

AmberLED Square Flat Bollards

FXBOSFRWQ, FXBOSFRLQ, FXBOSFGQ & FXBOSFLQ



AMBERLED • SOFTLED • BOLLARD • PATHWAY LIGHTING

The FX Lighting AmberLED Square Flat Bollards are designed to replace HID lighting systems up to 70w MH or HPS for wildlife, dark skies, or security applications requiring monochromatic AMBER light. LEDs operate between 585 and 595nm, 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.

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 Cone Reflector or Internal Louvers

LENS:

Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens or SoftLED LumaLens UV-Stabilized Polycarbonate Opal Vandal-Resistant Lens

MOUNTING OPTIONS:

Mounting Kit with 8" Zinc-Plated Anchor Bolts, Included.

AMBERLED LED:

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.

CONTROLS:

Fixtures Ordered with Factory-Installed Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with FX Lighting Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

LIFESPAN:

L70>147,000 Hours

WARRANTY:

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

See Page 3 for Projected Lumen Maintenance Table.



LED Cone Reflector
FXBOSFRLQ

IES Type III & V Glass
FXBOSFG3Q &
FXBOSFG5Q

Louvers
FXBOSFLQ

AVAILABLE OPTIONS:

New Soft Shine Low Glare White Cone Reflector



Daytime View

Nighttime View

(Dome Top Shown for Visual Concept)



SoftLED LumaLens
Opal Array Lens



Shown with GFCI



Shown with
"S5" Sensor



PROJECT INFORMATION:

Project Name: _____ Fixture Type: _____

Complete Catalog #: _____ Date: _____

Comments: _____

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We have custom and standard manufacturing options. Use this form to build your part number or reach out to our sales team for assistance.

GET YOUR PRODUCTS FASTER WITH OUR QUICK SHIP PROGRAM

Multiple USA locations = 98-3-1 Quick Ship Program
98% Fill Rate – 3 Day Lead Time – 1 Piece Minimum Order

ORDER EXAMPLE

FXBOSFRLQ	F	1X15	U	AM	L	Z	36	SF
Series	Optics	Wattage	Driver	CCT	Lens	Color	Height	Options

ORDER CONFIGURATION

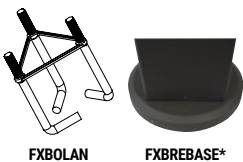
Series	Optics	Wattage	Driver	CCT	Lens	Color	Height	Options
FXBOSFRWQ =Square Flat Bollard with Soft Shine Low Glare White Cone Reflector FXBOSFRLQ =Square Flat Bollard with LED Cone Reflector FXBOSFG3Q =Square Flat Bollard with IES Type III Glass FXBOSFG5Q =Square Flat Bollard with IES Type V Glass FXBOSFLQ =Square Flat Bollard with Louvers	F =Wide Beam Spread	1X15 =15w	U =120-277V	AM =1400K	(Leave Blank)=Clear Lens L =SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens* *White Cone Reflector Only	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 PC3 =Photocell, 120-277VAC S5 =Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See FXP17125 Spec. Page for Details. BU =Battery Backup, 90 Minutes* BUC =Cold Start Battery Backup, -20°C, 90 Minutes* *120-277V Models Only.
	F	1X15	U	AM				

Mounting Accessories

(Order Separately, Field Installed)

Options	Description
FXBOLAN4	Mounting Kit, Includes Bracket & Three (3) 4" Zinc-Plated Anchor Bolts
FXBOLAN8	Mounting Kit, Includes Bracket & Three (3) 8" Zinc-Plated Anchor Bolts
FXBOLAN12	Mounting Kit, Includes Bracket & Three (3) 12" Zinc-Plated Anchor Bolts
FXBOLAN15	Mounting Kit, Includes Bracket & Three (3) 15" Zinc-Plated Anchor Bolts
FXBREBASE*	Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all FX Lighting 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)



*Shown Mounted

Accessories

(Order Separately, Field Installed)

Options	Description
FXP17126	Remote Programming Tool for FXP17125



FXP17126

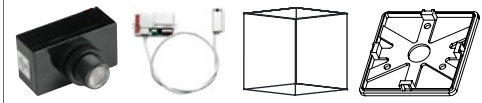
Replacement Parts

(Order Separately, Field Installed)

Options	Description
FXP18103	120-277VAC Photocell
FXP17125	Internal Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See FXP17125 Spec. Page for Details.
FXBOLPCS	Replacement Square UV-Stabilized Polycarbonate Vandal-Resistant Lens
FXBOSPCLL	Replacement SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens
FXBOSBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating.

