

Spec Grade  
**PROlite** LED Lighting

A Division of Emergensee® Lighting, Inc.

TYPE: \_\_\_\_\_ DATE: \_\_\_\_\_

JOB NAME: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

CATALOG NO: \_\_\_\_\_

NOTES: \_\_\_\_\_

## EasyLED Square Flat Bollards



The LEPG EasyLED 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:** Clear Prismatic Borosilicate Glass Refractor, Specially Designed Cone Reflector or Internal Louvers

**Lens:** Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens

**Mounting Options:** Mounting Kit with 8" Anchor Bolts, Included.

**EasyLED 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.

**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 LEPG Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

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



**Glass  
PBOSFGQ**



**LED Cone  
Reflector  
PBOSFRLQ**



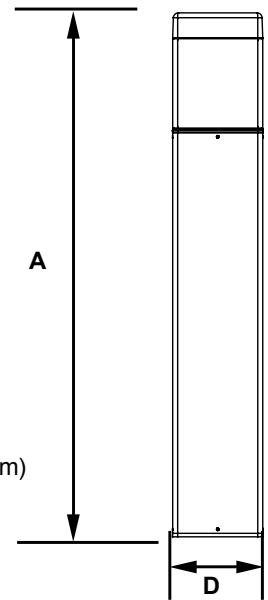
**Square  
Louvers  
PBOSFLSQ**



**Shown with  
"S3" Sensor**



**Shown with  
GFCI**



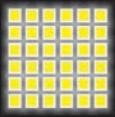
### Dimensions

**Length (D)** 7" (177mm)

**Height (A)** 41 1/8" (1,051mm)

### Order Information:

Model	Optics	Wattage	Driver	CCT	Color	Height	Options
		<b>1X15=15w</b>					
<b>PBOSFGQ</b> =Square Flat Bollard with Glass	<b>C</b> =Type III* <b>F</b> =Wide Beam Spread	<b>1X15=15w</b>	<b>U</b> =120-277V <b>C</b> =347V	<b>3K</b> =3000K <b>4K</b> =4000K <b>5K</b> =5000K	<b>Z</b> =Bronze <b>B</b> =Black <b>C</b> =Custom (Consult Factory)	<b>(Leave Blank)</b> = 42" Standard Height <b>36</b> =36" Height <b>30</b> =30" Height	<b>SF</b> =Single Fuse (120-277V Only) <b>DF</b> =Double Fuse (120-277V Only) <b>SP</b> =Surge Protection <b>GF1</b> =GFCI Outlet, 15A, 120V <b>S3</b> =Internal Microwave Sensor (120-277V Only) <b>BU</b> =Battery Backup, 90 Minutes
<b>PBOSFRLQ</b> =Square Flat Bollard with LED Cone Reflector	*ABOSFGQ, ABOSFRLQ and ABOSFRWQ only						
<b>PBOSFRWQ</b> =Square Flat Bollard with White LED Cone Reflector							
<b>PBOSFLSQ</b> =Square Flat Bollard with Square Louvers							



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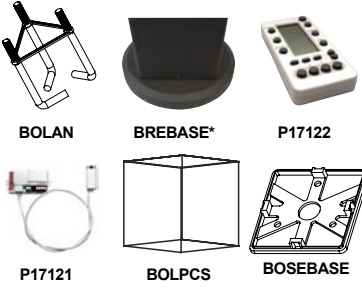
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NOTES: \_\_\_\_\_

**Accessories & Replacement Parts:**



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
BREBASE*	Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all LEPCG 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)

Accessories (Order Separately, Field Installed)	
P17122	Remote Programming Tool for P17121

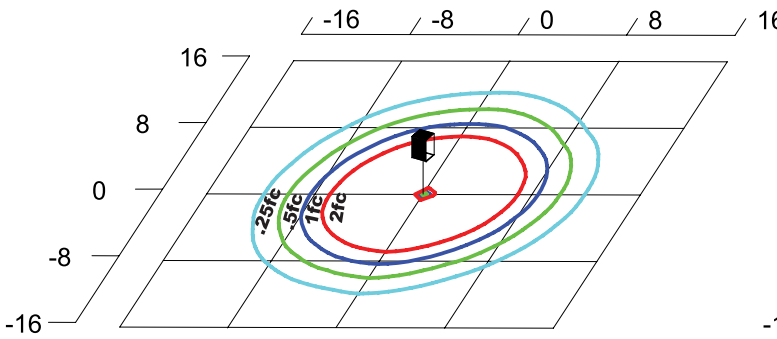
Replacement Parts (Order Separately, Field Installed)	
P17121	Internal Microwave Sensor (120-277V Only)
BOLPCS	Replacement Square UV-Stabilized Polycarbonate Vandal-Resistant Lens
BOSBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating.

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

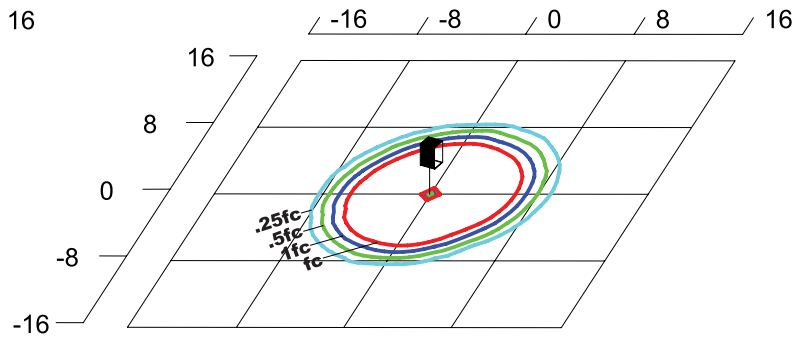
For Replacement Battery Backup, see the LEPCG LED Battery Backup Specification Sheet.

\*Shown Mounted

**Photometric Data**



PBOSFGQF1X15U5K  
Type V  
Grid in feet, Mounting Height = 3.5 ft.



PBOSFRLQF1X15U5K  
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
EasyLED 15w	116	17	BOSFG Glass	1,125	66	1	3	1	1,080	64	1	3	1	996	56	1	3	1
			Cone Reflectors	1,519	89	1	3	1	1,458	86	1	3	1	1,223	72	1	3	1
			Reflectors/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.