AccessFixtures
High-Performance Lighting Solutions

High-Performance Lighting Solution

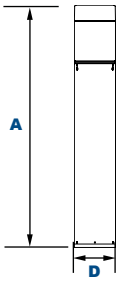
TEFA, CONA & LUVO Round Flat Top Bollards

L70 25°C — **147,000 Hours**

IES Type III & V Glass
AF33XBOFG3Q &
AF33XBOFG5Q

LED Cone Reflector
Shown with Glare Shield
AF33XBOFRLQ

Louvers
AF33XBOFLQ



Dimensions	
Diameter (D)	7″ (178mm)
Height (A)	41⅝″ (1,057mm)

The TEFA, CONA & LUVO Round Flat 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, 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:
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.

Order Information Example: AF33XBOFG3QF1X15U5KZ36SF

Model	Optics	1X15 Wattage	Driver	CCT	Color	Height	Options
AF33XBOFG3Q=Round Flat Top Bollard with IES Type III Glass **AF33XBOFG5Q**=Round Flat Top Bollard with IES Type V Glass **AF33XBOFRLQ**=Round Flat Top Bollard with LED Cone Reflector **AF33XBOFLQ**=Round Flat Top Bollard AF33Xwith Louvers	**C**=Type III* **F**=Wide Beam Spread *AF33XBOFRLQ 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:

IP65

Specifications subject to change without notice. Rev. 043018

40 Jackson Street • Worcester, MA 01608 • Phone: (800) 468-9925
For more information visit our website at www.accessfixtures.com

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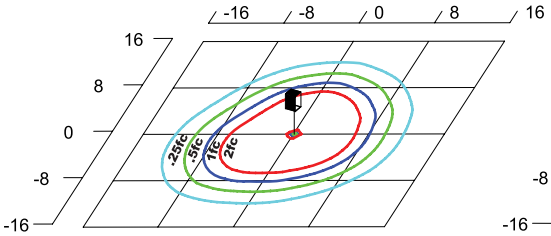
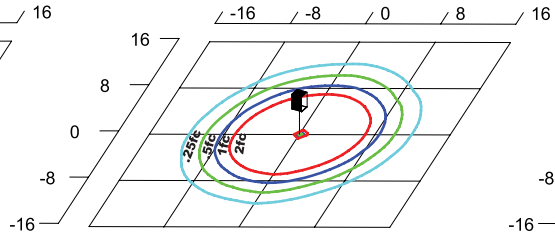
L70 25°C 147,000 Hours

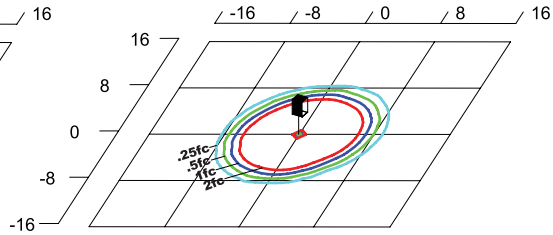
Photometric Data



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



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



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

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	BOFG3 Type III Glass	1,152	68	1	3	1	1,106	65	1	3	1	1,020	60	1	3	1
			BOFG5 Type V Glass	1,125	66	1	3	1	1,080	64	1	3	1	905	53	1	3	1
			BOFL Louvers	778	46	1	2	1	747	44	1	2	1	689	41	1	2	1
			BOFRL Cone Reflector	1,519	89	1	3	1	1,458	86	1	3	1	1,225	72	1	3	1
			BOFRL 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.

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