

CONA, TEFA, LUVO

PC Amber Round Dome Bollards

L70
25°C **147,000 Hours**



**Glass
BOGQ**



**LED Cone Reflector
BORLQ**



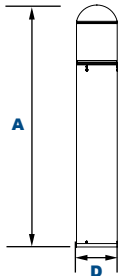
**Shown with "S3"
Sensor**



Shown with GFCI



**Louvers
BOLQ**



Dimensions

| | |
|---------------------|-------------------|
| Diameter (D) | 7" (178mm) |
| Height (A) | 42 1/4" (1,073mm) |

The CONA, TEFA, and LUVO PC Amber Bollards are designed to provide a direct 1-to-1 replacement for 35w Low Pressure Sodium (LPS) lighting systems.

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

Mounting Options:

Mounting Kit with 8" Anchor Bolts, Included.

PC Amber LED:

Aluminum Boards

Wattage:

Array: 15w, System: 16.5w; (35w SOX LPS Replacement)

Driver:

Electronic Driver, 120-277V, 50/60Hz; 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.

Warranty:

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

See Page 2 for Projected Lumen Maintenance Table.

Order Information Example:

AF33XBORLQF1X15UHAZ36SF

| Model | Optics | Wattage | Driver | CCT | Color | Height | Options |
|--|----------------------------|------------------|--------------------|--------------------------|---|---|--|
| BOGQ =HiLumen Amber Round Dome Bollard with Glass BORLQ =HiLumen Amber Round Dome Bollard with LED Cone Reflector BORWQ =HiLumen Amber Round Dome Bollard with White LED Cone Reflector BOLQ =HiLumen Amber Round Dome Bollard with Louvers | F =Wide Beam Spread | 1X15 =15w | U =120-277V | HA =HiLumen Amber | Z =Bronze B =Black C =Custom (Consult Factory) | (Leave Blank) =42" Standard Height 36 =36" Height 30 =30" Height | SF =Single Fuse (120-277V Only) DF =Double Fuse (120-277V Only) 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 =Internal Microwave Sensor (120-277V Only) BU =Battery Backup, 90 Minutes |

Project Information:

Project Name: _____ Fixture Type: _____

Complete Catalog #: _____ Date: _____

Comments: _____

Certification & Listings:



Accessories & Replacement Parts:



| Mounting Accessories (Order Separately, Field Installed) | |
|---|---|
| AF33XBOLAN4 | Mounting Kit, Includes Bracket & Three (3) 4" AnchorBolts |
| AF33XBOLAN8 | Mounting Kit, Includes Bracket & Three (3) 8" AnchorBolts |
| AF33XBOLAN12 | Mounting Kit, Includes Bracket & Three (3) 12" AnchorBolts |
| AF33XBOLAN15 | Mounting Kit, Includes Bracket & Three (3) 15" AnchorBolts |
| AF33XBREBASE* | Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all AF Bollards. Die Cast with Powdercoat Finish, Hardware Included. 11 1/2" Dia. x 1 1/2" H |

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

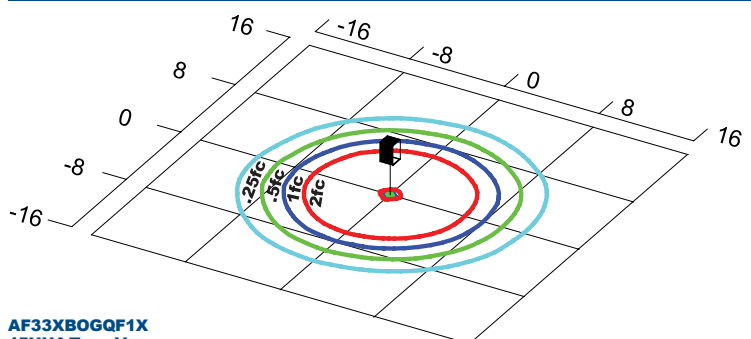
| Accessories (Order Separately, Field Installed) | |
|--|-------------------------|
| AF33XP17122 | Remote Programming Tool |

| Replacement Parts (Order Separately, Field Installed) | |
|--|---|
| AF33XP17121 | Internal Microwave Sensor (120-277V Only) |
| AF33XBOLPC | Replacement Round UV-Stabilized Polycarbonate Vandal-Resistant Lens |
| AF33XBORBASE* | Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating. |
| AF33XBOADP1 | Adapter Plate with Gaskets for Outlet Boxes. Fits Round Bollards. Die Cast with Bronze Powdercoat Finish. |

