

TEFA, CONA & LUVO Round Dome Top Bollards

L70
25°C **147,000 Hours**

The TEFA, CONA & LUVO Round Dome Top Bollards with choice of optics 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:

IES Type III or V Clear Prismatic Borosilicate Glass Refractor, Specially Designed Aluminum Cone Reflector or Internal Louvers

Lens:

Clear Polycarbonate Vandal-Resistant Lens

Mounting Options:

Mounting Kit with 8" Anchor Bolts, Included.

LED:

Aluminum Boards

Wattage:

Array: 14.5w, System: 17w; (70w HID Equivalent)

Driver:

Electronic Driver, 120-277V, 50/60Hz or 347V, 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.



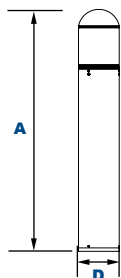
IES Type III & V Glass
AF33XBOG3Q &
AF33XBOG5Q



LED Cone Reflector
Shown with Glare Shield
AF33XBORLQ



Louvers
AF33XBOLQ



Dimensions

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

Order Information Example:

AF33XBOG3QF1X15U5KZ36SF

Model	Optics	Wattage	Driver	CCT	Color	Height	Options
AF33XBOG3Q =Round Dome Bollard with IES Type III Glass AF33XBOG5Q =Round Dome Bollard with IES Type V Glass AF33XBORLQ =Round Dome Bollard with LED Cone Reflector AF33XBOLQ =Round Dome Bollard with Louvers	C =Type III* F =Wide Beam Spread *AF33XBORLQ Only	1X15 =15w	U =120-277V C =347V	3K =3000K 4K =4000K 5K =5000K	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 BU =Battery Backup, 90 Minutes

Project Information:

Project Name: _____ Fixture Type: _____

Complete Catalog #: _____ Date: _____

Comments: _____

Certification & Listings:

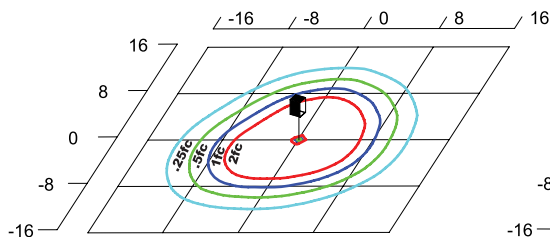


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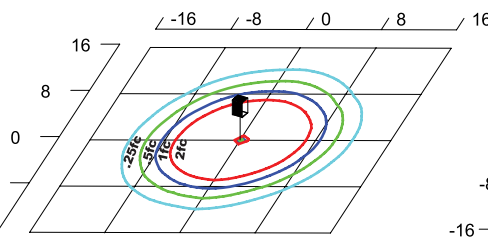
L70
25°C

147,000 Hours

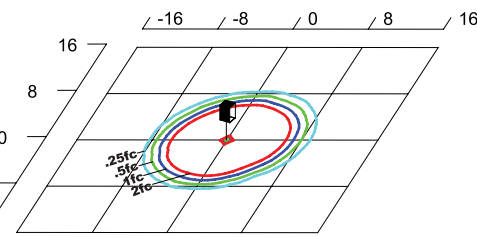
Photometric Data



AF33XBOFG3QF1X15U5K Type V Grid in feet, Mounting Height = 3.5 ft.



AF33XBOFG5QF1X15U5K Type V Grid in feet, Mounting Height = 3.5 ft.



AF33XBOFRLQF1X15U5K Type V Grid in feet, Mounting Height = 3.5 ft.

Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	5000 CCT 80 CRI					4000 CCT 80 CRI					3000 CCT 80 CRI				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
15w	116	17	BOG3 Type III Glass	1,156	68	1	3	1	1,110	65	1	3	1	1,023	60	1	3	1
			BOG5 Type V Glass	1,132	67	1	3	1	1,086	64	1	3	1	905	53	1	3	1
			BOL Louvers	763	45	1	2	1	733	43	1	2	1	675	40	1	2	1
			BORL Cone Reflector	1,510	89	1	3	1	1,450	85	1	3	1	1,225	72	1	3	1
			BORL Type III Optic	1,081	64	0	3	1	989	58	0	2	1	918	54	0	2	1

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 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 MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.