR

B	Black
Z	Bronze
N	Green
A	As specified

STEP 5: OPTICS

A	Asymmetric distribution
B	Asymmetric cutoff distribution
C	Symmetric cutoff distribution
M	Symmetric distribution
S	Square distribution

STEP 6: OPTIONS AND ACCESSORIES

Options

C	IESNA cut-off
H	NEMA twist-off photcontrol receptacle. Photocell not included.
P [1]	Protected starter for HPS units only
LEADS3FT10GA	3 foot pre-wired leads
PCTWSTL120 [2]	DTL twist-off photocontrol 120 volt only
PCTWSTL12202427 [2]	DTL twist-off photocontrol 120-270 volt only
PCTWSTL480 [2]	DTL twist-off photocontrol 480 volt only
PCTWSTSHRTCAP [3]	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 for 70DMH, 10DMH, and 15DMH units

1 Not available with "08" or "40" voltage codes
2 Not available with shorting cap. Must be used with "H" option
3 Shorting cap not available with photocontrol. Must be used with "H" option

Ordering Information

Spheres

How to Construct a Catalog Number

Example:

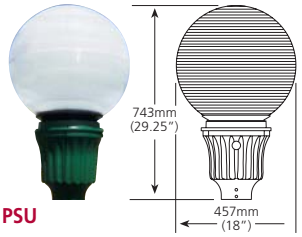
PSU	050HP	12	B	A	1	A	P
1	2	3	4	5	6	7	8
Luminaire	Wattage	Voltage	Finish	Optics	Sphere Type	Material	Options/Accessories
PSU	050HP 50DHP 070HP 70DHP 70DMH 100HP 10DHP 10DMH 100MV 15AHP 15DHP 15DMH 175MH 175MV 17DMH	08 12 20 24 27 34 40 48 MA MB MC MD	A B N Z	A M N R	1 2 3 4	A P	H P T BP18RBX

Catalog Number Information

c UL us LISTED

STEP 1: Luminaire

PSU Utility Prismasphere



PSU

STEP 2: Source and Wattage

Mogul Base

050HP	50W HPS
070HP	70W HPS
100HP	100W HPS
15AHP	150W/55V HPS
175MH	175W MH
100MV	100W MV
175MV	175W MV

Medium Base

50DHP	50W HPS
70DHP	70W HPS
10DHP	100W HPS
15DHP	150W/55V HPS
70DMH[1]	70W MH
10DMH[1]	100W MH
15DMH[1]	150W MH
17DMH	175W MH

1 Not available with 480 volt

STEP 3: Voltage

12	120V
20	208V
24	240V
27	277V
34	347V
48	480V

Multi-tap, factory installed

MA	120 volt only
MB	208 volt only
MC	240 volt only
MD	480 volt only

STEP 4: Finish

B	Black
Z	Bronze
N	Green
A	As specified

STEP 5: Inner Refractor

A	Asymmetric distribution
M	Symmetric distribution
R	Square distribution
N	No refractor used

STEP 6: Sphere Type and Size

1[1]	20" Bronze
2[1]	20" Clear
3[2]	20" Opal
4[3]	18" Prismatic

1 Available with "A", "M", or "R" refractors
2 Not available with Internal refractor

STEP 7: Sphere Material

A	Acrylic
P	Polycarbonate

STEP 8: Options and Accessories

H	NEMA twist-off photcontrol receptacle. Photocell not included.
P	Protected starter for HPS units only
T	Both NEMA twist-off photocontrol and the protected starter for HPS units together
BP18RBX	Buffalo Place ribs and bands available on 18" prismatic sphere only

BP18RBX

Colonial Lanterns

How to Construct a Catalog Number

Example:

LU	70DMH	12	S	2	B	P	IG-5
1	2	3	4	5	6	7	8
Luminaire	Wattage	Voltage	Finials	Optics	Color	Options	Accessories
LU	42CFL 050HP 50DHP 57CFL 70CFL 070HP 70DHP 70DMH 100HP 10DHP 10DMH 15AHP 15DHP 15DMH 175MH 17DMH 20DIN 250MH 055QL 085QL	08 12 20 24 27 34 40 48 AV MA MB MC MD	B P N R S	1 2 3 4	A B H L M N W Z	NEMA050HP NEMA070HP NEMA100HP NEMA150HP NEMA070MH NEMA100MH NEMA150MH NEMA175MH P PCTWSTL120 PCTWSTL12202427 PCTWSTL480 PCTWSTSHRTCAP R T	LAMP IG-5 IG-6 IG-7

Catalog Number Information

c UL us LISTED

STEP 1: Luminaire

LU Utility Lantern

STEP 2: Source and Wattage

Mogul Base

050HP [1]	50W HPS
070HP	70W HPS
100HP	100W HPS
15AHP	150W/55V HPS
175MH	175W MH
250MH [3]	250W MH

Medium Base

50DHP [1]	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

Induction Lamp

055QL [3]	55W
085QL [3]	85W

1 Not available with 347 volt
2 Not available with 480 volt
3 Not available with "3" or "4" optics

STEP 3: Voltage

08 [1]	208V
12	120V
20	208V
24	240V
27	277V
34	347V
40 [1]	240V
48	480V
AV [1]	Auto sensor for 120, 208, 240, 277V

Multi-tap, factory installed

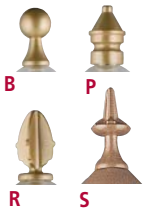
MA	120 volt only
MB	208 volt only
MC	240 volt only
MD	480 volt only

1 Isolated secondary. Not available with "100MV"
2 Available on compact fluorescent only

STEP 4: Finials

Painted Cast Aluminum

B	Ball and vent cap
N	No finial
P	Pawn and vent cap
R	Cross
S	Standard and vent cap



STEP 5: Optics

1	Asymmetric, prismatic reflector
2	Symmetric, square prismatic reflector
3	Asymmetric, sealed reflector, no glass panels
4	Symmetric, sealed reflector, no glass panels

Cutoff optics

STEP 6: Housing Color

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

STEP 7: Options

R	NEMA twit-off photocontrol
P	Protected starter for HPS units only
T	Both NEMA twist-off photocontrol and the protected starter for HPS units together

NEMA Labels

NEMA050HP	For 50 HPS
NEMA070HP	For 70 HPS
NEMA100HP	For 100 HPS
NEMA150HP	For 150 HPS
NEMA070MH	For 70 MH
NEMA100MH	For 100 MH
NEMA150MH	For 150 MH
NEMA175MH	For 175 MH

DTL twist-off photocontrol

PCTWSTL120	For 120 volt only
PCTWSTL12202427	120-270 volt only
PCTWSTL480	For 480 volt only
PCTWSTSHRTCAP	Shorting cap

STEP 8: 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 for 70DMH, 10DMH, and 15DMH units

HSCapes™
HOLOPHANE outdoor lighting

Decorative Bollards

Utilized to define a space or walkway, decorative bollards can add a touch of style, class, and elegance to any outdoor application. Designed to match a variety of cast iron and aluminum lighting posts, bollards are available lighted and unlighted. The lighted units are available for high pressure sodium, metal halide, and incandescent lamps up to 100 watts.

Non-Lighted
(Cast Aluminum)

Non-Lighted
(Cast Iron)

Lighted
(Cast Aluminum)

Lighted
(Cast Iron)

Applications

Typical Applications

- Plazas
- Walkways
- Parks
- Campuses
- Bike Paths

Features

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

Lamp Types

- 50 - 100 watt metal halide
- 35 - 100 watt high pressure sodium
- 50 - 100 watt mercury vapor

The 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 both in aluminum and cast iron construction by transitioning flawlessly from the street to the pedestrian walkway.

Ordering Information

Non-Lighted Bollards

How to Construct a Catalog Number

Example:

BOL/BL	49/11/DT	CA	DG	EB
1	2	3	4	5
Bollard	Top Type	Material	Finish	Accessories
BOL/BL	29/10/DT	CA	BK	EB
BOL/CH	30/9/DT	CI	DB	WPRB
BOL/CP	30/11/BT		DG	DBB
BOL/C	30/12/DT		PP	CLD
BOL/H	32/9/BT		CC	
BOL/M	32/10/BT			
BOL/NA	32/12/BT			
BOL/NY	33/11/BT			
BOL/P	39/13			
BOL/PC	39/14/DT			
BOL/PT	42/14/BT			
BOL/S	43/12			
BOL/SG	43/13			
BOL/W	43/18			
	43/20			
	44/12/DT			
	44/17/DT			
	44/18/DT			
	45/10			
	47/12/BT			
	47/17/BT			
	47/18/BT			
	49/11/DT			
	52/11/BT			

Catalog Number Information

STEP 1: Bollard

BOL/BL [1]	Burlington
BOL/CH	Charleston
BOL/CP	Chesapeake
BOL/C	Columbia
BOL/H [1]	Hamilton
BOL/M [1]	Mount Vernon
BOL/NA [2]	Nautical
BOL/NY	North Yorkshire
BOL/P [1]	Plymouth
BOL/PC [2]	Potomac
BOL/PT [1]	Princeton
BOL/S [1]	Salem
BOL/SG [2]	South Gate
BOL/W [1]	Wadsworth

1 Available in Cast aluminum only
2 Available in Cast iron only

STEP 2: Top Type/Dimensions

Burlington, 11" Square Base
49/11/DT 49" high.; dome top
52/11/BT 51.5" high; ball top

Charleston, 11.5" Diameter Base
44/12/DT 43.5" high.; dome top
47/12/BT 46.5" high; ball top

Chesapeake, 18.5" Diameter Base
43/18 42.5" high.; dome top

Columbia, 13" Diameter Base
43/13 43" high.; ball top

Hamilton, 10" Diameter Base
45/10 45" high.; ball top

Mount Vernon, 11.5" Diameter Base
30/12/DT 29.5" high.; dome top
32/12/BT 32" high; ball top

Nautical, 13" Square Base
39/13 39" high.; dome top

North Yorkshire, 17" Diameter Base
44/17/DT 43.5" high.; dome top
47/17/BT 46.5" high; ball top

Plymouth, 10" Square Base
29/10/DT 29" high.; dome top
32/10/BT 32" high; ball top

Potomac, 12" Square Base
43/12 43" high.; dome top

STEP 2: Top Type/Dimensions

Princeton, 18" Hexagonal Base
44/18/DT 43.5" high.; dome top
47/18/BT 46.5" high; ball top

Salem, 9" Square Base
30/9/DT 29.5" high.; dome top
32/9/BT 32" high; ball top

South Gate, 11" Octagonal Base
30/11/DT 30" high.; dome top
33/11/BT 33" high; ball top

Wadsworth, 14" Diameter Base
39/14/DT 39" high.; dome top
42/14/BT 42" high; ball top

STEP 3: Material

CA	Cast aluminum
CI	Cast iron

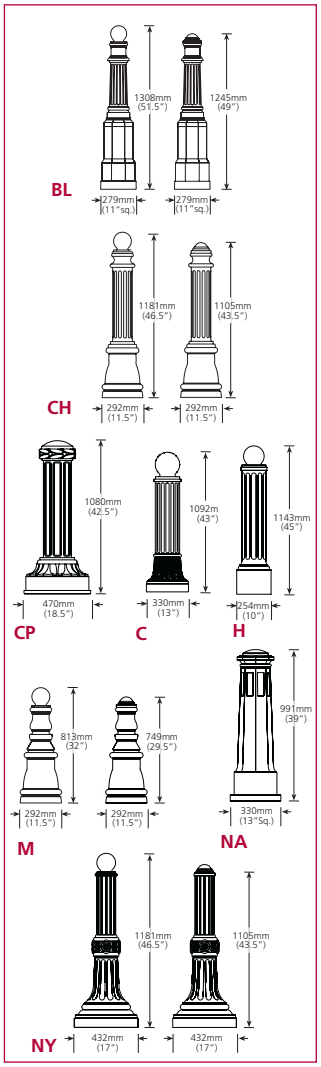
STEP 4: Finish

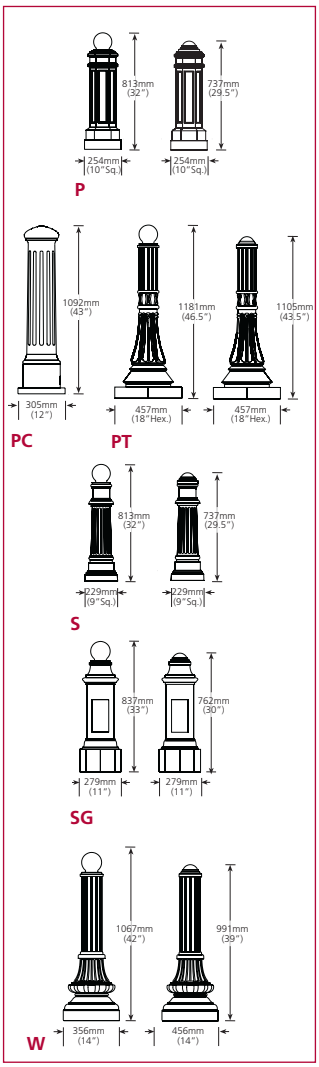
BK	Black
DB	Bronze
DG	Green
PP	Prime painted
CC	Custom color

STEP 5: Options and Accessories

Contact Outdoor Lighting Group for ordering options and accessories

EB	Eyebolt mounted on bollard for use with chain by others
WPRB	Weatherproof duplex receptacle mounted inside base
DBB	Direct burial base for mounting without a concrete footing
CLD	Custom logos cast into access door





Lighted Bollards

How to Construct a Catalog Number

Example:

BOL/C	45/13/L	CA	DG	H50	12	EB
1	2	3	4	5	6	7
BOLLARD	TOP TYPE	MATERIAL	FINISH	WATTAGE	VOLTAGE	ACCESSORIES
BOL/CH	36/10/L	CA	BK	H50	12	HSS
BOL/CP	36/10/LW	CI	DB	H75	20	PEC
BOL/C	39/13/L		DG	H100	24	PEC2
BOL/FP	39/13/LW		PP	M50	27	F1
BOL/H	39/14/DTL		CC	M70	34	F2
BOL/NA	42/14/BTL			M100	48	V
BOL/NY	42/18/DTL			S35	MT	III
BOL/P	43/20/L			S70		EB
BOL/PT	43/20/LW			S100		WPRB
BOL/W	44/12/DTL					DBB
	44/13/L					CLD
	44/13/LW					
	44/17/DTL					
	44/18FB/DTL					
	44/18FB/BTL					
	45/13/L					
	45/18/BTL					
	46/10/L					
	46/10/LW					
	47/12/BTL					
	47/18/L					
	47/18LW					
	47/17/BTL					

Catalog Number Information

STEP 1: BOLLARD

BOL/CH [1]	Charleston
BOL/CP	Chesapeake
BOL/C	Columbia
BOL/FP [2]	Freeport
BOL/H [1]	Hamilton
BOL/NA [2]	Nautical
BOL/NY	North Yorkshire
BOL/P [1]	Plymouth
BOL/PT [1]	Princeton
BOL/W [1]	Wadsworth

1 Available in Cast aluminum only
2 Available in Cast iron only

STEP 2: TOP TYPE/DIMENSIONS

Charleston, 11.5" Diameter Base
44/12/DTL 43.5" high.; dome top
47/12/BTL 46.5" high; ball top

Chesapeake, 18.5" Diameter Base
47/18/L 47" high; clear lens; dome top
47/18/LW 47" high; white lens; dome top

Columbia, 13" Diameter Base
44/13/L 44" high.; clear lens; dome top
44/13/LW 44" high.; white lens; dome top

Freeport, 13" Diameter Base
45/13/L 45" high.; clear lens

Hamilton, 10" Diameter Base
46/10/L 46" high; clear lens; dome top
46/10/LW 46" high; white lens; dome top

Nautical, 13" Square Base
39/13/L 39" high; clear lens; dome top
39/13/LW 39" high; white lens; dome top

North Yorkshire, 17" Diameter Base
44/17/DTL[1] 43.5" high; white lens; dome top
47/17/BTL[1] 43.5" high; clear lens; ball top

North Yorkshire, 20" Diameter Base
43/20/L[2] 44" high; clear lens; dome top
43/20/LW[2] 48.5" high; white lens; ball top