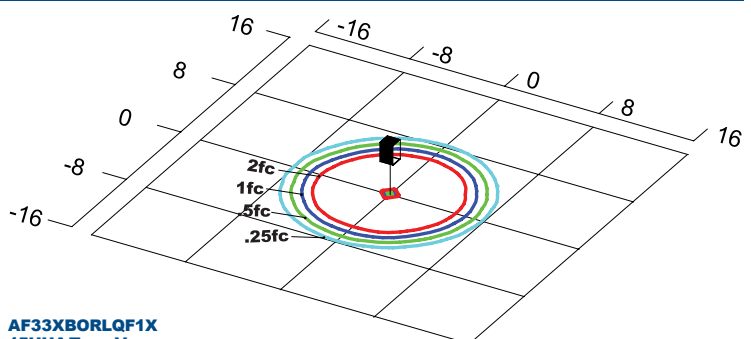
*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)

*Shown Mounted

Photometric Data



AF33XBQG1X 15UHA Type V
Grid in feet, Mounting Height=3.5 ft.

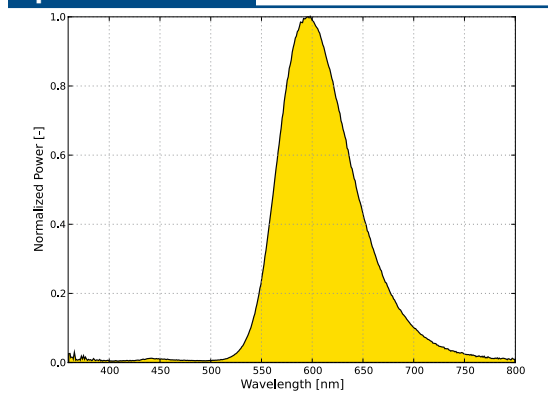


AF33XBORLQ1X 15UHA Type V
Grid in feet, Mounting Height=3.5 ft.

Photometric Performance

| LED Board Watts | Drive Current (mA) | Input Watts | Optics | HiLumen Amber | | | | |
|-----------------|--------------------|-------------|-----------------|---------------|-----|---|---|---|
| | | | | Lumens | LPW | B | U | G |
| PC Amber 15w | 116 | 17 | Glass | 883 | 52 | 1 | 3 | 1 |
| | | | Louvers | 595 | 35 | 0 | 2 | 0 |
| | | | Cone Reflectors | 1,178 | 69 | 1 | 3 | 1 |

Spectral Chart



Projected Lumen Maintenance

| Data shown for HiLumen Amber | | | Compare to LPS | | | |
|---|-------------|---------|----------------|------------|-------------|----------------------|
| TM-21-11 | Input Watts | Initial | 25,000 Hrs | 50,000 Hrs | 100,000 Hrs | Calculated L70@ 25°C |
| L70 Lumen Maintenance @ 25°C / 77°F | 17 | 1.00 | 0.95 | 0.90 | 0.80 | 147,000 |
| TM-21-11 | Input Watts | Initial | 25,000 Hrs | 50,000 Hrs | 100,000 Hrs | Calculated L70@ 50°C |
| L70 Lumen Maintenance @ 50°C / 122°F | 17 | 1.00 | 0.89 | 0.78 | 0.55 | 67,000 |
| TM-21-11 | Input Watts | Initial | 25,000 Hrs | 50,000 Hrs | 100,000 Hrs | Calculated L80@ 40°C |
| L80 Lumen Maintenance @ 40°C / 104°F | 17 | 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 LPS box indicates suggested Light Loss Factor (LLF) to be used when comparing to Low Pressure Sodium (LPS) systems.