

EasyLED-Square-Flat-Bollards



The 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.

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

Listing & Ratings:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750; IP65 Sealed LED Compartment.

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



NEW Soft Shine Low Glare White Cone Reflector
Daytime View Nighttime View
(Dome Top Shown for Visual Concept)



Glass BOSFGQ



LED Cone Reflector BOSFRLQ



Square Louvers BOSFLSQ



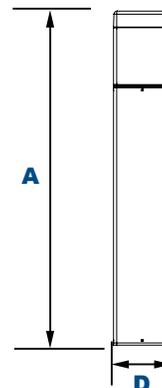
SoftLED LumaLens Opal Array Lens



Shown with "S5" Sensor



Shown with GFCI



Dimensions

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

Model	Optics	Wattage	Driver	CCT	Lens	Color	Height	Options
ABOSFRWQ =Square Flat Bollard with Soft Shine Low Glare White Cone Reflector ABOSFRLQ =Square Flat Bollard with LED Cone Reflector ABOSFGQ =Square Flat Bollard with Glass ABOSFLSQ =Square Flat Bollard with Square Louvers	C =Type III* F =Wide Beam Spread <i>*Not Available on ABOSFLSQ</i>	1X10 =10w 1X15 =15w 1X22 =22w	U =120-277V C =347V* *15w Model Only	3000K 4000K 5000K	(Leave Blank) =Clear Lens L =SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens* *Type V 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. See P17125 Spec. Page for Details.* BU =Battery Backup, 90 Minutes* BUC =Cold Start Battery Backup, -20°C, 90 Minutes* *120-277V Models Only.

Accessories & Replacement Parts:

Mounting Accessories (Order Separately, Field Installed)	
BOLAN4	Mounting Kit, Includes Bracket & Three (3) 4" Zinc-Plated Anchor Bolts
BOLAN8	Mounting Kit, Includes Bracket & Three (3) 8" Zinc-Plated Anchor Bolts
BOLAN12	Mounting Kit, Includes Bracket & Three (3) 12" Zinc-Plated Anchor Bolts
BOLAN15	Mounting Kit, Includes Bracket & Three (3) 15" Zinc-Plated Anchor Bolts
BREBASE*	Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all LEPG 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)	
P17126	Remote Programming Tool for P17125
<p>P17126</p>	

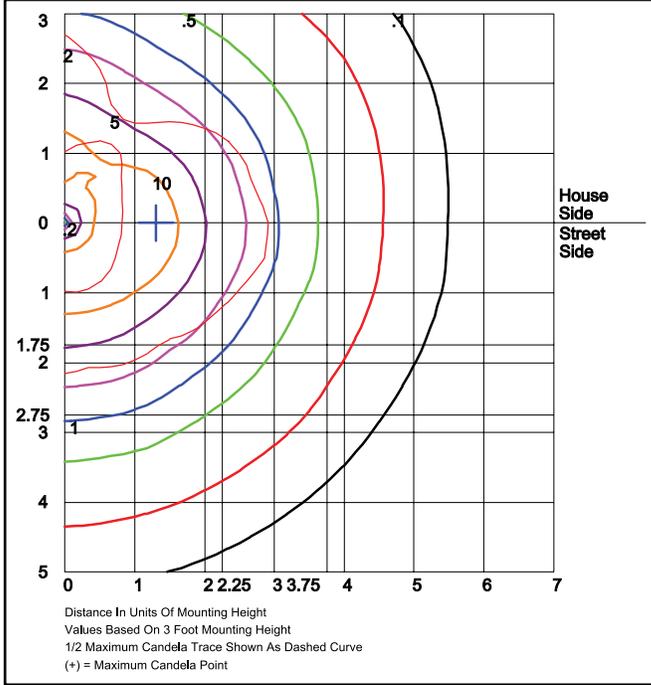
Replacement Parts (Order Separately, Field Installed)	
P18103	120-277VAC Photocell
P17125	Internal Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See P17125 Spec. Page for Details.
BOSPC	Replacement Square UV-Stabilized Polycarbonate Vandal-Resistant Lens
BOSPCLL	Replacement SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array 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 LEPG LED Battery Backup Specification Sheet.	
<p>P18103 P17125 BOSPC, BOSPCLL BOSEBASE</p>	