Plymouth, 10" Square Base
36/10/L 36" high.; clear lens; dome top
36/10/LW 36" high; white lens; ball top

Princeton, 18" Fluted Hexagonal Base
44/18FB/DTL 43.5" high; dome top
44/18FB/BTL 46.5" high; ball top

1 Cast aluminum only
2 Cast iron only

STEP 2: TOP TYPE/DIMENSIONS

Princeton, 18" Hexagonal Base
42/18/DTL 41.5" high; dome top
45/18/BTL 44.5" high; ball top

Wadsworth, 14" Diameter Base
39/14/DTL 39" high.; dome top
42/14/BTL 42" high; ball top

STEP 3: MATERIAL

CA	Cast aluminum
CI	Cast iron

STEP 4: FINISH

BK	Black
DB	Bronze
DG	Green
PP	Prime painted
CC	Custom color

STEP 5: SOURCE AND WATTAGE

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

STEP 6: VOLTAGE

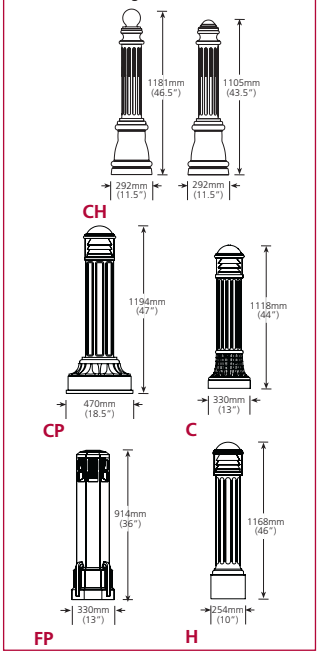
12	120 volt
20	208 volt
24	240 volt
27	277 volt
34	347 volt
48	480 volt
MT	Multi-tap

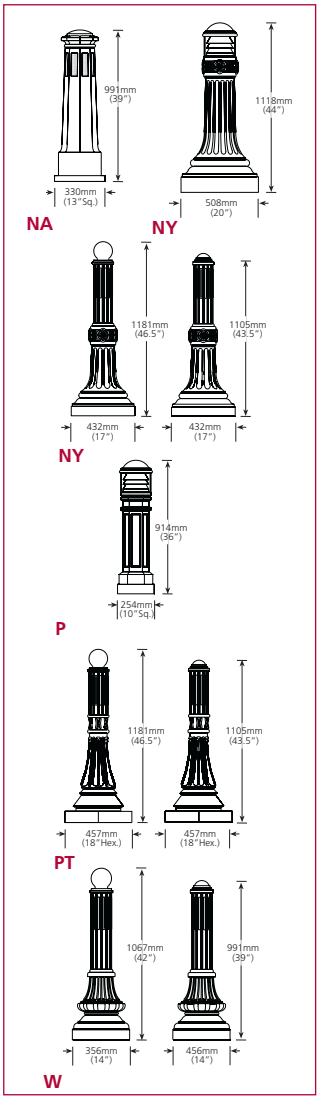
STEP 6: OPTIONS AND ACCESSORIES

HSS	House side shield
PEC	Photocontrol for 120V
PEC2	Photocontrol for 208, 240, 277V
F1	Single fusing for 120, 240, 277V
F2	Double fusing for 208, 240, 480V
V [1]	Borosilicate glass reflector with IESNA Type V distribution
III [1]	Borosilicate glass reflector with IESNA Type III distribution

Contact Outdoor Lighting Group for ordering these options and accessories

EB	Eyebolt mounted on bollard for use with chain by others
WPRB	Weatherproof duplex receptacle mounted inside base
DBB	Direct burial base for mounting without a concrete footing
CLD	Custom logos cast into access door






Comerica
PARK
Comerica
PARK
TIGERS
2000
NO
STANDING

HSCapes™
HOLOPHANE outdoor lighting

DECORATIVE
Product Catalog

Historical Style Posts

Decorative street lighting posts were first used over 100 years ago to support oil and gas lanterns. These ornate posts were commonly constructed of cast iron. However, when the dual innovations of higher intensity electric street lights and the automobile became prevalent during the first half of the 20th Century, there was a need to place street luminaires at higher mounting heights.

This necessitated taller poles, which could not economically be fabricated using only cast iron technology. Today, Holophane offers a full line of authentically styled decorative aluminum, cast iron, cast iron and steel, concrete, and fiberglass posts for virtually any project.

Cast aluminum | *Cast iron* | *Cast iron and steel* | *Composite* | *Concrete*

Cast Aluminum

Beginning as early as the 19th Century, cast posts served as the foundation for urban lighting systems. This resulted in the emergence of a great variety of styles ranging from simple fluted posts to elegant and elaborately embellished multi-fixtured light posts.

Today, Holophane decorative aluminum posts help recreate the ambiance of this bygone era by utilizing the styles of the past with modern materials.

Cast aluminum bases matched with fluted cast, smooth tapered, or extruded straight shafts allow Holophane to offer styles that meet almost any application.

Typical Applications

- Historic Districts
- City Streets
- Parks
- Residential Areas
- Campuses
- Walkways

Features

- Early era Styling
- Superior performance
- Ease of maintenance
- Reliability

Premium Material: The copper-free 356.1 aluminum alloy used in post castings ensures maximum corrosion resistance and superior material strength.

Superior Finish: To further enhance corrosion protection, posts are additionally protected with a state-of-the-art seven stage finishing system, which combines a microcystalline iron oxide primer with an electrostatically applied polyester powder coating. This combination provides unparalleled performance and exceptional durability.

Maximum Strength: Sophisticated testing procedures borrowed from the aviation industry eliminate porosity and guarantee minimum grain size resulting in maximum material strength.

Unparalleled Construction: Shafts are integrated with the base casting by double circumferential welds or are fully cast for maximum structural integrity.

The design of Holophane decorative aluminum posts allows a wide variety of shaft options with as many as four straight extruded shafts along with a variety of fluted or smooth tapered shafts For information on shaft, luminaire, and crossarm combinations, consult your local Holophane sales representative.

Advantages of Holophane Decorative Aluminum Posts

- Historical styling
- Light weight
- Advanced finishing system
- Cost effective
- Superior construction

Typical Applications

- Where ease of installation is desired
- Where corrosion resistance is required
- As a lower cost alternative to other materials

Cast Iron

Beginning in the early 19th Century, cast iron became one of the principal materials used in commercial architecture. Applications ranged from Joseph Paxton's Crystal Palace in London, England to prefabricated industrial plants around the world. Building facades, libraries, and railway terminals were also constructed of cast iron.

In addition, cast iron posts were first used to support oil lamps in street and area lighting applications. Following the introduction of gas delivery systems, cast iron posts began to be used with gas lanterns. Eventually, when electrical systems became available for street lights, cast iron was the primary material used for the construction of posts.

Typical Applications

- Historic Districts
- City Streets
- Parks
- Residential Areas
- Campuses
- Walkways

Features

- Historically authentic
- Superior strength
- Permanence

As America began to urbanize in the early 20th Century, there was an increasing need for street and area lighting in metropolitan locations. Furthermore, the high costs associated with material transportation required that cast iron products be manufactured at local foundries. This led to a great variety of styles for lighting posts, many of which were unique to a given city.

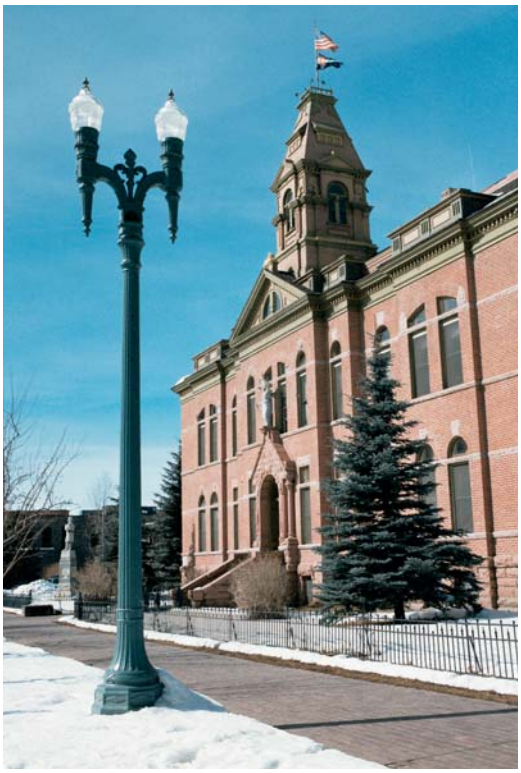
Today, Holophane has accurately replicated a variety of these historic posts in the original cast iron material. Although many new materials such as fiberglass, aluminum, steel, and concrete have been used to create modern replicas of these classic designs, nothing can beat the authenticity, durability, and long life of cast iron.

Advantages of Holophane Cast Iron Posts

- Durability
- Superior strength
- Authenticity
- An unlikely target of theft because of its high weight and low scrap value

Typical Applications

- On projects which require extreme durability
- When long life is essential
- When historical accuracy is desired



Cast Iron and Steel

Decorative street lighting posts were first used over 100 years ago to support oil and gas lanterns. These ornate posts were commonly constructed of cast iron. However, when the dual innovations of higher intensity electric street lights and the automobile became prevalent during the first half of this century, there was a need to place street luminaires at higher mounting heights.

This necessitated taller poles, which could not economically be fabricated using cast iron technology. Additionally, the extreme weight of taller cast iron poles would cause over the road transportation difficulties, making it impractical to deliver to the job.

Today, Holophane offers a post which capitalizes on the advantages of lightweight steel shafts, but eliminates today's more expensive field assembly. This is achieved by bolting a steel shaft directly to the cast iron base and shipping the post as a unitized assembly. This ensures that there will be no misaligned, unsightly exposed joints between the base and shaft. The unitized assembly also avoids the use of clamshell or slipover bases which can shift or separate after installation.

Advantages of Holophane Cast Iron and Steel Posts

- Greater mounting heights
- Historically authentic
- Durability

Typical Applications

- Requirement for durable materials
- When long life is essential
- When taller poles are required

Concrete

Concrete lighting posts have been a choice of communities throughout North America for many years because of their elegant beauty and superior durability. Pre-stressed concrete lighting posts, available from Holophane, are replicas of designs that were popular during the first half of the 20th Century; and combine the subtle grace of yesteryear with modern technology.

These advanced, centrifugally cast pre-stressed posts integrate superior durability, low maintenance, unparalleled strength, vibration resistance, and authentic styling. Yet, their understated elegance allows them to blend easily with more contemporary environments.

Typical Applications

- Historic Districts
- City Streets
- Parks
- Residential Areas
- Campuses
- Walkways

Features

- Early era styling
- Durability
- Exquisite beauty
- Ease of maintenance
- Reliability

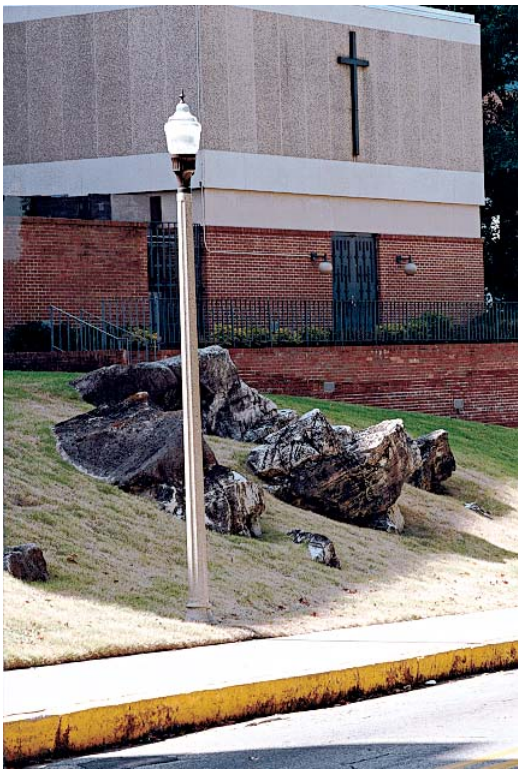
The selection of aggregate textures and colors available provide a maintenance-free alternative to painted cast iron, aluminum, or fiberglass posts. The concrete shafts are lightly blasted to expose the natural beauty of the aggregates, while maintaining the detailed patterns which make these historic posts visually appealing. The available graffiti resistant coatings shield the aggregate from vandals, while the natural durability of concrete allows these posts to withstand weathering even in the harshest environments.

Advantages of Holophane Concrete Posts

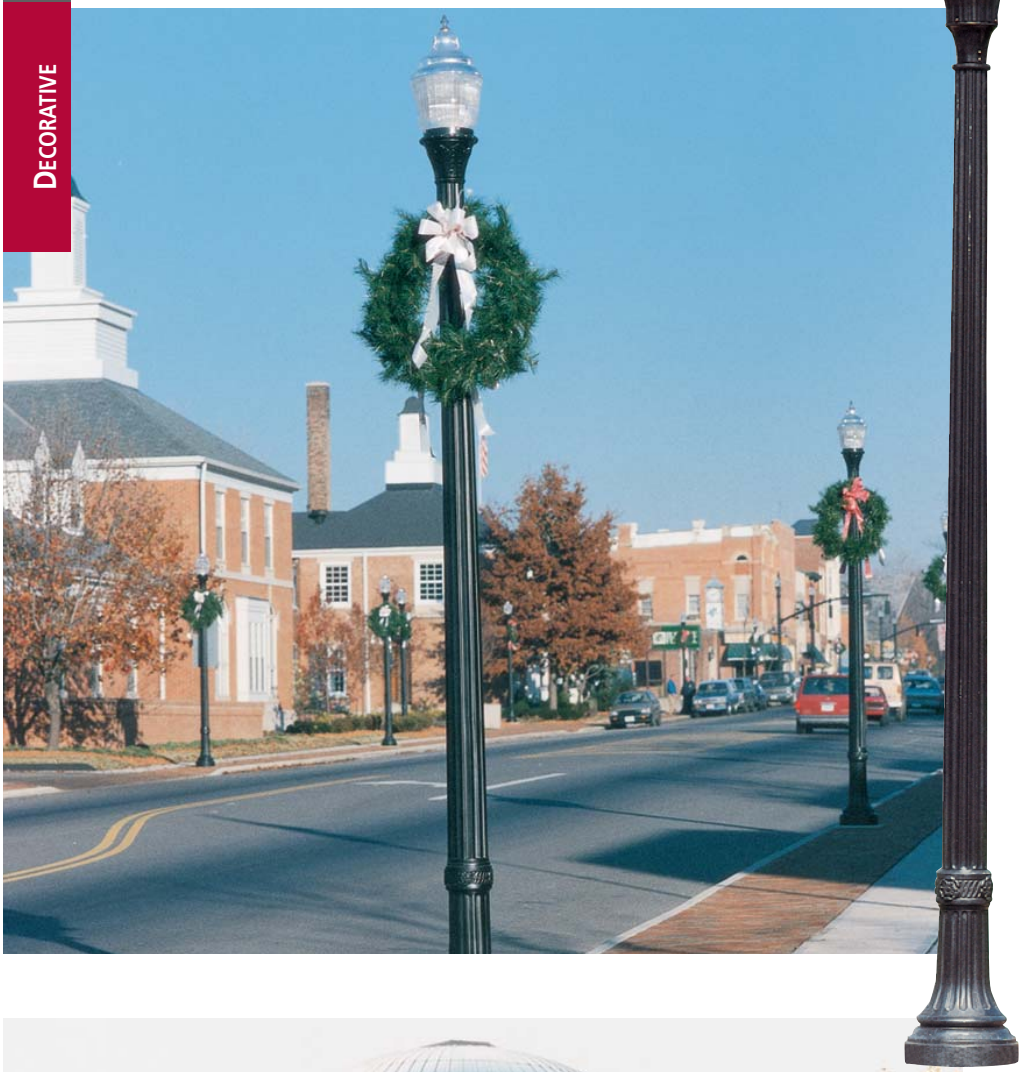
- Historically styled
- Long lasting
- Non-conductive

Typical Applications

- Where corrosion resistance is required
- Where low maintenance is desired
- Where durability is required



Composite



Holophane offers a selection of fiberglass reinforced composite posts designed to turn back time to an era when simplistic beauty was a way of life. These innovative replicas of historic cast iron light posts help communities recapture the ambiance of the early 20th Century.

