

JOB NAME: _____
 TYPE: _____
 PART #: _____
 NOTES: _____

EasyLED Round Dome Bollards

L70
25°C **147,000 Hours**

Certification & Listings:



The PLEPG EasyLED Bollards with choice of optics and lenses and lenses are designed to replace HID lighting systems up to 70w MH or HPS. These fixtures are ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities.

Specifications and Features:

Housing:
 Extruded Aluminum Housing with Flush Mounting Base & Vandal-Resistant Screws, Domed Top, Internal Ballast Tray for Easy Maintenance. Bollards Can Be Cut to Custom Lengths Upon Request.

Listing & Ratings:
 CSA: Listed for Wet Locations, ANSI/UL 1598, 8750; IP65 Sealed LED Compartment.

Finish:
 Textured Architectural Bronze or Black Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

Style:
 Clear Prismatic Borosilicate Glass Refractor, Specially Designed Cone Reflector or Internal Louvers

Lens:
 Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens or SoftLED LumaLens UV-Stabilized Polycarbonate Opal Vandal-Resistant Lens

Mounting Options:
 Mounting Kit with 8" Zinc-Plated Anchor Bolts, Included.

EasyLED LED:
 Aluminum Boards

Wattage:
 Array: 10w, System: 11.3w; (70w HID Equivalent)
 Array: 14.5w, System: 17w; (70w HID Equivalent)
 Array: 22w, System: 23.8w; (70w HID Equivalent)

Driver:
 Electronic Driver, 120-277V, 50/60Hz or 347V, 50/60Hz (15w Only); Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

Controls:
 Fixtures Ordered with Factory-Installed Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with PLEPG Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

Warranty:
 5-Year Warranty for -40°C to +40°C Environment.

See Page 4 for Projected Lumen Maintenance Table.



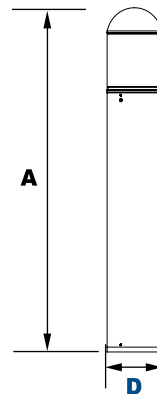
NEW Soft Shine Low Glare White Cone Reflector
 Daytime View Nighttime View



Glass BOGQ **LED Cone Reflector with Glare Shield BORLQ** **Louvers BOLQ**



SoftLED LumaLens Opal Array Lens **Shown with "S3" Sensor** **Shown with GFCI**



Dimensions

| | |
|---------------------|----------------|
| Diameter (D) | 7" (178mm) |
| Height (A) | 42¼" (1,073mm) |

Specifications subject to change without notice. Rev. 021721

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Order Information Example:

BORLQF1X22U5KZ36SF

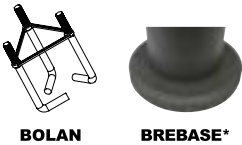
| Model | Optics | Wattage | Driver | CCT | Lens | Color | Height | Options |
|---|---|--|---|--|--|---|--|---|
| PBORWQ =Round Dome Bollard with Soft Shine Low Glare White Cone Reflector PBORLQ =Round Dome Bollard with LED Cone Reflector PBOGQ =Round Dome Bollard with Glass PBOLQ =Round Dome Bollard with Louvers | C =Type III* F =Wide Beam Spread *BORWQ, BORLQ & BOGQ only | 1X10 =10w 1X15 =15w 1X22 =22w | U =120-277V C =347V* *15w Model Only | 3K =3000K 4K =4000K 5K =5000K | (Leave Blank) = Clear Lens L =SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens* *Type V White Cone Reflector Only | Z =Bronze B =Black C =Custom (Consult Factory) | (Leave Blank) = 42" Standard Height 36 =36" Height 30 =30" Height | SF =Single Fuse* DF =Double Fuse* SP =Surge Protection GF1 =GFCI Outlet, 15A, 120V GSB =180° Glare Shield, Black GSZ =180° Glare Shield, Bronze GSC =180° Glare Shield, Custom Color (Consult Factory) S3 =Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See P17121 Spec. Page for Details. BU =Battery Backup, 90 Minutes* BUC =Cold Start Battery Backup, -20°C, 90 Minutes* *120-277V Models Only. |

Accessories & Replacement Parts:

Mounting Accessories (Order Separately, Field Installed)

- BOLAN4** Mounting Kit, Includes Bracket & Three (3) 4" Zinc-Plated Anchor Bolts
- BOLAN8** Mounting Kit, Includes Bracket & Three (3) 8" Zinc-Plated Anchor Bolts
- BOLAN12** Mounting Kit, Includes Bracket & Three (3) 12" Zinc-Plated Anchor Bolts
- BOLAN15** Mounting Kit, Includes Bracket & Three (3) 15" Zinc-Plated Anchor Bolts
- BREBASE*** Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all PLEPG Bollards. Die Cast with Powdercoat Finish, Hardware Included. 1 1/2" Dia. x 1 1/2" H

*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)



*Shown Mounted

Accessories (Order Separately, Field Installed)