Projected Lumen Maintenance

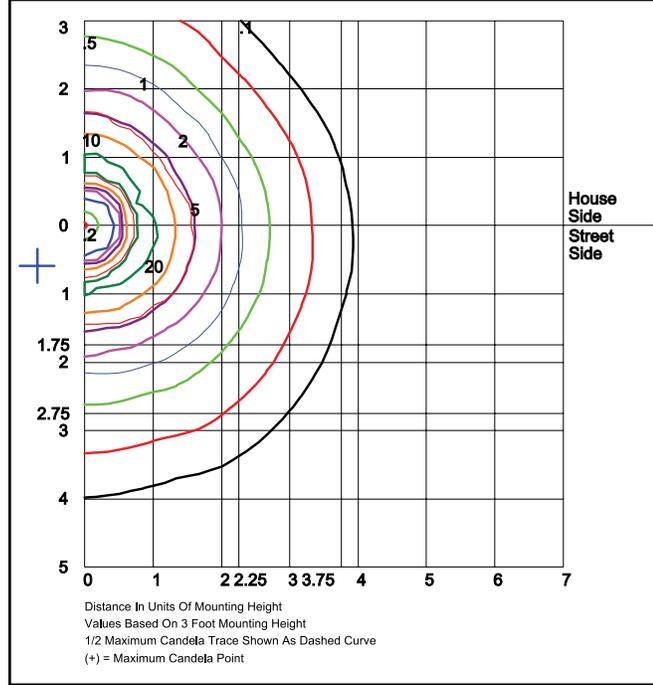
Data shown for 5000 CCT TM-21-11	Input Watts	Compare to MH				Calculated LED Life
		Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 24w	1.00	0.95	0.90	0.80	147,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.89	0.78	0.55	67,000
L80 Lumen 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.

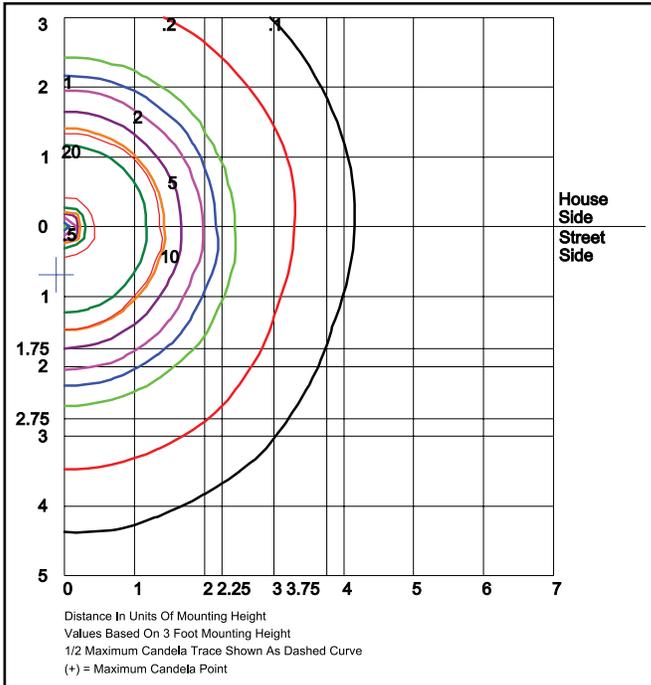
Photometric Data



**ABOSFGQC1X22U5K
Type III**
Grid in feet, Mounting Height = 3 ft.



**ABOSFRLQF1X22U5K &
BOSFRWQF1X22U5K Type V**
Grid in feet, Mounting Height = 3 ft.



**ABOSFLQF1X22U5K
Type V**
Grid in feet, Mounting Height = 3 ft.

Photometric Performance

Optic	CCT	Wattage	10W	15W	20W
		(Catalog Logic)	(1X10)	(1X15)	(1X22)
		Input Watts	11.3W	15.9W	23.8W
		Delivered Lumens			
BOSFRWQ & BOSFRLQ 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
BOSFRWQ & BOSFRLQ 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
BOSFGQ 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
BOSFGQ 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
BOSFLQ 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