Due to the impressive strength-to-weight ratio of their composite construction, Holophane fiberglass posts are capable of high structural loads, yet are still light in weight. This equates to lower construction costs due to ease of handling during installation.

Typical Applications

- Historic Districts
- City Streets
- Parks
- Residential Areas
- Campuses
- Walkways

Features

- Early era styling
- Modern material
- Ease of maintenance
- Non-conductive

These initial advantages are accompanied by the corrosion resistance of the composite material, making these posts an especially good choice for harsh marine environments.

Advantages of Holophane Composite Posts

- Historically styled
- Light weight
- Non-conductive

Typical Applications

- Where ease of installation is desired
- Where corrosion resistance is required

Product Features

The full line of decorative posts offers a vast array of base styles and shaft options to match any project theme. Anchored by the significant breadth of choice, this collection offers an appropriate set of heights, shaft lengths, and styles for pedestrian –scaled applications providing appropriate scale and transition with decorative post top luminaires.

1 **Decorative historical style luminaire:** A wide choice of luminaire styles to complement site architecture

2 **Post capital:** Is field attached to pole tenon and provides appropriate transition to post

3 **Pole material:** Historical style posts are available in aluminum, cast iron, cast iron and steel, concrete, and composite materials.

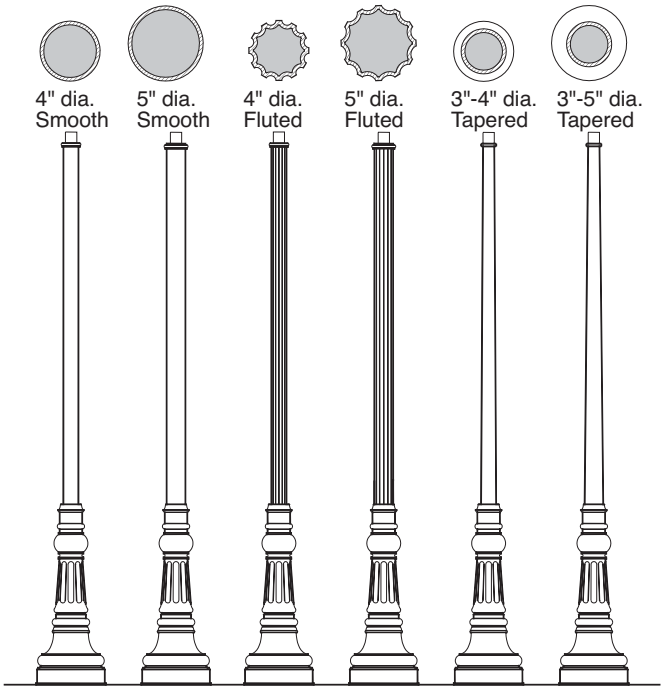
4 **Pole shaft style:** Provides distinct appearance with smooth, fluted and tapered options

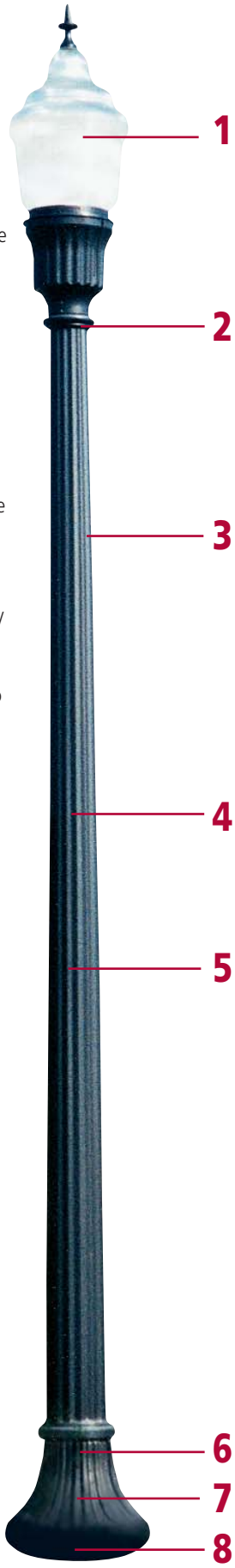
5 **Pole treatment and color:** Will further protect and enhance pole appearance. A wide variety of standard and custom colors are available.

6 **Pole base:** Provides a wide choice of styles to meet any design theme.

7 **Pole wire access:** Allows for ease of wiring and maintenance of the pole

8 **Pole mount:** Can be surface mounted with anchor base configuration or optional direct embedded





Specifications

For detailed performance specifications, visit our web site www.holophane.com

Ordering Information

Cast Aluminum, Cast Iron, Cast Iron & Steel

HOLOPHANE outdoor lighting

DECORATIVE
Product Catalog

How to Construct a Catalog Number

Example:

Z	BF	8S420	CA	BKH	FG-SXXH
1	2	3	4	5	6
PACKAGE	POLE STYLE	POLE/BASE SIZE	MATERIAL	FINISH	OPTIONS/ACCESSORIES
Z	B BF BL C CH CP CO D DW FM FW H K M MR NO NP NY OS P PT RF RH S SP W	See Charts	CA CI CIS	BKH DGH DBH CMH CSH	FG-SXXH FGIUS-SXXH FGIUL-SXXH RB/GFI/WPC

For ordering information on the decorative composite and concrete pole options, contact your local Holophane factory sales representative

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 crossarms 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

Catalog Number Information

STEP 1: PACKAGE

Z[1]	Complete pole package including anchor bolts

1 To order without any anchor bolts omit the Z prefix

STEP 2: POLE STYLE

Cast Aluminum Only

BF	Bradford
BL	Burlington
CH	Charleston
CO	Colorado
DW	Dunwoody
FM	Freemont
K	Kentwood
M	Mount Vernon
MR	Manchester
NO	Norwich
OS	Oslow
P	Plymouth
PT	Princeton
RH	Rockford Harbor
S	Salem
SP	Southport
W	Wadsworth

Cast Iron Only

NP	Nicoma Park
SA	San Antonio
WP	Winter Park

Cast Aluminum and Cast Iron

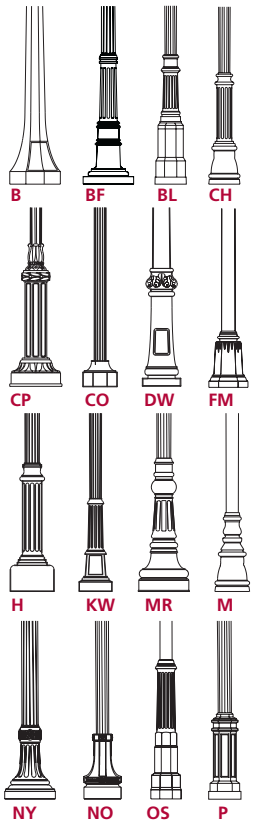
B	Barrington
CP	Chesapeake
H	Hamilton
NY	North Yorkshire

Cast Iron and Cast Iron & Steel

C	Columbia
D	Delaware
FW	Fort Washington
NY	North Yorkshire
RF	Ridgefield Park

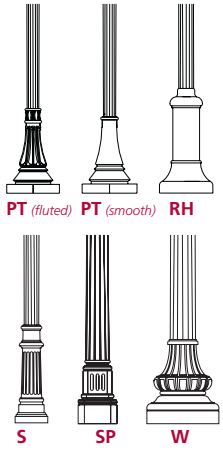
STEP 2: POLE STYLE

Cast Aluminum

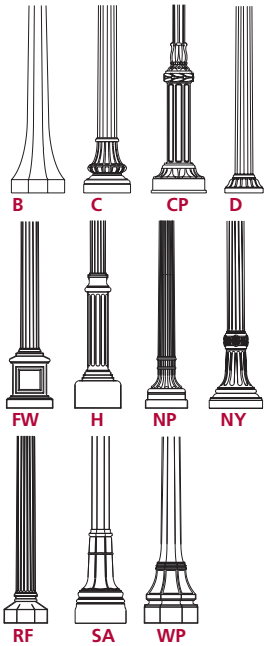


STEP 2: POLE STYLE

Cast Aluminum Continued

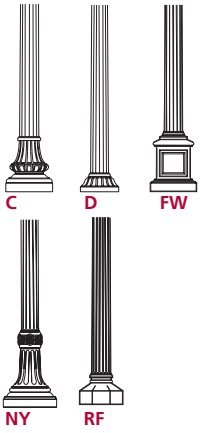


Cast Iron



STEP 2: POLE STYLE

Cast Iron and Steel



STEP 3: TOP TYPE/DIMENSIONS

See the charts on pages 133-131

STEP 4: MATERIAL

CA	Cast aluminum
CI	Cast iron
CIS	Cast iron and steel

STEP 5: FINISH

BKH	Black
DGH	Dark green
DBH	Dark bronze
CMH[1]	Custom color
CSH[1]	RAL number

1 Special order

STEP 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

Ordering Information

Cast Aluminum

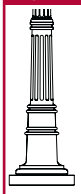
Catalog Number Information

STEP 3: TOP TYPE/DIMENSIONS

B | BARRINGTON

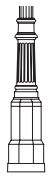
STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
16" Base		
816R7	7'11"	44 (98)
1016R7	9'11"	49 (109)
20" Base		
1220R7	12'	31 (69)
1420R7	14'	38 (84)

BF | BRADFORD



STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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'	56 (123)
12F521	12'	57 (127)
14F520	14'	59 (131)
16F520	16'	62 (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

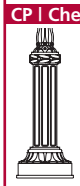


STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
4" Smooth Shaft, 11" Base		
8S411	8'4"	28 (61)
10S411	10'4"	29 (64)
12S411	12'4"	31 (68)
14S411	14'4"	33 (72)
4" Fluted Shaft, 11" Base		
8F411	8'	28 (62)
10F411	10'	30 (67)
12F411	12'	32 (71)
14F410	14'	34 (75)
3-4" Smooth Tapered Shaft, 11" Base		
8T411	10'	54 (60)
10T411	12'	56 (64)
12T411	14'	58 (68)
14T411	16'	59 (71)

CH | CHARLESTON

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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)
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



STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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)
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

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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)

DW | Dunwoody

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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)

Catalog Number Information

STEP 3: TOP TYPE/DIMENSIONS

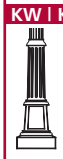
H | HAMILTON

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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)
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

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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)

KW | Kentwood



STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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 (14)
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)

MR | Manchester

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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		
10T519	10'	56 (124)
12T519	12'	58 (127)
14T519	14'	59 (131)
16T519	16'	63 (135)

M | Mount Vernon

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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)

NY | North Yorkshire

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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)

NY | North Yorkshire

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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)
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

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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)

Ordering Information

Cast Aluminum

Catalog Number Information

STEP 3: TOP TYPE/DIMENSIONS

OS | OSLOW

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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)

P | PLYMOUTH

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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)

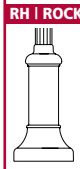
PT | PRINCETON*

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
4" Smooth Shaft, 18" Hex Fluted Base		
8S418FB	8'	34 (76)
10S418FB	10'	36 (80)
12S418FB	12'	38 (83)
14S418FB	14'	39 (87)
4" Fluted Shaft, 18" Hex Fluted Base		
8F418FB	8'	35 (78)
10F418FB	10'	37 (82)
12F418FB	12'	39 (86)
14F418FB	14'	41 (90)
3-4" Smooth Tapered Shaft, 18" Hex Fluted Base		
8T418FB	8'	35 (78)
10T418FB	10'	37 (82)
12T418FB	12'	39 (86)
14T418FB	14'	41 (90)

PT | PRINCETON

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
4" Smooth Shaft, 18" Hex Smooth Base		
8S418	8'	32 (70)
10S418	10'	34 (74)
12S418	12'	35 (78)
14S418	14'	38 (81)
4" Fluted Shaft, 18" Hex Smooth Base		
8F418	8'	33 (72)
10F418	10'	35 (77)
12F418	12'	38 (81)
14F418	14'	39 (85)
3-4" Smooth Tapered Shaft, 18" Hex Smooth Base		
8T418	8'	32 (70)
10T418	10'	34 (74)
12T418	12'	35 (78)
14T418	14'	38 (81)

RH | ROCKFORD HARBOR



STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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)

S | SALEM

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
Tapered Fluted, 17" Square Base		
8C17	8'	39 (86)
10C17	10'	41 (90)
12C17	12'	44 (97)
14C17	14'	48 (106)
Tapered Fluted, 19" Square Base		
8C19	8'	46 (102)
10C19	10'	48 (106)
12C19	12'	51 (113)
14C19	13'7"	55 (122
4" Smooth Shaft, 17" Square Base		
8S417	8'	23 (50)
10S417	10'	24 (54)
12S417	12'	26 (58)
14S417	14'	28 (62)
5" Smooth Shaft, 17" Square Base		
10S517	10'	25 (55)
12S517	12'	27 (59)
14S517	14'	29 (63)
16S517	16'	30 (66)
4" Fluted Shaft, 17" Square Base		
8F5417	8'	24 (52)
10F417	10'	25 (56)
12F417	12'	28 (61)
14F417	14'	30 (66)
5" Fluted Shaft, 17" Square Base		
10F517	10'	26 (57)
12F517	12'	28 (62)
14F517	14'	30 (67)
16F517	16'	32 (71)
3-4" Smooth Tapered Shaft, 17" Square Base		
10T517	10'	23 (50)
12T517	12'	24 (54)
14T517	14'	26 (58)
16T517	16'	28 (62)
3-5" Smooth Tapered Shaft, 17" Square Base		
10T517	10'	24 (54)
12T517	12'	26 (58)
14T517	14'	28 (62)
16T517	16'	30 (66)
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)

Cast Iron and Cast Iron & Steel

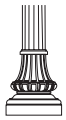
Catalog Number Information

STEP 3: Top Type/Dimensions

B | Barrington

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
16" Base		
816R7	7'11"	135 (297)
1016R7	9'11"	148 (327)
20" Base		
1220R7	11'11"	221 (488)

C | Columbia



STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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)
Fluted Tapered, 22" Base		
1022	9'10"	269 (592)
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)

H | Hamilton

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
16" Base		
1016	10'	167 (369)
1216	12'	186 (409)
1416	14'	204 (449)

NP | Nicoma Park

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
15" Base		
1015	9'6"	122 (269)

NY | North Yorkshire

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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

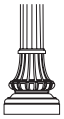
STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
19" Base		
1219	12'3"	248 (546)

WP | Winter Park

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
Octagonal, 18" Base		
1118R7	11'	222 (489)
Octagonal, 20" Base		
1220R7	12'	309 (681)

STEP 3: Top Type/Dimensions

C | Columbia



STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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)
2020	20'	168 (370)
2220	21'10"	186 (410)
24" Base		
1224	12'	166 (365)
1324	13'2"	166 (365)
1524	14'6"	176 (389)
1724	17'	187 (413)
2024	20'	199 (438)
2224	21'10"	206 (454)

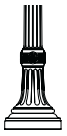
D | Delaware

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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)
2115	20'6"	142 (313)

W | Fort Washington

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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)
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

