



AmberLED Square Flat Bollards

L70
25°C **147,000 Hours**



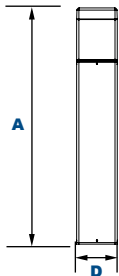
IES Type III & V Glass
BOSFG3Q & BOSFG5Q



LED Cone Reflector
BOSFRLQ



Square Louvers
BOSFLSQ



Dimensions

Length (D)	7" (177mm)
Height (A)	41 1/8" (1,051mm)

AmberLED Bollards with choice of optics are designed to replace HID lighting systems up to 70w MH or HPS for wildlife or security applications requiring monochromatic AMBER light. LEDs operate between 585 and 595 nm, greater than 560nm required for wildlife protection. 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.

AmberLED:

Aluminum Boards

Wattage:

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

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.

AmberLED

Order Information Example:

BOSFRLQF1X15UAMZ36SF

	F	1X15	U	AM			
Model	Optics	Wattage	Driver	CCT	Color	Height	Options
BOSFG3Q =Square Flat Bollard with IES Type III Glass BOSFG5Q =Square Flat Bollard with IES Type V Glass BOSFRLQ =Square Flat Bollard with LED Cone Reflector BOSFLSQ =Square Flat Bollard with Square Louvers	F =Wide Beam Spread	1X15 =15w	U =120-277V	AM =Amber	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 BU =Battery Backup, 90 Minutes

Project Information:

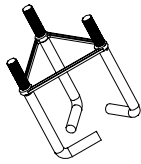
Project Name: _____ Fixture Type: _____
 Complete Catalog #: _____ Date: _____
 Comments: _____

Certification & Listings:

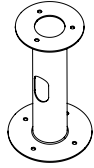




Accessories & Replacement Parts:



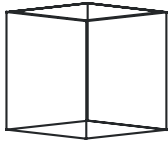
BOLAN



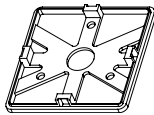
BOLRM



BREBASE*



BOLPCS



BOSEBASE

*Shown Mounted

Mounting Accessories (Order Separately, Field Installed)

BOLAN4	Mounting Kit, Includes Bracket & Three (3) 4" Anchor Bolts
BOLAN8	Mounting Kit, Includes Bracket & Three (3) 8" Anchor Bolts
BOLAN12	Mounting Kit, Includes Bracket & Three (3) 12" Anchor Bolts
BOLAN15	Mounting Kit, Includes Bracket & Three (3) 15" Anchor Bolts
BOLRM	Root Mount Kit
BREBASE*	Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all LEPC 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)

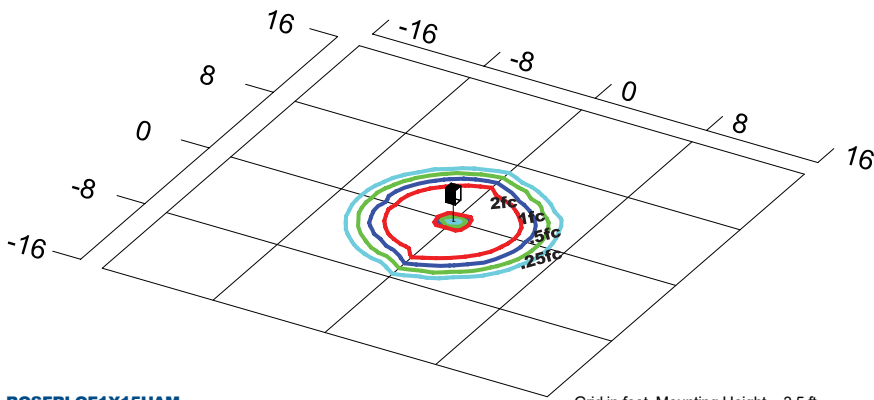
Replacement Parts (Order Separately, Field Installed)

BOLPCS	Replacement Square Polycarbonate Vandal-Resistant Lens
BOSEBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating.

*Specify Color: Z=Bronze, B=Black

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

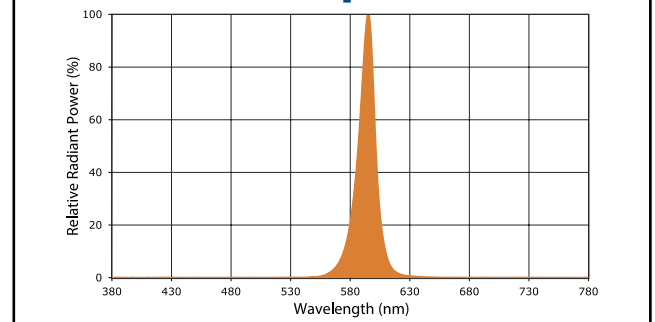
Photometric Data



BOSFRLQF1X15UAM
Type V

Grid in feet, Mounting Height = 3.5 ft.

Amber LED - Spectral Chart



Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	Amber LEDs				
				Lumens	LPW	B	U	G
AmberLED 15w	116	17	BOSFG3 Type III Glass	277	16	0	2	0
			BOSFG5 Type V Glass	270	16	0	2	0
			BOSFL Louvers	187	11	0	1	0
			BOSFRL Cone Reflector	360	21	0	2	0

Projected Lumen Maintenance

Data shown for Amber LEDs			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.