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

For Replacement Battery Backup, see the FX Lighting LED Battery Backup Specification Sheet.



FXP18103

FXP17125

FXBOLPCS, FXBOSPCLL

FXBOSBASE

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AMBER SQUARE FLAT BOLLARD PHOTOMETRIC DATA

Wattage (Catalog Logic)		14.5W (1X15)
Input Watts		17W
Optic	CCT	Delivered Lumens
FXBOSFRWQ & FXBOSFRLQ Cone Reflector	Amber	360
	BUG Rating	B0-U2-G0
FXBOSFG3Q Type III Glass	Amber	277
	BUG Rating	B0-U2-G0
FXBOSFG5Q Type V Glass	Amber	272
	BUG Rating	B0-U2-G0
FXBOSFLQ Louvers	Amber	187
	BUG Rating	B0-U1-G0

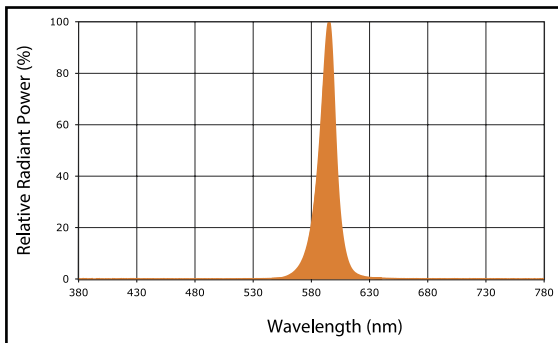
AMBER SQUARE FLAT BOLLARD PROJECTED LUMEN MAINTENANCE

Data shown for Amber LEDs				Compare to MH		
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
L70 Lumen Maintenance @ 25°C / 77°F	17	1.00	0.95	0.90	0.80	147,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.89	0.78	0.55	67,000
L80 Lumen Maintenance @ 40°C / 104°F		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 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.

AMBER SQUARE FLAT BOLLARD SPECTRAL CHART



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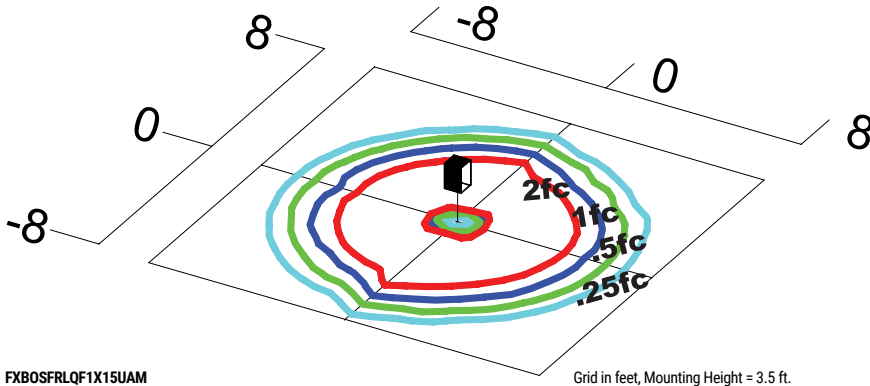
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AMBER SQUARE FLAT BOLLARD DISTRIBUTION



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Information provided is subject to change. Please verify all details with FX Lighting. All values are designed to standard industry values when measured under laboratory conditions, and FX Lighting makes no warranty or guarantee, expressed or implied, that such performance will be obtained under end-use conditions.

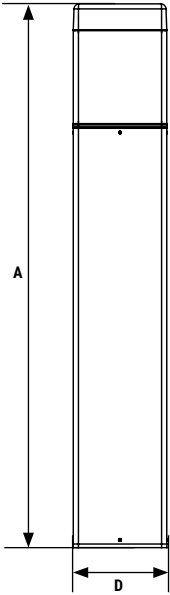
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AMBER SQUARE FLAT BOLLARD DIMENSIONAL DATA



Square Flat Bollard Dimensions

Length ² (D)	7" (178mm)
Height (A)	42 $\frac{1}{4}$ " (1,073mm)