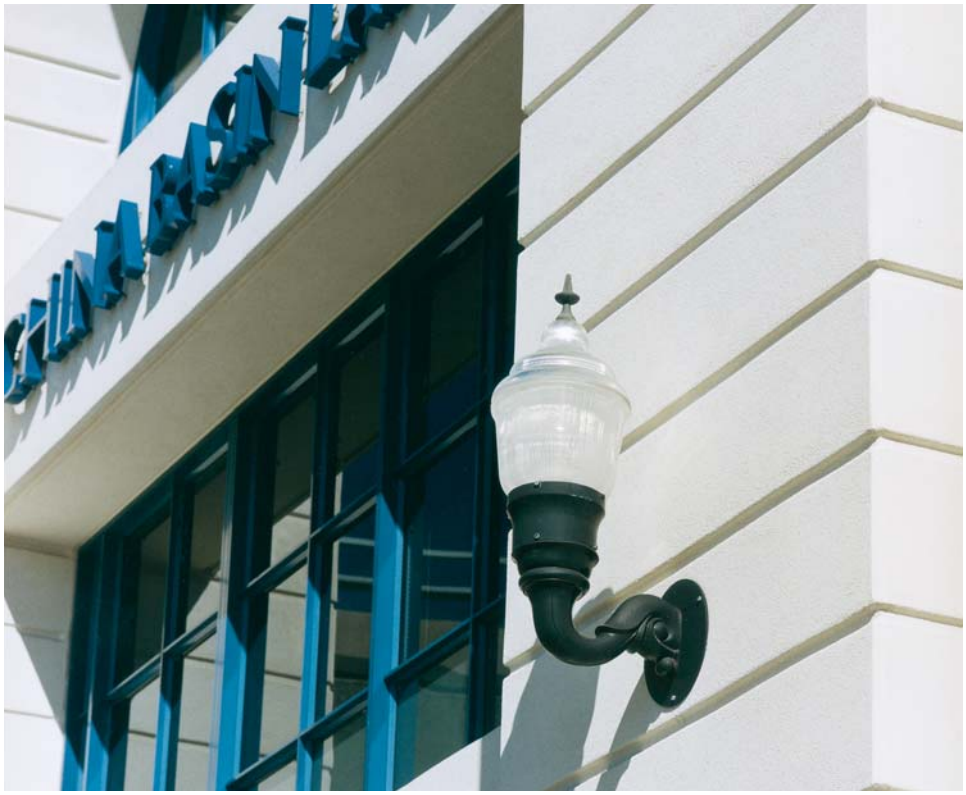


STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
17" Base		
1317	12'6"	121 (266)
1417	13'8"	127 (280)
1517	15'	132 (290)
1817	17'6"	142 (314)
2117	7'6"	154 (339)
20" Base		
1320	13'	153 (337)
1420	14'2"	159 (351)
1620	15'6""	164 (361)
1820	18'	175 (385)
2120	21'	186 (410)
2320	22'10"	193 (426)

F | Ridgefield

STEP 3 CAT. NO.	HEIGHT	WEIGHT KG (LBS)
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)

Historical Style Post Accessories



Typical Applications

- Brackets and Crossarms
- Street Signs
- Traffic Signs
- Banner Arms
- Flagpole Holders
- Mailboxes

Features

- Variety of decorative choices
- Structurally sound construction
- Premium factory finish
- Attractive design

HSCapes™
HOLOPHANE outdoor lighting

DECORATIVE
Product Catalog

Historical Posts | Accessories

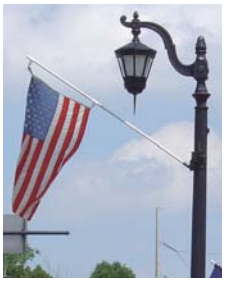
Designed to combine form and function, the decorative post accessories offer a true choice of styles. The decorative aluminum crossarms offer many styles that can mate from two to five luminaires on a single post assembly.

In addition to crossarms, streetscape projects require a host of options that include banner arms, receptacles, flagpole holders, and signage that are integrated to the pole assembly designed to enhance the streetscape and compliment the site architecture.

Brackets and Crossarms

Street and Traffic Signs

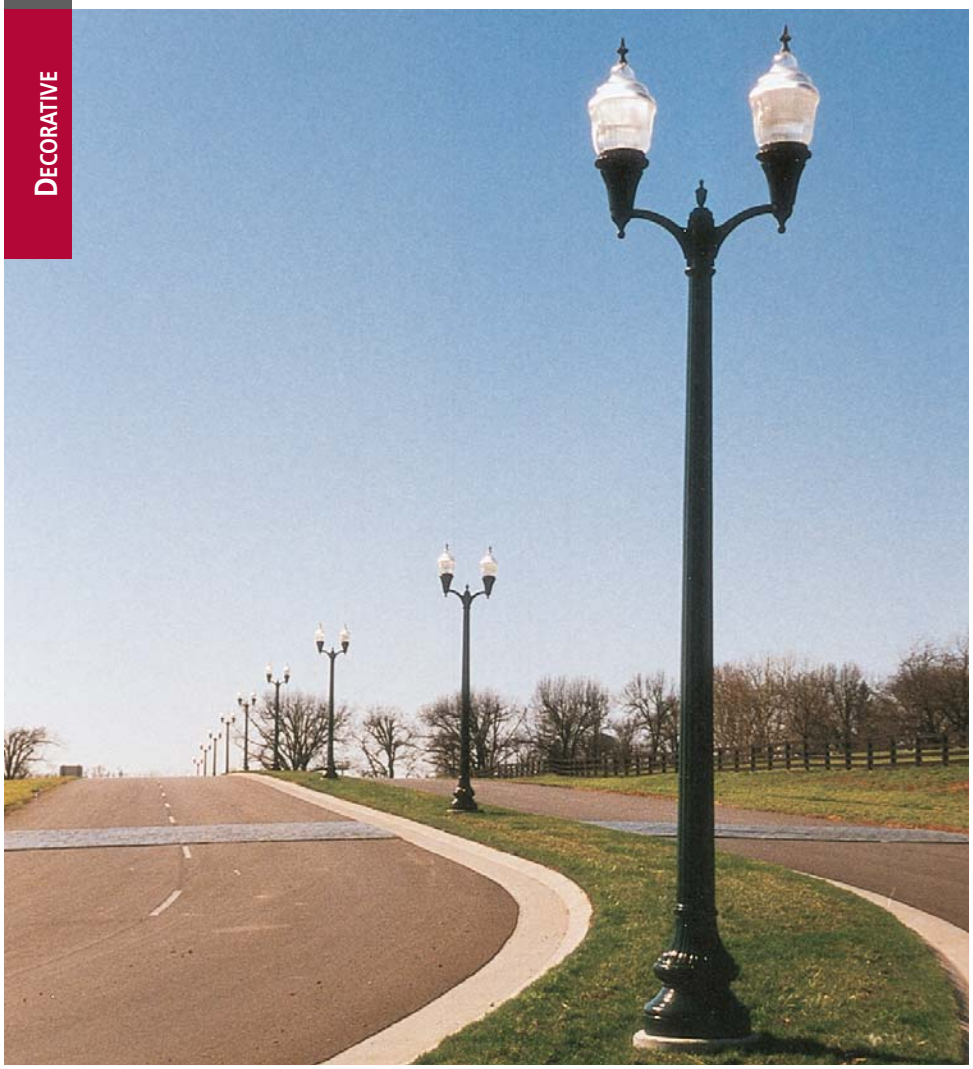
Banner Arms



Flagpole Holders

Mailboxes

Wall Brackets and Crossarms



A variety of crossarms and wall brackets complement Holophane's historically styled luminaires and posts. Fabricated from aluminum castings, these brackets match the scale and authentic detailing of cast iron, aluminum, fiberglass, or concrete posts. While shown here as wall brackets or twin crossarms, they are also available with styles in three and four way configurations. In addition, historically styled mast arms are available for top and side mounted luminaires.

Typical Applications

- Plazas
- Commercial Buildings
- Schools
- Bridges
- Roadways
- Residential Areas

Features

- Fourteen distinctive styles
- Reliable construction
- Premium factory finish
- Fine ornamental detailing
- Two, three or four luminaire mounting options

Ordering Information

How to Construct a Catalog Number

Example:

AS	C30/3	CA	BK	HDF
1	2	3	4	5
STYLE	COMBINATION	MATERIAL	FINISH	OPTIONS/ACCESSORIES
A AS AX C CP CS LB LR LV NP OM PCP RI W	*See Charts*	CA	BK DB DG PP CC	HDF

Catalog Number Info.

STEP 1: BRACKET/CROSSARM

A	Annapolis
AS	Albany
AX	Avondale
C	Cleveland
CP	Castle Park
CS	Cincinnati
LB	Liberty
LR	Loredo
LV	Loveland
NP	Northbrook
OM	Ohio
PCP	Philadelphia
RI	Rhode Island
W	Washington

STEP 2: COMBINATION

See the chart on the right for the catalog number for the right style name and crossarm combination to insert for Step 2.

STEP 3: MATERIAL

CA	Cast Aluminum

STEP 4: FINISH

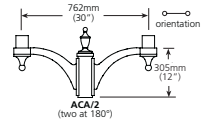
BK	Black
DB	Dark Blue
DG	Dark Green
PP	Prime Painted
CC	Custom Color

STEP 5: OPTIONS AND ACCESSORIES

HDF	Extra long optional finial under tenon for "A" only

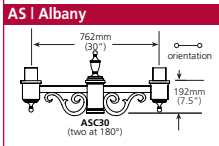
STEP 2: COMBINATION

A | Annapolis



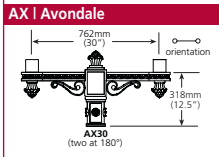
STYLE NAME COMBINATION	STEP 2 CAT. NO.	ARMS MOUNT
26" Crossarm	CA/3	3@120°
26" Crossarm, 1 Center Tenon	CA/3T	3@120°
30" Crossarm	CA/2	2@180°
	CA/4	4@90°
30" Crossarm, 1 Center Tenon	CA/2T	2@180°
	CA/4T	4@90°
Wall Bracket	WB	

AS | Albany



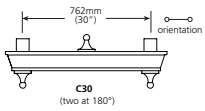
STYLE NAME COMBINATION	STEP 2 CAT. NO.	ARMS MOUNT
26" Crossarm	C30/3	3@120°
26" Crossarm, 1 Center Tenon	C30/3T	3@120°
30" Crossarm	C30	2@180°
	C30/4	4@90°
30" Crossarm, 1 Center Tenon	C302T	2@180°
	C30/4T	4@90°
Wall Bracket	WB	

AX | Avondale



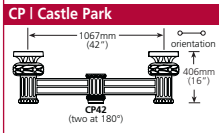
STYLE NAME COMBINATION	STEP 2 CAT. NO.	ARMS MOUNT
30" Crossarm	30	2@180°
	30/4	4@90°
30" Crossarm, 1 Center Tenon	30/2T	2@180°
	30/4T	4@90°
Wall Bracket	WB	

C | Cleveland



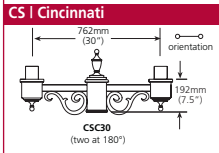
STYLE NAME COMBINATION	STEP 2 CAT. NO.	ARMS MOUNT
24" Crossarm	24/2	2@180°
	24/4	4@90°
24" Crossarm, 1 Center Tenon	24/2T	2@180°
	24/4T	4@90°
30" Crossarm	30/2	2@180°
	30/4	4@90°
30" Crossarm, 1 Center Tenon	302T	2@180°
	30/4T	4@90°
Wall Bracket	WB	

CP | Castle Park



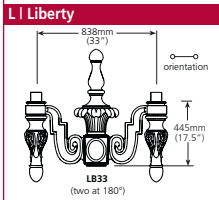
STYLE NAME COMBINATION	STEP 2 CAT. NO.	ARMS MOUNT
42" Crossarm	42/2R/(7)	2@180°
	42/4R/(7)	4@90°
42" Crossarm, 1 Center Tenon	42/2T/R(7)	2@180°
	42/4T/R(7)	4@90°
Wall Bracket	WB/R(7)	

CS | Cincinnati



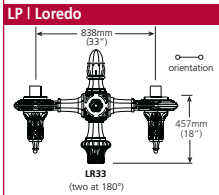
STYLE NAME COMBINATION	STEP 2 CAT. NO.	ARMS MOUNT
26" Crossarm	C30/3	3@120°
26" Crossarm, 1 Center Tenon	C30/3T	3@120°
30" Crossarm	C30	2@180°
	C30/4	4@90°
30" Crossarm, 1 Center Tenon	C302T	2@180°
	C30/4T	4@90°
Wall Bracket	WB	

L | Liberty



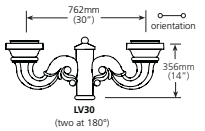
STYLE NAME COMBINATION	STEP 2 CAT. NO.	ARMS MOUNT
33" Crossarm	33/2	2@180°
	33/4	4@90°
33" Crossarm, 1 Center Tenon	33/2T	2@180°
	33/4T	4@90°
Wall Bracket	WB	

LP | Loredo



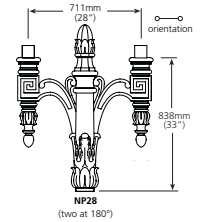
STYLE NAME COMBINATION	STEP 2 CAT. NO.	ARMS MOUNT
33" Crossarm	33/2	2@180°
	33/4	4@90°
33" Crossarm, 1 Center Tenon	33/2T	2@180°
	33/4T	4@90°
Wall Bracket	WB	

LV | Loveland



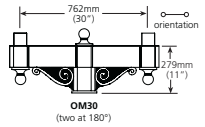
STYLE NAME COMBINATION	STEP 2 CAT. NO.	ARMS MOUNT
26" Crossarm	CA/3	3@120°
26" Crossarm	30/3/R(7)	3@120°
26" Crossarm, 1 Center Tenon	30/3T/R(7)	3@120°
30" Crossarm	30/2/R(7)	2@180°
	30/4/R(7)	4@90°
30" Crossarm, 1 Center Capital	30/2T/R(7)	2@180°
	30/4T/R(7)	4@90°
Wall Bracket	WB/R(7)	

NP | Northbrook



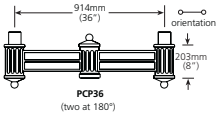
STYLE NAME COMBINATION	STEP 2 CAT. NO.	ARMS MOUNT
28" Crossarm	28/2	2@180°
	28/4	4@90°
28" Crossarm, 1 Center Tenon	28/2T	2@180°
	28/4T	4@90°
Wall Bracket	WB	

OM | Ohio



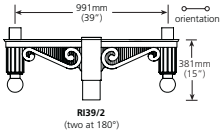
STYLE NAME COMBINATION	STEP 2 CAT. NO.	ARMS MOUNT
30" Crossarm	30/2	2@180°
	30/4	4@90°
30" Crossarm, 1 Center Tenon	30/2T	2@180°
	30/4T	4@90°
Wall Bracket	WB	

PCP | Philadelphia



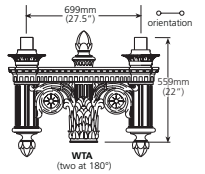
STYLE NAME COMBINATION	STEP 2 CAT. NO.	ARMS MOUNT
31" Crossarm	36/3	3@120°
31" Crossarm, 1 Center Tenon	36/3T	3@120°
36" Crossarm	36	2@180°
	36/4	4@90°
36" Crossarm, 1 Center Tenon	36/2T	2@180°
	36/4T	4@90°
41.5" Crossarm	48/3	3@120°
41.5" Crossarm, 1 Center Tenon	48/3T	3@120°
48" Crossarm	48	2@180°
	48/4	4@90°
48" Crossarm, 1 Center Tenon	48/2T	2@180°
	48/4T	4@90°
Wall Bracket	WB	

RI | Rhode Island



STYLE NAME COMBINATION	STEP 2 CAT. NO.	ARMS MOUNT
39" Crossarm	39/2	2@180°
	39/4	4@90°
39" Crossarm, 1 Center Tenon	39/2T	2@180°
	39/4T	4@90°
Wall Bracket	WB	

W | Washington



STYLE NAME COMBINATION	STEP 2 CAT. NO.	ARMS MOUNT
27.5" Crossarm	TA	2@180°
	TA/4	4@90°
27.5" Crossarm, 1 Center Tenon	TA/2T	2@180°
	TA/4T	4@90°
Wall Bracket	WB	

Cast Iron & Steel Posts for Pendant Luminaires

An outstanding combination of today's most popular urban-scale decorative pole, arm, and luminaire combinations for use with the Tear Drop series.

