

CONA, TEFA, LUVO

PC Amber Round Flat Bollards

L70
25°C **147,000 Hours**



Glass
AF33X
BOFGQ



LED Cone Reflector
AF33XBOFRLQ



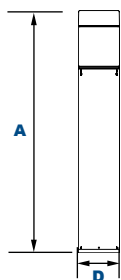
Shown with "S3"
Sensor



Shown with
GFCI



Louvers
AF33X
BOFLQ



Dimensions

Diameter (D)	7" (178mm)
Height (A)	41 5/8" (1,057mm)

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, Flat 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:

AF33XBOFRLQF1X15UHAZ36SF

Model	Optics	Wattage	Driver	CCT	Color	Height	Options
AF33XBOFGQ =HiLumen Amber Round Flat Top Bollard with Glass	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
AF33XBOFRLQ =HiLumen Amber Round Flat Top Bollard with LED Cone Reflector							
AF33XBOFRWQ =HiLumen Amber Round Flat Top Bollard with White LED Cone Reflector							
AF33XBOFLQ =HiLumen Amber Round Flat Top Bollard with Louvers							

Project Information:

Project Name: _____ Fixture Type: _____

Complete Catalog #: _____ Date: _____

Comments: _____

Certification & Listings:



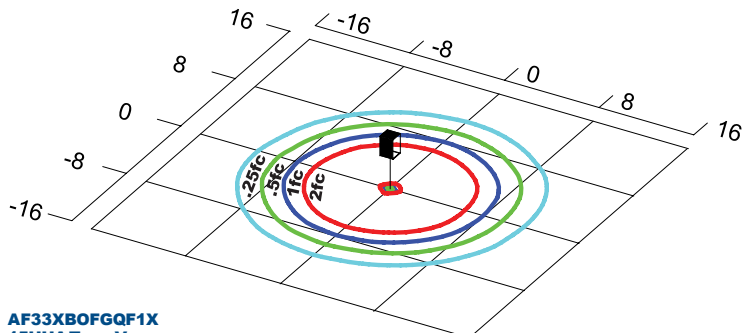
Accessories & Replacement Parts:



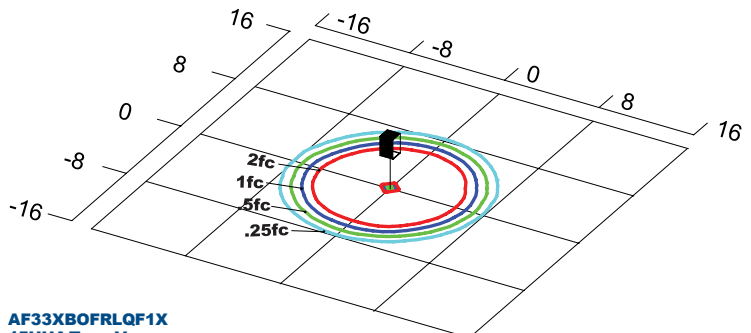
Mounting Accessories (Order Separately, Field Installed)	Accessories (Order Separately, Field Installed)	Replacement Parts (Order Separately, Field Installed)
AF33XBOLAN4 Mounting Kit, Includes Bracket & Three (3) 4" AnchorBolts	AF33XP17122 Remote Programming Tool	AF33XP17121 Internal Microwave Sensor (120-277V Only)
AF33XBOLAN8 Mounting Kit, Includes Bracket & Three (3) 8" AnchorBolts		AF33XBOLPC Replacement Round UV-Stabilized Polycarbonate Vandal-Resistant Lens
AF33XBOLAN12 Mounting Kit, Includes Bracket & Three (3) 12" AnchorBolts		AF33XBORBASE* Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating.
AF33XBOLAN15 Mounting Kit, Includes Bracket & Three (3) 15" AnchorBolts		AF33XBOADP1 Adapter Plate with Gaskets for Outlet Boxes. Fits Round Bollards. Die Cast with Bronze Powdercoat Finish.
AF33XBREBASE* Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all AF 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)
*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)		

*Shown Mounted

Photometric Data



AF33XBOFGQF1X
15UHA Type V
Grid in feet, Mounting Height=3.5 ft.

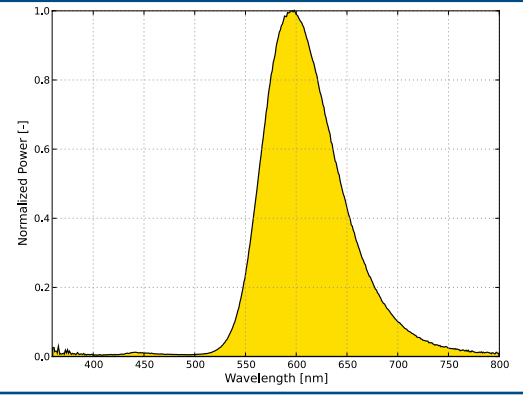


AF33XBOFRLQF1X
15UHA Type V
Grid in feet, Mounting Height=3.5 ft.

Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	HiLumen Amber				
				Lumens	LPW	B	U	G
PC Amber 15w	116		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.