- P17122** Remote Programming Tool for P17121



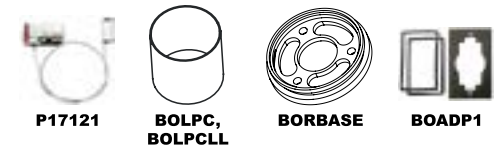
P17122

Replacement Parts (Order Separately, Field Installed)

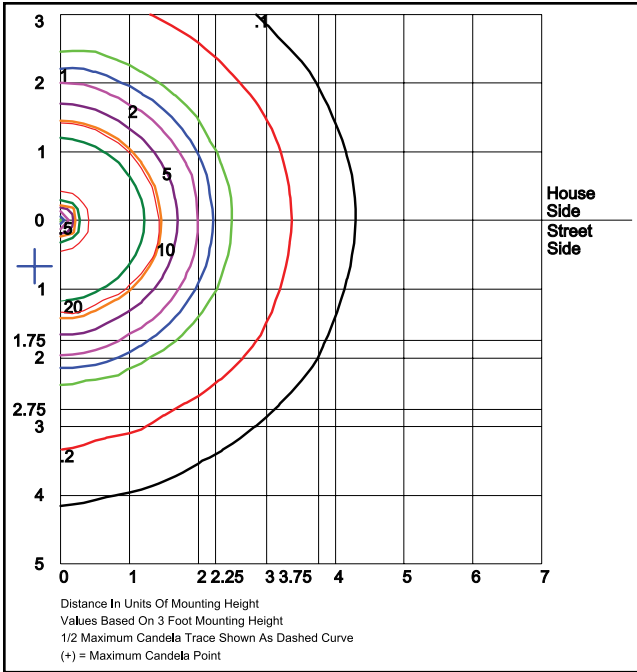
- P17121** Internal Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See P17121 Spec. Page for Details.
- BOLPC** Replacement Round UV-Stabilized Polycarbonate Vandal-Resistant Lens
- BOLPCLL** Replacement SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens
- BORBASE*** Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating.
- BOADP1** Adapter Plate with Gaskets for Outlet Boxes. Fits PLEPG Round Bollards. Die Cast with Bronze Powdercoat Finish.

*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)

For Replacement Battery Backup, see the PLEPG LED Battery Backup Specification Sheet.

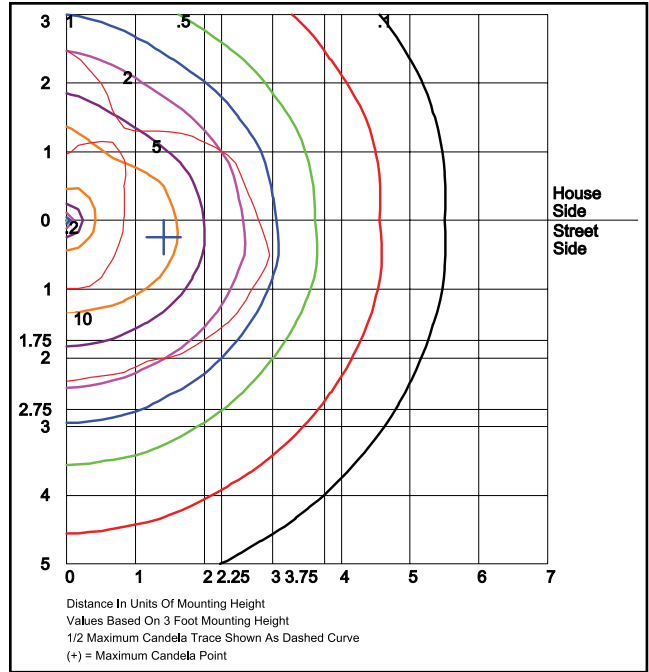


Photometric Data



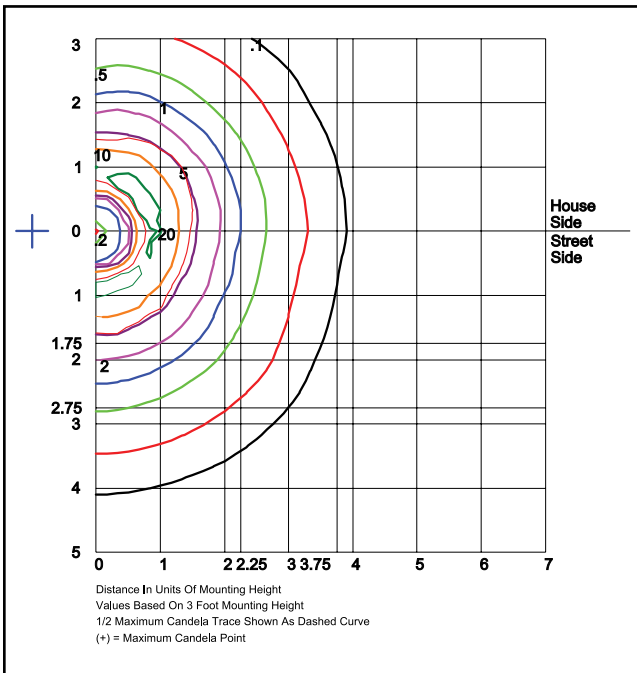
PBORWQF1X22U5K & PBORLQF1X22U5K

Type V
 Grid in feet, Mounting Height = 3 ft.