Typical Applications

- Historic Districts
- Parks
- Boulevards
- Campuses
- Walkways

Features

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

Ordering Information

How to Construct a Catalog Number

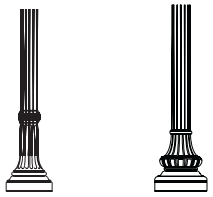
Example:

CES	1720	CISPP	WLC	72/1	CAPPH	LAB
1	2	3	4	5	6	7
Post Style	Post Ht./Dia.	Finish	Crossarm	Arm Length	Crossarm Finish	Options/Accessories
CES NYES	1720 1820 2020 2120 2220 2320	CISBK CISCM CISCS CISDB CISDG CISPP	BHC CAM WLC	48/1 72/1 96/2 144/2	CABKH CACMH CACSH CADBH CADGH CAPPH	LAB FG-SXXH FGIUS-SXXH FGIUL-SXXH RB/GFI/WPC

Catalog Number Information

STEP 1: Post Style

CES Columbia with bracket arms
NYES North Yorkshire with bracket arms



NYES CES

STEP 2: Post Height/Diameter

Columbia
1720 17′ high with a 20″ base
2020 20′ high with a 20″ base
2220 22′ high with a 20″ base
North Yorkshire
1820 18′ high with a 20″ base
2120 21′ high with a 20″ base
2320 23′ high with a 20″ base

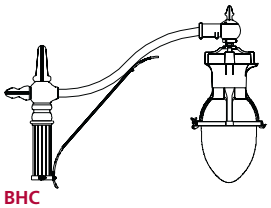
STEP 3: Post Material/Finish

Cast Iron Base with a Steel Shaft
CISBK Black
CISCS[1] Color selection (RAL#)
CISCM[1] Custom color match
CISDB Dark bronze
CISDG Dark green
CISPP Prime painted

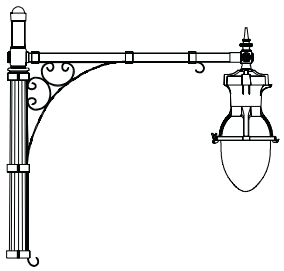
1 Special order through Decorative Outdoor Group

STEP 4: Crossarm Style

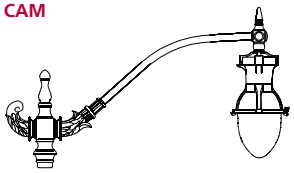
BHC Boston Harbour crossarm
CAM Camden crossarm
WLC West Liberty crossarm



BHC



CAM



WLC

STEP 5: Crossarm Length

48/1 48″ Single arm
72/1 72″ Single arm
96/2 48″ Twin arm @180°
144/2 72″ Twin arm @180°

STEP 6: Crossarm Finish

Cast Iron Base with Steel Shaft
CAPPH Prime painted
CABKH Black
CADGH Dark green
CADBH Dark bronze
CACMH[1] Custom color match
CACSH[1] Color selection (RAL#)

1 Special order through Decorative Outdoor Group

STEP 7: Options/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

Street Signs

An offering of fully cast aluminum street signs for use with Holophane supplied cast aluminum, cast iron, and cast iron and steel combination decorative posts.

Typical Applications

- Historic Districts
- Parks
- Boulevards
- Campuses
- Walkways

Features

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

Ordering Information

How to Construct a Catalog Number

Example:

STS1C	PT	S	CA/BK
1	2	3	4
Sign Type	Mounting	Options	Material/Finish
STS1C	BO	AF	CA/BK
STS2C	COXX	S	CA/DB
2STS1C	CO2(90)XX		CA/DG
2STS2C	PT		CA/CC
STS1O	PT2		
STS2O	BA40/BO		
2STS1O	BA40/CO		
2STS2O	BA40/CO2(90)XX		
STS1			
STS2			
2STS1			
2STS2			
STS1R			
STS2R			
2STS1CR			
2STS2R			

Catalog Number Information

STEP 1: Sign Type

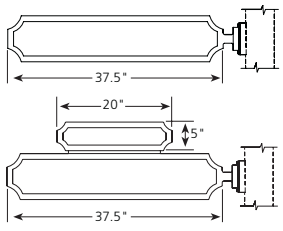
CURVED

STS1C	Single frame
STS2C	Double frame
2STS1C[1, 2]	Twin single frame
2STS2C[1, 2]	Twin double frame

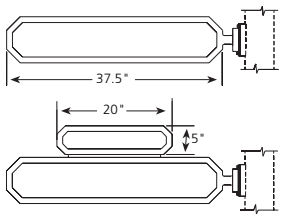
OCTAGONAL

STS1O	Single frame
STS2O	Double frame
2STS1O[1, 2]	Twin single frame
2STS2O[1, 2]	Twin double frame

1 For twin signs (with bolt on mounting only) a 2 is added before the part number.
2 Bolt on only



CURVED



OCTAGONAL

STEP 1: Sign Type *(CONTINUED)*

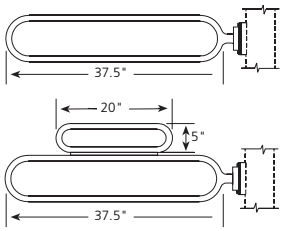
OVAL

STS1	Single frame
STS2	Double frame
2STS1[1, 2]	Twin single frame
2STS2[1, 2]	Twin double frame

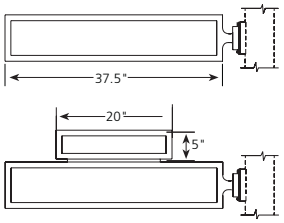
RECTANGULAR

STS1R	Single frame
STS2R	Double frame
2STS1CR[1, 2]	Twin single frame
2STS2R[1, 2]	Twin souble frame

1 For twin signs (with bolt on mounting only) a 2 is added before the part number.
2 Bolt on only



OVAL



RECTANGULAR

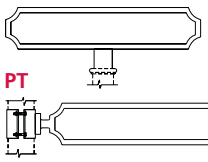
STEP 2: Mounting Options

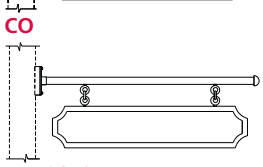
BO[1]	Bolt on
CO XX[2]	Clamp on
CO2(90)XX[2]	Clamp on, twin signs @ 90°
PT	Post top
PT2	Post top, twin signs

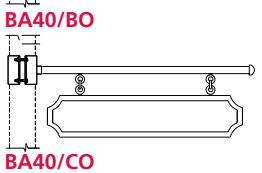
Banner Arms

BA40/BO[1]	40" Bolt on
BA40/CO	40" Clamp on
BA40/CO2(90)XX[2]	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.


PT

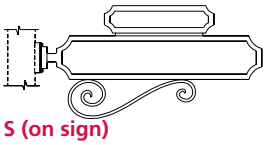

CO

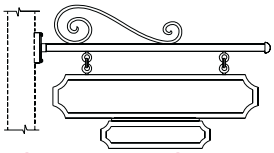

BA40/BO

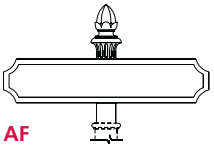
BA40/CO

STEP 3: Decorative Options

S Scroll (on sign or banner arm)
AF Finial (on post top frame)


S (on sign)


S (on banner arm)


AF

STEP 4: Materials/Finish

Cast Aluminum

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

Traffic Signs

An offering of fully cast aluminum street signs for use with Holophane supplied cast aluminum, cast iron, and cast iron and steel combination decorative posts.

Typical Applications

- Historic Districts
- Parks
- Boulevards
- Campuses
- Walkways

Features

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

Ordering Information

How to Construct a Catalog Number

Example:

OCS24	PT	AF	CA/BK
1	2	3	4
SIGN TYPE	MOUNTING	OPTIONS	MATERIAL/FINISH
DIS24 DIS36 HRS3018 HRS3612 OCS24 OCS30 SQS18 SQS24 SQS30 TRS30 TRS36 VRS1218 VRS1824 VRS2430	CO PT	AF	CA/BK CA/DB CA/DG CA/CC

Catalog Number Information

STEP 1: SIGN TYPE

OCTAGONAL

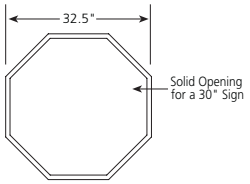
OCS24	24″ Sign
OCS30	30″ Sign

SQUARE

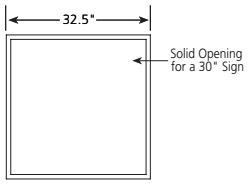
SQS18	18″ Sign
SQS24	24″ Sign
SQS30	30″ Sign

VERTICAL RECTANGULAR

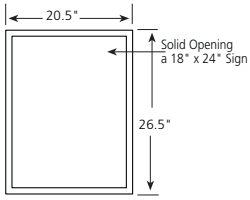
VRS1218	12″ x 18″ Sign
VRS1824	18″ x 24″ Sign
VRS2430	24″ x 30″ Sign



OCS30/CO
(Octagonal Sign)



SQS30/CO
(Square Sign)



VRS1824/CO
(Vertical Rectangular Sign)

STEP 1: SIGN TYPE (CONTINUED)

HORIZONTAL RECTANGULAR

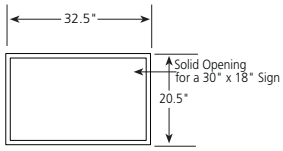
HRS3018	30″ x 18″ Sign
HRS3612	36″ x 12″ Sign

TRIANGULAR

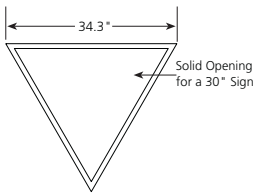
TRS30	30″ Sign
TRS36	36″ Sign

DIAMOND

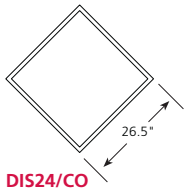
DIS24	24″ Sign
DIS36	36″ Sign



HRS3018/CO
(Horizontal Rectangular Sign)



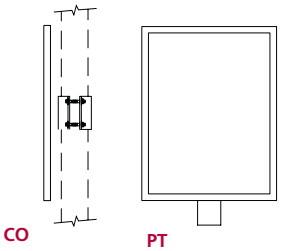
TRS30/CO
(Triangular Sign)



DIS24/CO
(Diamond Sign)

STEP 2: MOUNTING OPTIONS

CO	Clamp on (clamps around post)
PT	Post top (mounts on top of post)



CO **PT**

STEP 3: DECORATIVE OPTIONS

AF	Finial

STEP 4: MATERIAL/FINISH

Cast Aluminum

CA/BK	Black (standard)
CA/DB	Dark bronze
CA/DG	Dark green
CA/CC	Custom color (special)

Banner Arms

An offering of fully cast aluminum traffic signs for use with Holophane supplied cast aluminum, cast iron, and cast iron and steel combination decorative posts.

Typical Applications

- Historic Districts
- Parks
- Boulevards
- Campuses
- Walkways

Features

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

Ordering Information

How to Construct a Catalog Number

Example:

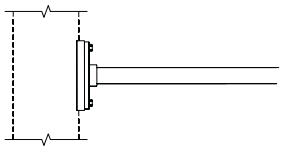
BAXX	H	1	COXX	2EB	EB/BO	CA/BK
1	2	3	4	5	6	7
Banner	End Caps	Diameter	Mounting	Options	Eyebolts	Material/Finish
BAXX BBAXX	A B H R	.75 1 1.25 1.5	BO COXX CO2(180)XX CO2(90)XX CO3(90)XX CO4(90)XX	2EB S/2EB	EB/BO EB/COXX EB/CO2(180)XX EB/CO2(90)XX EB/CO3(90)XX EB/CO4(90)XX	CA/BK CA/DB CA/DG CA/CC

Catalog Number Information

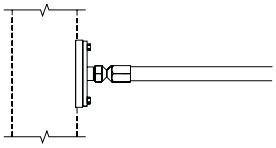
STEP 1: Banner

BAXX[1]	Standard banner arm
BBAXX[1]	Break-away banner arm

1 Fill in arm length in inches for "XX"



BAXX



BBAXX

STEP 2: Banner Arm End Caps

H	Standard half sphere
B	Ball
A	Acorn
R	Raleigh

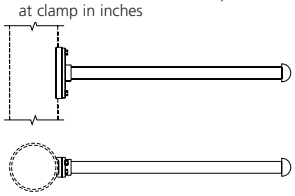
STEP 3: Banner Arm Diameter

.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.)

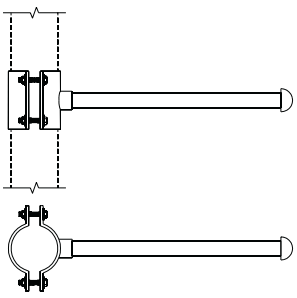
STEP 4: Mounting Options

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



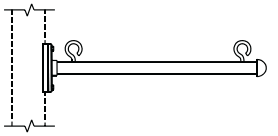
BO



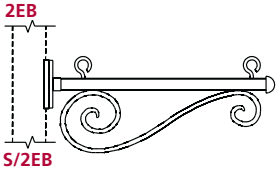
CO

STEP 5: Options

2EB	Two eyebolts on arm
S/2EB	Decorative scroll and eyebolts on arm



2EB



S/2EB

STEP 6: Eyebolts

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

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

STEP 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

Flagpole Holders

An offering of functional flagpole holder brackets for use with Holophane supplied cast aluminum, cast iron, and cast iron and steel combination decorative posts.

Typical Applications

- Historic Districts
- Parks
- Boulevards
- Campuses
- Walkways

Features

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

Ordering Information

How to Construct a Catalog Number

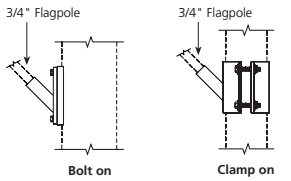
Example:

FPH1	BO	CA/BK
1	2	3
FLAGPOLE HOLDER	MOUNTING	MATERIAL/FINISH
FPH.75 FPH1 FPF1.25 FPH1.5	BO COXX CO2(180)XX CO2(90)XX CO3(90)XX CO4(90)XX	CA/BK CA/DB CA/DG CA/CC CA/PP

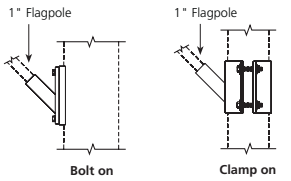
Catalog Number Information

STEP 1: POST STYLE

FPH.75 For .75" Post
FPH1 For 1" Post



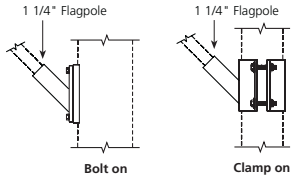
FPH.75



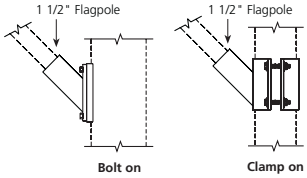
FPH1

STEP 1: POST STYLE (CONTINUED)

FFPH1.25 For 1.25" Post
FPH1.5 For 1.5" Post



FPH1.25

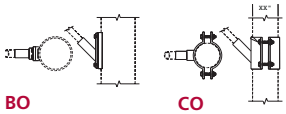


FPH1.5

STEP 2: MOUNTING OPTIONS

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



BO **CO**

STEP 3: MATERIAL/FINISH

Cast Aluminum
CA/BK Black (standard)
CA/DB Dark Bronze
CA/DG Dark green
CA/CC Custom color (special)
CA/PP Prime painted

Emergency Call Boxes

Emergency call boxes are designed to meet critical safety functions designed to complement surrounding architecture. Wheelchair and car window accessible. Can be wired to on-premise security systems or even EMS #911.

