

EasyLED Square Flat Bollards

FXBOSFRWQ, FXBOSFRLQ, FXBOSFGQ & FXBOSFLQ



SOFTLED • BOLLARD • PATHWAY LIGHTING

The FX Lighting EasyLED Square Flat Bollards with choice of optics and lenses 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.

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

MOUNTING OPTIONS:

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

EASYLED LED:

Aluminum Boards

WATTAGE:

Array: 10w, System: 11.3w; (70w HID Equivalent)
 Array: 14.5w, System: 17w; (70w HID Equivalent)
 Array: 22w, System: 23.8w; (70w HID Equivalent)

DRIVER

Electronic Driver, 120-277V, 50/60Hz or 347V, 50/60Hz (15w Only); 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



Glass
FXBOSFGQ



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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SQUARE FLAT BOLLARD PHOTOMETRIC DATA

Wattage (Catalog Logic)	10W (1X10)	14.5W (1X15)	22W (1X22)	
	Input Watts	11.3W	17W	23.8W
Optic	CCT	Delivered Lumens		
FXBOSFRWQ & FXBOSFRLQ Cone Reflector C-Type III Optic	3000K	738	1,033	1,549
	4000K	800	1,120	1,680
	5000K	834	1,167	1,750
	BUG Rating	B0-U2-G1	B1-U3-G1	B1-U3-G1
FXBOSFRWQ & FXBOSFRLQ Cone Reflector F-Type V Optic	3000K	1,037	1,452	2,178
	4000K	1,125	1,575	2,362
	5000K	1,172	1,641	2,461
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U3-G1
FXBOSFGQ Glass C-Type III Optic	3000K	787	1,101	1,652
	4000K	853	1,195	1,792
	5000K	889	1,245	1,867
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U3-G1
FXBOSFGQ Glass F-Type V Optic	3000K	768	1,076	1,613
	4000K	833	1,167	1,750
	5000K	868	1,215	1,823
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U3-G1
FXBOSFLQ Louvers F-Type V Optic Only	3000K	531	744	1,116
	4000K	576	807	1,211
	5000K	600	841	1,261
	BUG Rating	B0-U2-G0	B1-U2-G1	B1-U3-G1

SQUARE FLAT BOLLARD 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 LED Life
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 24w	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.

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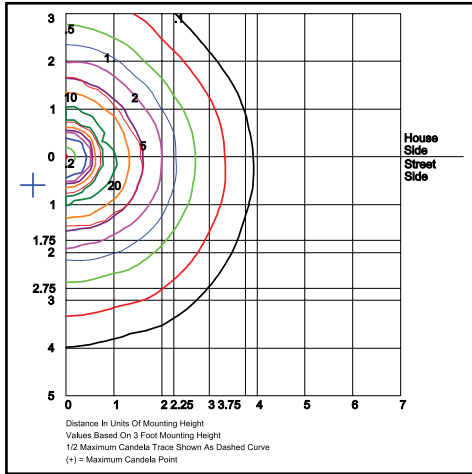
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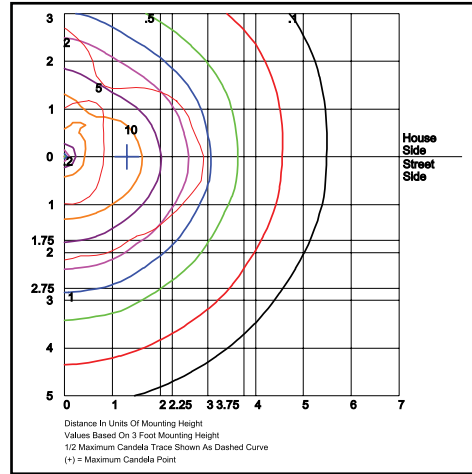


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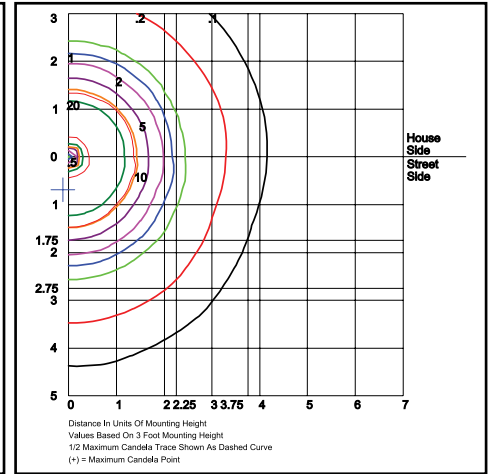
SQUARE FLAT BOLLARD DISTRIBUTION



FXBOSFRWQF1X22U5K & FXBOSFRLQF1X22U5K
Type V
 Grid in feet, Mounting Height = 3 ft.



FXBOSFGQC1X22U5K
Type III
 Grid in feet, Mounting Height = 3 ft.



FXBOSFLQF1X22U5K
Type V
 Grid in feet, Mounting Height = 3 ft.

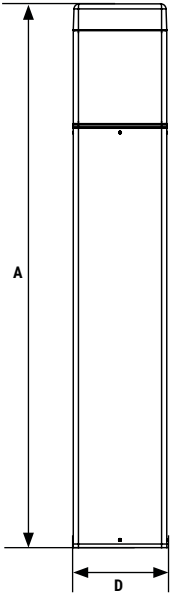
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SQUARE FLAT BOLLARD DIMENSIONAL DATA



Square Flat Bollard Dimensions

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