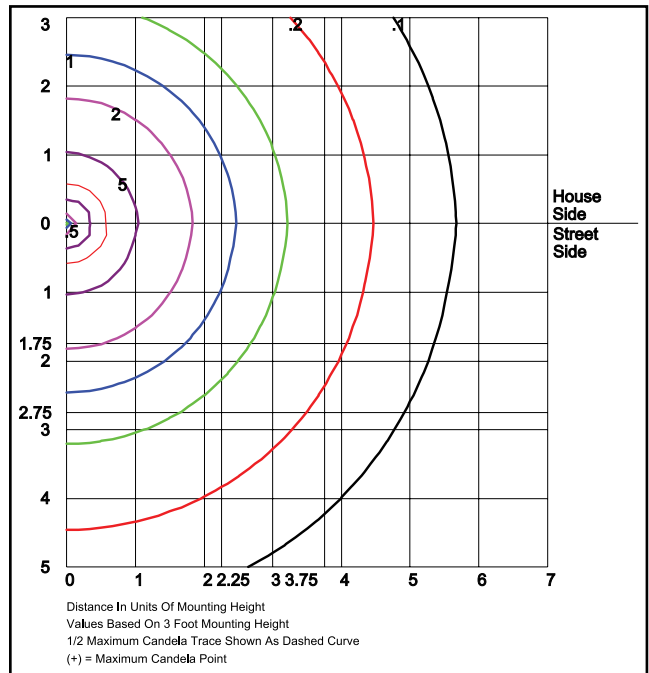
PBOGQC1X22U5K

Type III
 Grid in feet, Mounting Height = 3 ft.



PBOLQF1X22U5K

Type V
 Grid in feet, Mounting Height = 3 ft.



PBORWQF1X22U5KL, LumaLens

Type V
 Grid in feet, Mounting Height = 3 ft.

Photometric Performance

| Wattage (Catalog Logic) | | 10W (1X22) | 15W (1X15) | 20W (1X22) |
|--|------------|------------------|---------------|---------------|
| Input Watts | | 11.3W | 15.9W | 23.8W |
| Optic | CCT | Delivered Lumens | | |
| PBORWQ & PBORLQ Cone Reflector C=Type III Optic | 3000K | 738 | 1,033 | 1,549 |
| | 4000K | 800 | 1,120 | 1,680 |
| | 5000K | 834 | 1,167 | 1,750 |
| | BUG Rating | B0-U2-G1 | B1-U3-G1 | B1-U3-G1 |
| PBORWQ & PBORLQ Cone Reflector F=Type V Optic | 3000K | 1,031 | 1,444 | 2,165 |
| | 4000K | 1,119 | 1,566 | 2,349 |
| | 5000K | 1,165 | 1,631 | 2,447 |
| | BUG Rating | B1-U3-G1 | B1-U3-G1 | B1-U3-G1 |
| PBOGQ Glass C=Type III Optic | 3000K | 789 | 1,105 | 1,657 |
| | 4000K | 856 | 1,199 | 1,798 |
| | 5000K | 892 | 1,249 | 1,873 |
| | BUG Rating | B1-U3-G1 | B1-U3-G1 | B1-U3-G1 |
| PBOGQ Glass F=Type V Optic | 3000K | 773 | 1,082 | 1,622 |
| | 4000K | 838 | 1,173 | 1,760 |
| | 5000K | 873 | 1,222 | 1,833 |
| | BUG Rating | B1-U3-G1 | B1-U3-G1 | B1-U3-G1 |
| PBOLQ Louvers F=Type V Optic Only | 3000K | 521 | 730 | 1,094 |
| | 4000K | 565 | 791 | 1,187 |
| | 5000K | 589 | 824 | 1,236 |
| | BUG Rating | B0-U2-G0 | B1-U2-G1 | B1-U3-G1 |

Projected Lumen Maintenance

| Data shown for 5000 CCT | | Compare to MH | | | | |
|---|--------------------------------------|---------------|------------|------------|-------------|---------------------|
| TM-21-11 | Input Watts | Initial | 25,000 Hrs | 50,000 Hrs | 100,000 Hrs | Calculated LED Life |
| L70 Lumen Maintenance @ 25°C / 77°F | All wattages up to and including 24w | 1.00 | 0.95 | 0.90 | 0.80 | 147,000 |
| L70 Lumen Maintenance @ 50°C / 122°F | | 1.00 | 0.89 | 0.78 | 0.55 | 67,000 |
| L80 Lumen Maintenance @ 40°C / 104°F | | 1.00 | 0.92 | 0.85 | 0.70 | 66,000 |

- NOTES:**
1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 116mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
 2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.