Typical Applications

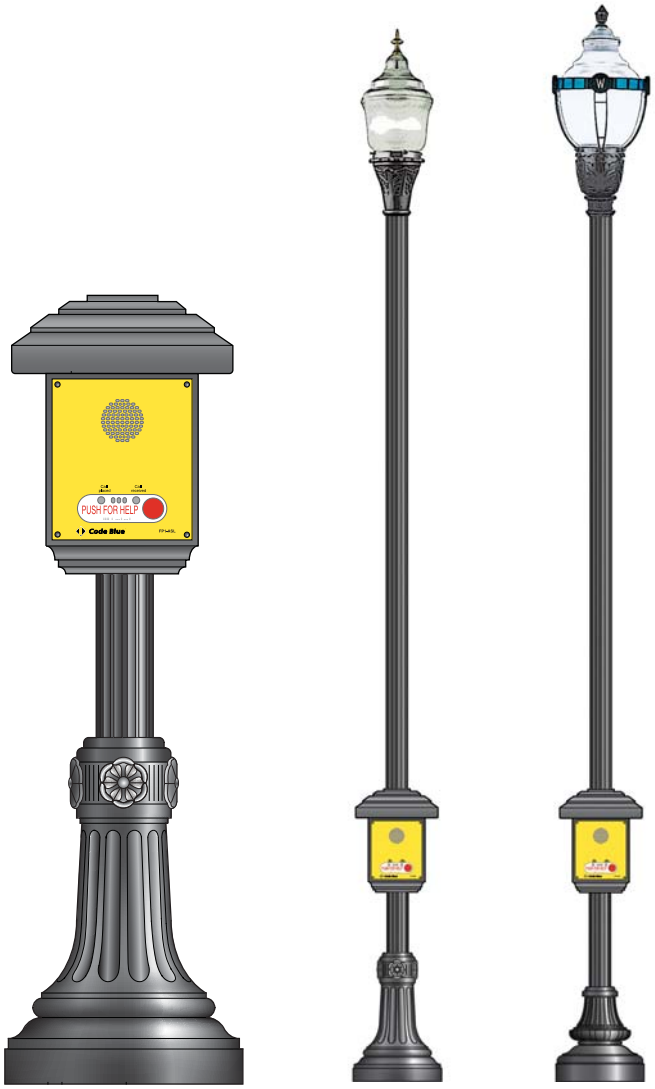
- Historic Districts
- Parks
- Boulevards
- Campuses
- Walkways

Features

- Stand alone post mounted call box
- Integrated call box post enclosure with luminaire
- Five popular cast aluminum base styles
- All assemblies finished with a protective polyester powder paint finish
- Call box enclosures or call box systems are available

Ordering Information

To order please contact your local Holophane factory sales representative



Specifications

Materials
The post bases and call box phone unit housings are heavy-wall, low-copper, cast aluminum. The shafts, on units ACB3 & ACB4, shall be 4" diameter extruded aluminum. Posts S9, W17, NY17 and CH16 have fluted shafts and post S4S6 has a smooth shaft.

Construction
All posts are one-piece construction. The shafts are telescoped into the bases and the call box housing and double welded for maximum structural integrity. An integral 3" O.D. x 3" tenon is included for luminaire mounting on unit ACB4.

Installation
The posts are provided with four, 3?4" diameter, hot-dip galvanized, L-type anchor bolts. The bolt circle for posts W17 and NY17 is 12"Ø, for post CH16 it is 10"-12"Ø, for post S9 it is 9.5"Ø and for post S4S6 it is 10.5"Ø. A door is provided in the base for anchorage and/or wiring access.

Finish
The posts and call box housing are finished with a premium polyester powder coating. Standard colors are black, dark bronze, and dark green. Custom match is a color to match a specific color sample. Custom select are colors chosen from a wide selection of RAL colors. The stainless steel front panel on the call box phone unit is painted bright yellow.

Hardware
All hardware is tamper-proof stainless steel. Note: A special screw driver is required for 7/32 pin-in-head screws.

Call Box Phone Unit
Consult your local Holophane factory sales representative for more details.

Mailboxes

An offering of fully cast aluminum decorative mailboxes designed to complement any elegant residential or commercial district.

Typical Applications

- Historic Districts
- Parks
- Boulevards
- Campuses
- Walkways

Features

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

Ordering Information

How to Construct a Catalog Number

Example: **BOL/W54/14/BT**

1	2	3
BOLLARDS	MAILBOX	MATERIAL/FINISH
BOL/H36/	GMB/LMS	CA/BK
BOL/C34/	GMB/SMS	CA/DB
BOL/CP37/	HMB	CA/DG
BOL/CH41/	IMB/LMS	CA/CC
BOL/W36/	IMB/SMS	CA/PP
BOL/PT39/		
BOL/PT41/		
BOL/NY41/		
BOL/W54/		
BOL/NY54/		
BOL/PT54/		

Catalog Number Information

STEP 1: BOLLARDS FOR MAILBOX BASE

"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

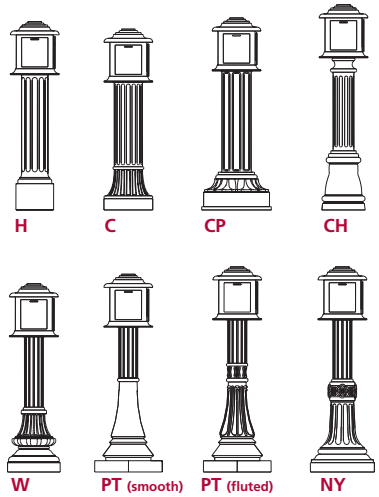
BOL/H36/10/M	Hamilton 10" Round Base
BOL/C34/13/M	Columbia 13" Round Base
BOL/CP37/18/M	Chesapeake 19" Round Base
BOL/CH41/12/M	Charleston 11.5" Round Base
BOL/W36/14/M	Wadsworth 14" Round Base
BOL/PT39/18/M	Princeton Smooth 18" Hex Base
BOL/PT41/18FB/M	Princeton Fluted 18" Hex Base
BOL/NY41/17/M	North 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



STEP 2: MAILBOX

"G" Series

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

"H" Series

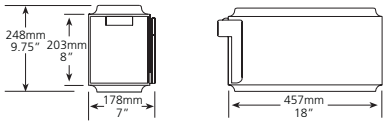
HMB	H Series Mailbox with House Number Sign

"S" Series

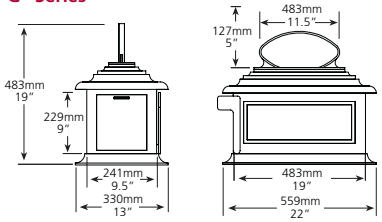
SMB	S Series Mailbox

Industry Standard

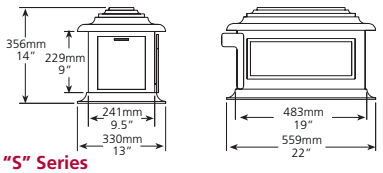
IMB/LMS	Standard Mailbox with Long Support
IMB/SMS	Standard Mailbox with Short Support



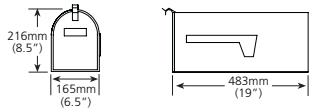
"G" Series



"H" Series



"S" Series



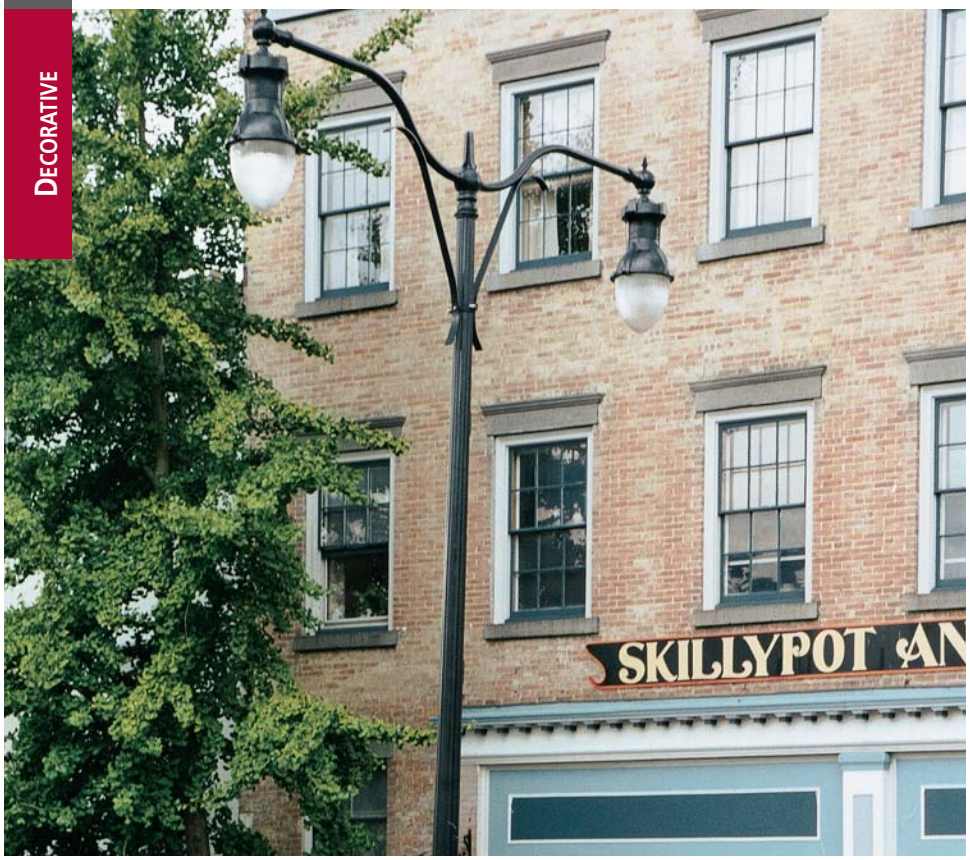
Industry Standard

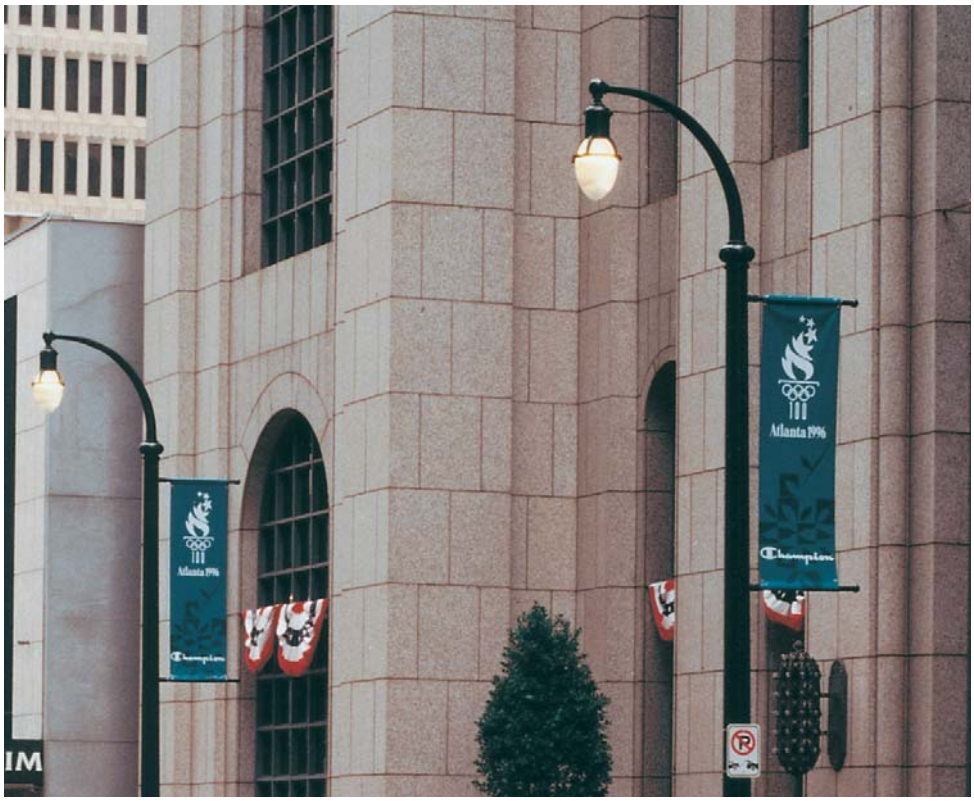
STEP 3: MATERIALS/FINISH

Cast Aluminum

CA/BK	Black (standard)
CA/DB	Dark bronze
CA/DG	Dark green
CA/CC	Custom color (special)
CA/PP	Prime painted

Decorative Roadway Arms





A collection of decorative roadway arms for use with decorative pendant-mount luminaires.

Typical Applications

- Historic Districts
- Parks
- Boulevards
- Campuses
- Walkways

Features

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

Ordering Information

How to Construct a Catalog Number

Example:

CAM	48	1	CA	BK
1	2	3	4	5
CROSSARM	LENGTH	QUANTITY	MATERIAL	FINISH
ATC BH CAM CVC ELC EVC GAC MGC OUC PSC SBS TLP VGC WLC	48 72 96 144 192	1 2	CA	BK DB DG CS CM

Catalog Number Information

STEP 1: CROSSARM

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

STEP 2: LENGTH

48	48″ single arm
72	72″ single arm
96	96″ double arm
96[1]	96″ single arm
144	144″ double arm
192[1]	192″ double arm

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

1 West Liberty only

STEP 3: QTY. OF FITTERS/LUMINAIRES

BH/CAM

1	Single arm
2	Double arm

WLC

1	One fitter
2	Two fitters

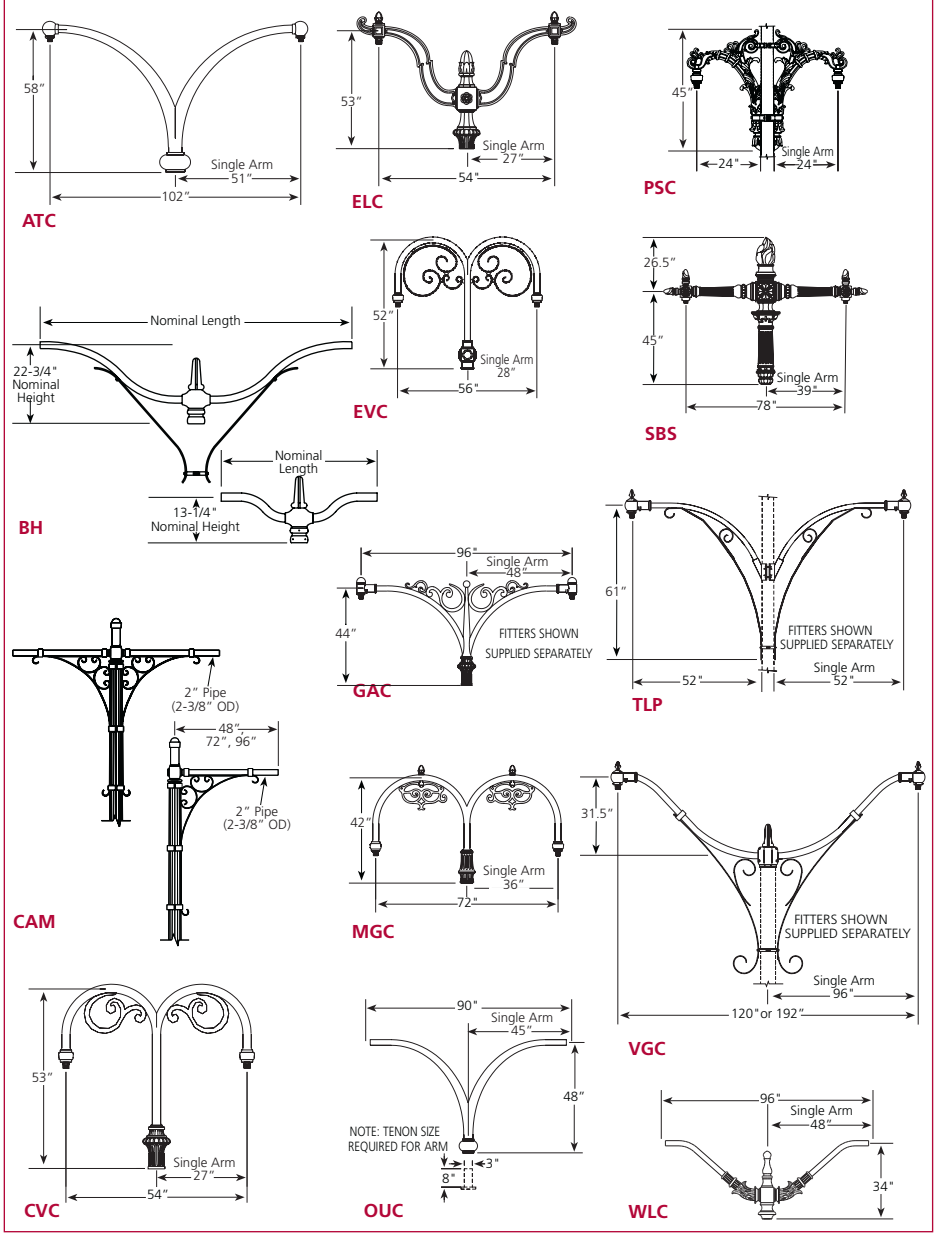
STEP 4: MATERIAL

CA	Cast aluminum

STEP 5: FINISH

BK	Black
DB	Bronze
DG	Dark green
CS	Custom select (RAL color)
CM	Custom match (customer sample)

STEP 1: CROSSARM



Aluminum Poles: Round, Hinged, Tapered and Straight

Simple aluminum poles are designed to support decorative post top luminaires for a practical, pleasant looking assembly.

Typical Applications

- Historic Districts
- Parks
- Boulevards
- Campuses
- Walkways

Features

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

Ordering Information

How to Construct a Catalog Number

Example:

0708	30504	T	H	TN3	B	LAB
1	2	3	4	5	6	7
POLE	SHAFT	SHAPE	BASE	TENON	FINISH	OPTIONS
0708	30504	S	3	TN3	AD	221792
0800	30505	T	4		AX	221806
0908	30506		H		B	220761
1000	40404				CC	220753
1108					NA	3DR12515
1200					SB	3TSR12515
1308					Z	3TDR12515
1400						3DR12520G
1508						HH
1600						LAB
1708						
1800						
1908						
2000						

Catalog Number Information

STEP 1: POLE TYPE AND HEIGHT

Round Tapered (Hinged)

0708	7′8″
0908	9′8″
1108	11′8″
1308	13′8″
1508	15′8″
1708	17′8″
1908[1]	19′8″

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

STEP 2: SHAFT DIAMETER/THICKNESS

	Top	Base	Wall
30504	3″	5″	.125″
30505	3″	5″	.156″
30506	3″	5″	.188″
	Shaft		**Wall**
40404	4″		.125″
50504	5″		.125″
50505	5″		.156″
50506	5″		.188″

STEP 3: SHAFT SHAPE

T Round Tapered Aluminum
S Round Straight Aluminum

STEP 4: BASE

H 4 Bolt Hinged Base
4 4 Bolt Anchor Base with Nut Covers, Handhole and Tenon
3 3 Bolt Anchor Base with Spun Aluminum Slip Over Base Cover, 1.5″ Wire access in Base and Tenon

STEP 5: TENON

TN3 2.875″ O.D. x 3″ High Tenon

STEP 6: 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

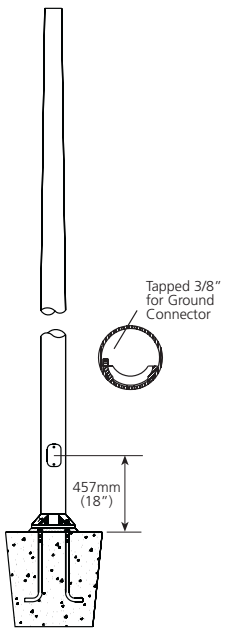
1 Duranodic 313

STEP 7: OPTIONS

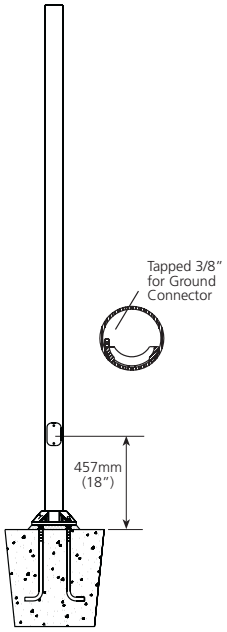
Festoon Outlet - 3 Prong

3DR12515[1] Duplex Receptacle
3TSR12515[1] Twist-off Single Receptacle
3TDR12515[1] Twist-off Duplex Receptacle
3DR12520G[2] Twist-off Duplex Receptacle
HH 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

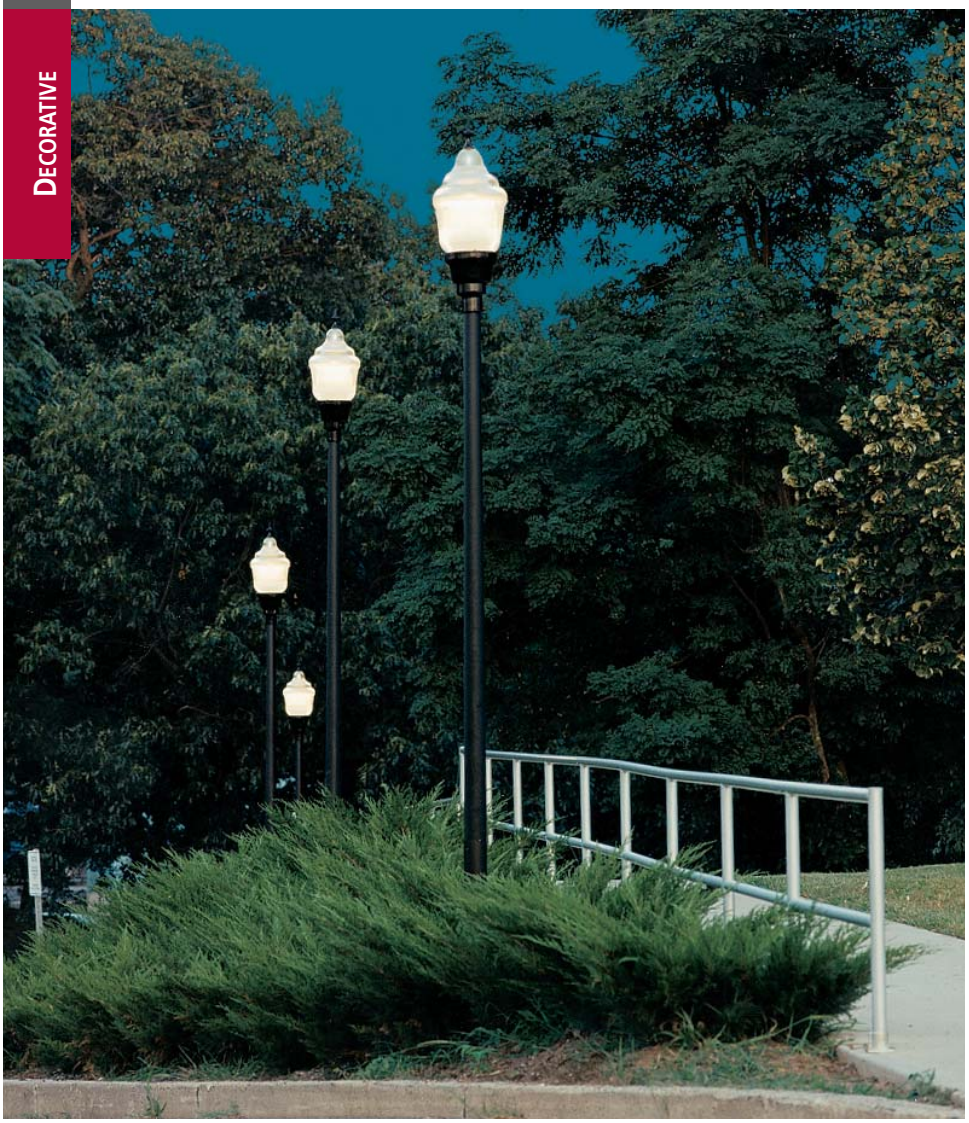


Tapered



Straight

Round Tapered Aluminum and Simple Aluminum Poles



Simple, tapered aluminum poles for anchor-based foundations or direct embedment mounting designed to support decorative post top luminaires.

Typical Applications

- Historic Districts
- Parks
- Boulevards
- Campuses
- Walkways

Features

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

Ordering Information

How to Construct a Catalog Number

Example:

1108	30504	T	E	SB	HH
1	2	3	4	5	6
POLE	SHAFT	SHAPE	BASE	FINISH	OPTIONS
0708 0908 1108 1308 1508 1708 1908	30404 30504 30505 30506	T	3 4 E P	AD AX B CC NA SB Z	221792 221806 220761 220753 3DR12515 3TSR12515 3TDR12515 3DR12520G HH LAB

Catalog Number Information

STEP 1: POLE TYPE AND HEIGHT

Round Tapered

0908	9'8"
1108	11'8"
1308	13'8"
1508	15'8"
1708	17'8"
1908[1]	19'8"

Simple Round Tapered

0708	7'8"
0908	9'8"
1108	11'8"
1308	13'8"
1508	15'8"
1708	17'8"
1908[1]	19'8"

1 3 Bolt only

STEP 2: SHAFT DIAMETER/THICKNESS

	Top	Base	Wall
30404[1]	3"	4"	.125"
30504[2]	3"	5"	.125"
30505[2]	3"	5"	.156"
30506	3"	5"	.188"

1 3' Embedded Depth on "E" Pole
2 4' Embedded Depth on "E" Pole

STEP 3: SHAFT SHAPE

T Tapered

STEP 4: BASE

Round Tapered

P 3 Bolt Pedestal with Handhole in Base
E Direct Embedment and Wire Entrance Below Grade

Simple Round Tapered

3 3 Bolt Anchor Base
4[1] 4 Bolt Anchor Base

1 Not available on "1908"

STEP 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

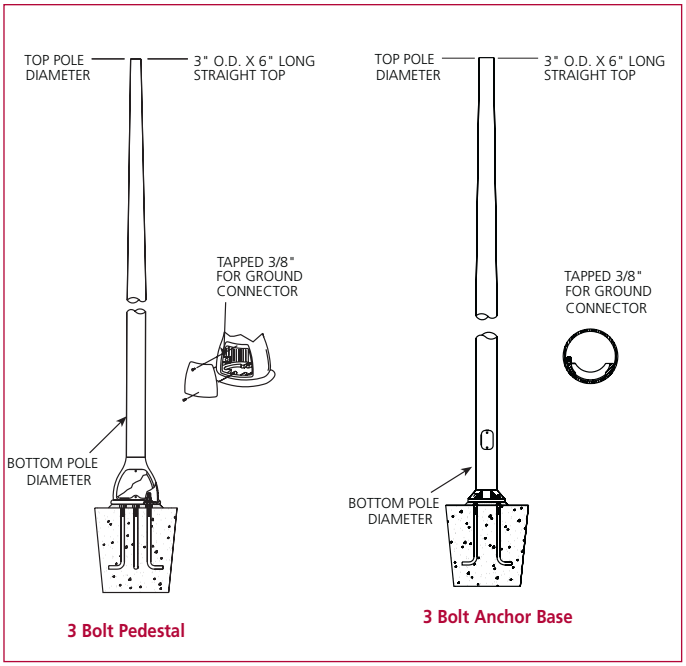
1 Duranodic 313

STEP 6: OPTIONS / ACCESSORIES

Festoon Outlet - 3 Prong

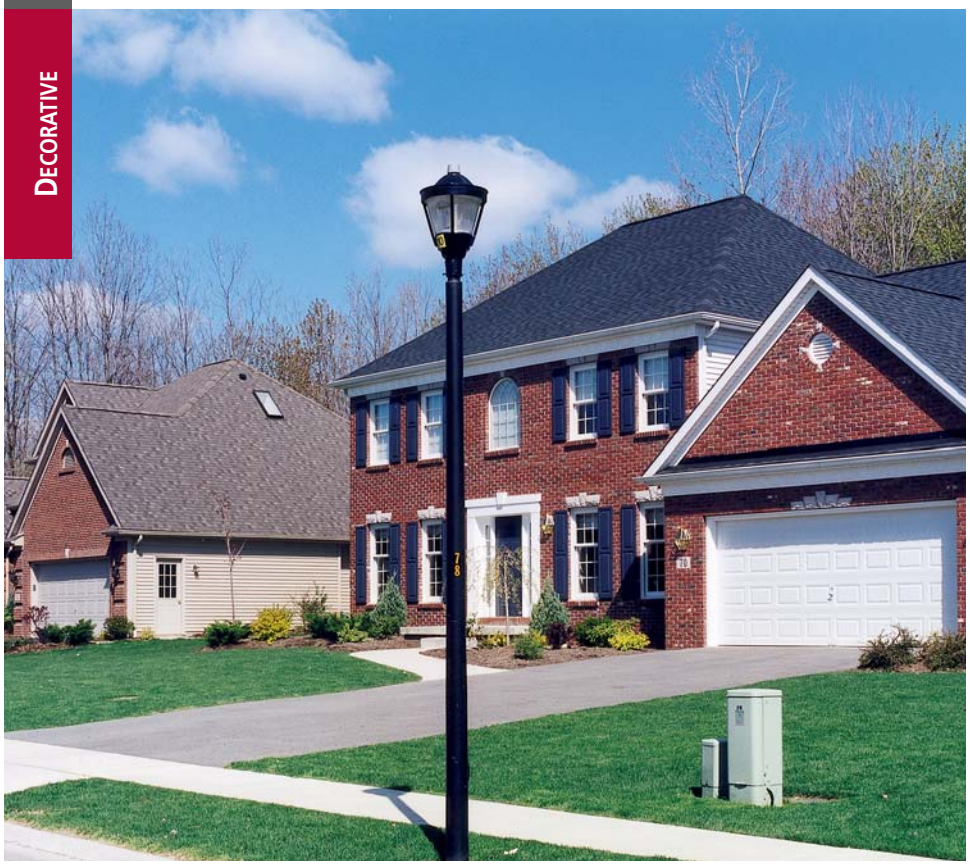
3DR12515[1]	Duplex Receptacle
3TSR12515[1]	Twist-off Single Receptacle
3TDR12515[1]	Twist-off Duplex Receptacle
3DR12520G[2]	Twist-off Duplex Receptacle
HH	Peripherally Reinforced Handhole in Shaft with Flush Cover
LAB	Less Anchor Bolts
221792	Square Cast Aluminum Interlocking Base Cover – 4" Poles
221806	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



3 Bolt Pedestal | 3 Bolt Anchor Base

Round Tapered Steel Poles



Simple, tapered steel poles for anchor-based foundations or direct embedment mounting designed to support decorative post top luminaires.

Typical Applications

- Historic Districts
- Parks
- Boulevards
- Campuses
- Walkways

Features

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

Ordering Information

How to Construct a Catalog Number

Example:

S	G	RT	12	J	LAB
1	2	3	4	5	6
MATERIAL	FINISH	SHAPE	POLE HEIGHT	BASE	OPTIONS
S	B CC G P Z	RT	10 12 14 16 18 20	E J	BC LAB

Catalog Number Information

STEP 1: MATERIAL

S	Round tapered steel

STEP 2: FINISH

B	Black Paint
CC	Custom Finish
G	Galvanized
P	Prime Painted
Z	Dark Bronze Paint

STEP 3: SHAFT SHAPE

RT	Round tapered

STEP 4: POLE HEIGHT

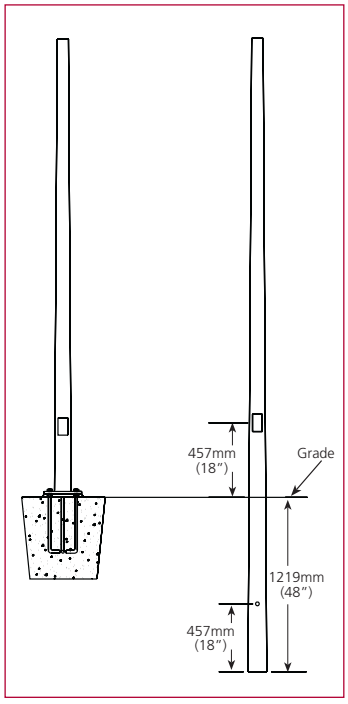
10	10′
12	12′
14	14′
16	16′
18	18′
20	20′

STEP 5: BASE

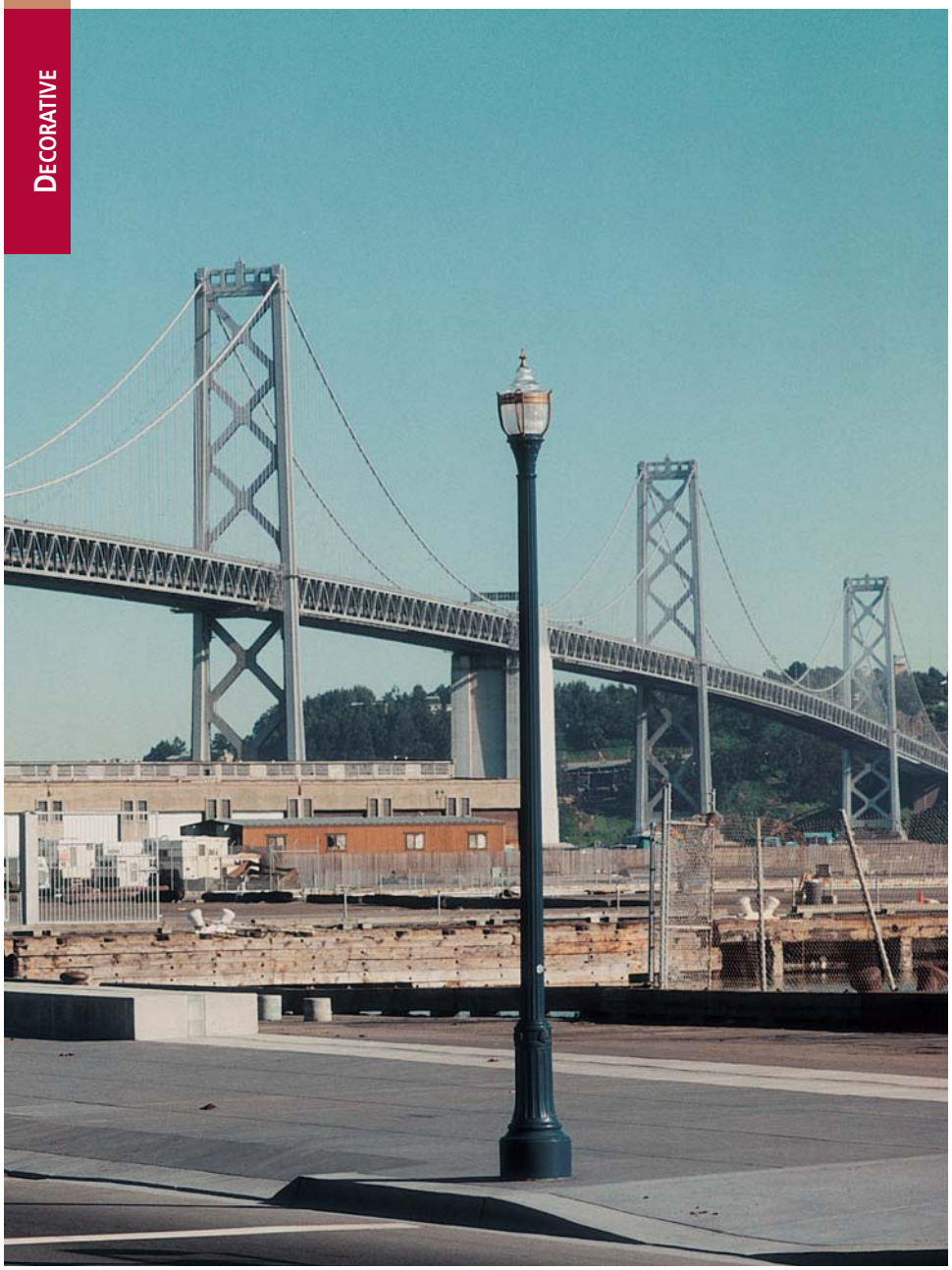
J	3 Bolt Anchor Base with Cap Nut and Handhole
E	4′ Direct Embedment with Wire Entrance Below Grade and Handholed

STEP 7: OPTIONS / ACCESSORIES

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



Clamshell Bases



A complete palette of decorative cast iron or select aluminum clamshell bases intended for use with tall, steel roadway poles.

Typical Applications

- Historic Districts
- Parks
- Boulevards
- Campuses
- Walkways

Features

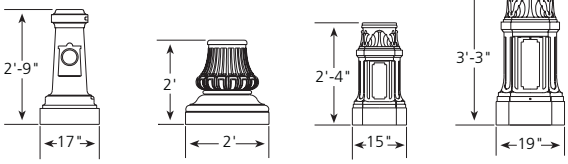
- Variety of styles
- Attractive, ornamental design
- Robust construction
- Cast aluminum construction
- Cast iron construction

Ordering Information

How to Construct a Catalog Number

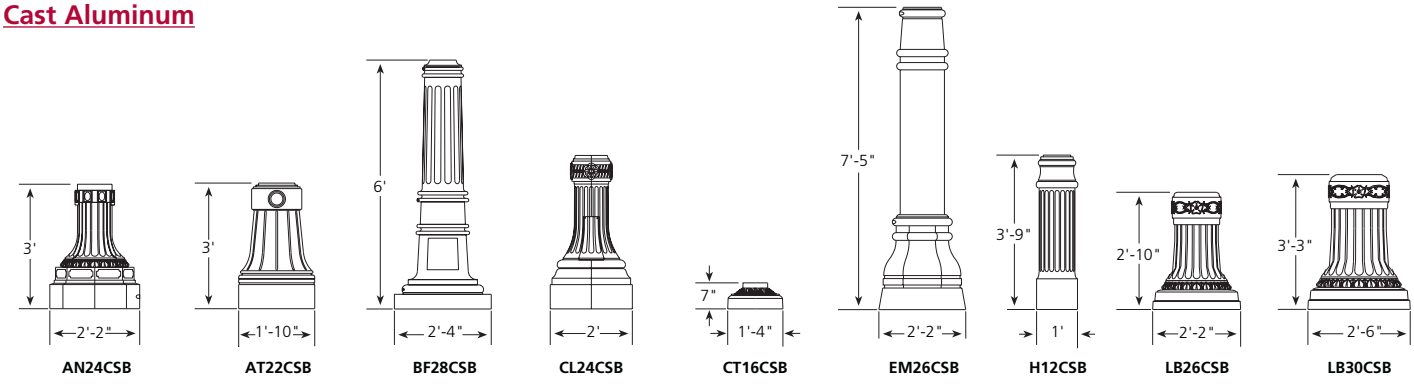
Base designs must be engineered for proper fit and structural integrity. Please contact your local factory sales representative for more details.

Cast Aluminum and Cast Iron

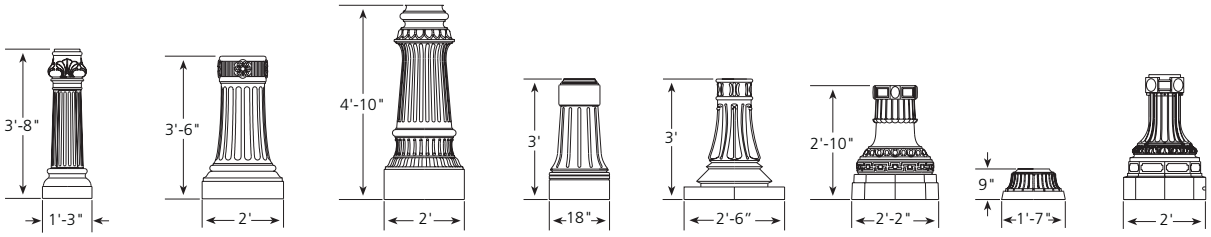


CM17CSB C24CSB DF15CSB DF19CSB

Cast Aluminum

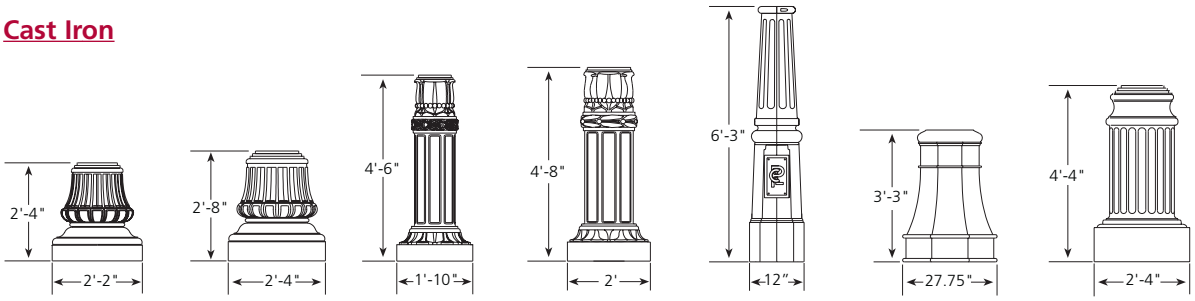


AN24CSB AT22CSB BF28CSB CL24CSB CT16CSB EM26CSB H12CSB LB26CSB LB30CSB

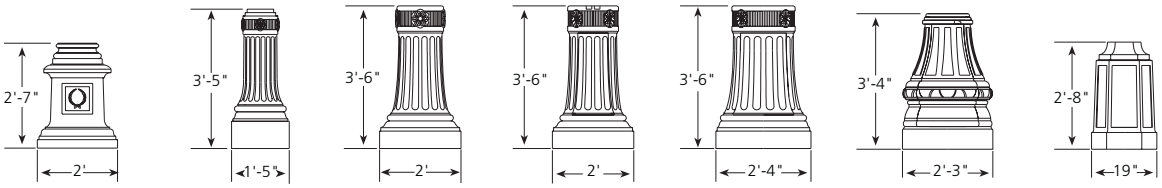


NG15CSB NY24CSB PHS24 PM18CSB PTFB30CSB SD24CSB SN19CSB SP24CSB

Cast Iron



C26CSB C28CSB CP22CSB CP24CSB DT16CSB EB28CSB H28CSB



LR24CSB NY17CSB NY24CSB NY24WNCSB NY28CSB RA27CSB SF20CSB

Custom Solutions

Holophane offers a wide variety of custom solutions that are available for your special architectural landscape design.

Decorative trim and medallions that can incorporate colors, letters and logos. Custom solutions for optics are available.

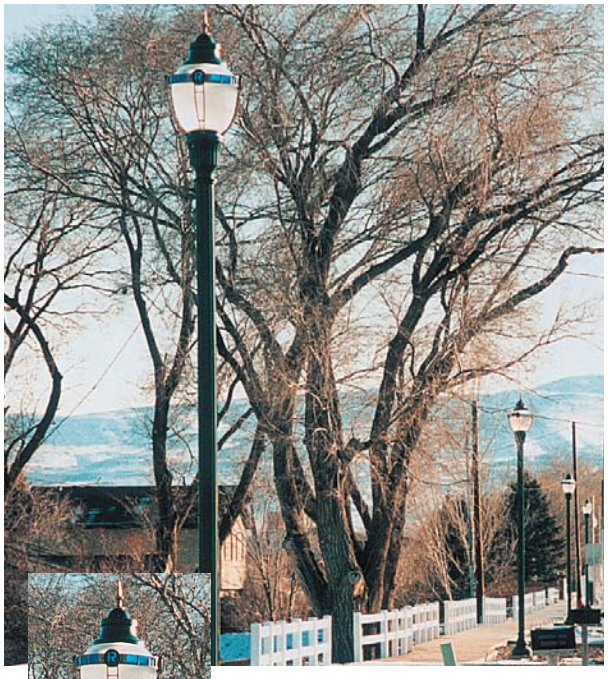
Is there a historical pole, base, arm, or crossarm that you want to have replicated? We can provide you with a custom solution that will fit your design.

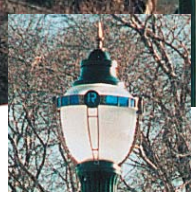
Project: Hollywood Boulevard; Hollywood, California
Tear Drop and Pedestrian Tear Drop luminaires on a custom arm and pole

Custom Optics Solutions

Project: Riverfront Revitalization; Columbus, Ohio
Prismasphere with custom glass optics designed specifically for this project

Project: San Francisco, California
Tear Drop luminaire with Atlanta optics and a custom blue glow top



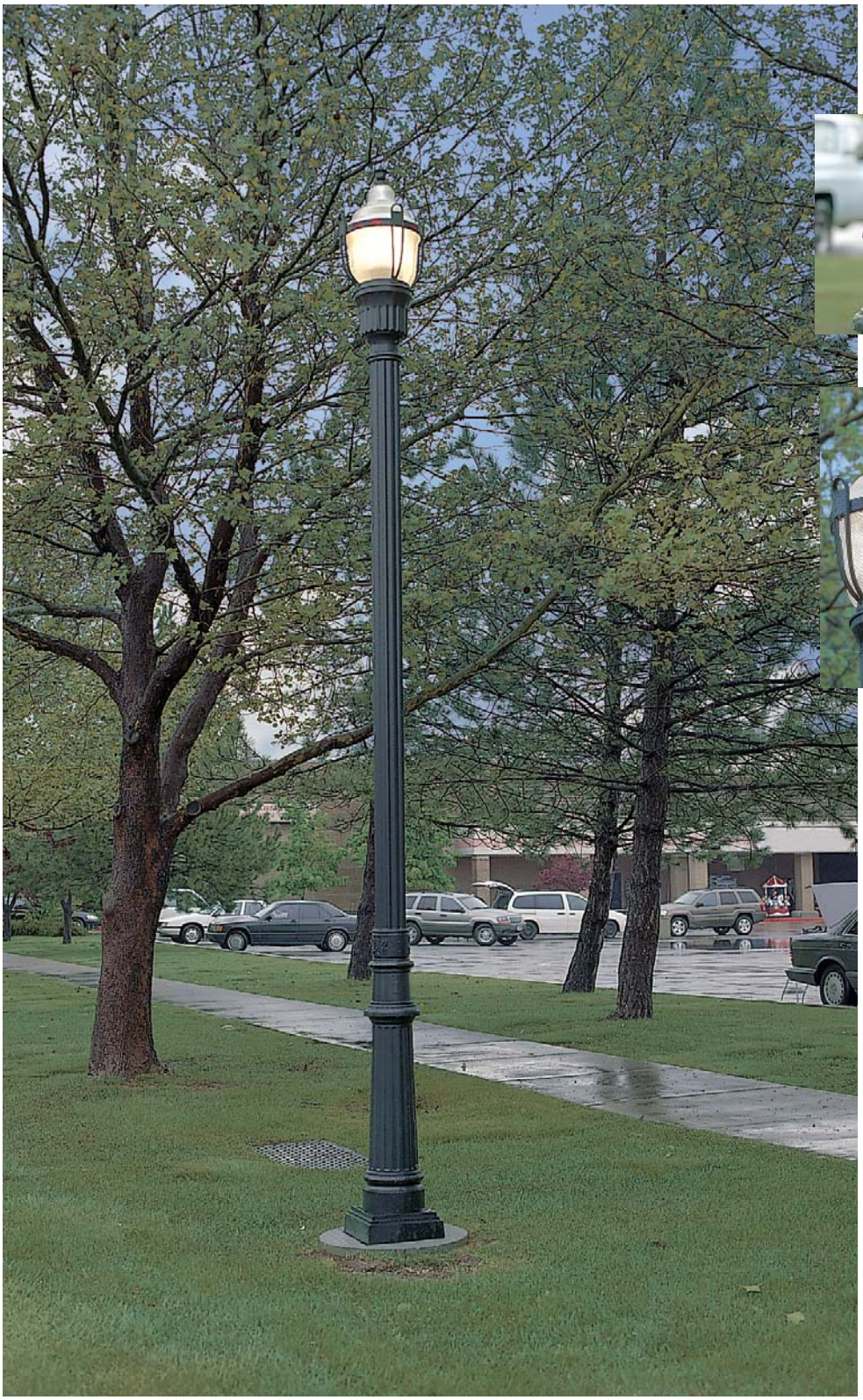


Project: Riverton, Colorado
Washington Postlite with custom "R" medallion

Custom Base and Pole Solutions

Project: Comerica Park; Detroit, Michigan
Custom crossarms and poles designed to replicate an existing historical pole and crossarms

Project: 1996 Olympics; Atlanta, Georgia
Custom arms and bases



Project: Rose Park; Salt Lake City, Utah
Custom rose medallion and fluted post with "Rose Park" custom collar and base.

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Residential

Utility

Colonial

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.

Hg

Information sources regarding lamp recycling and disposal are included on the packaging of most mercury-containing lamps and also can be located at www.lamp recycle.org.

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