

Round & Square EasyLED Bollards

L70
25°C **106,000 Hours**



B1 - Round Flat Top (Clear Lens)



B2 - Square Flat Top (LumaLens)



B1B - Round Dome Top



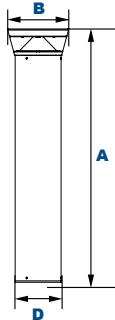
Shown with "S3" Sensor



B2C - Square Pyramid Top



Shown with GFCI



Dimensions

Width (B)	9 1/4" (234mm)
Diameter (D)	7" (180mm)
Height (A)	Flat Top: 35 1/4" (908mm) Dome Top: 38 1/8" (968mm) Pyramid Top: 38 1/8" (968mm)

The Jemm B1 and B2 LED Cutoff Bollards with UV-stabilized polycarbonate lenses and sealed optical compartments are designed to replace HID lighting systems up to 100w 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, Dome or Pyramid Tops, Internal Driver Tray for Easy Maintenance.

Listing & Ratings:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750
IP66 Sealed LED Compartment.

Finish:

Textured Architectural Bronze or Black Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

Reflector:

Reflective White UV-Stabilized Polycarbonate Cone Reflector

Lens:

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

Mounting Options:

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

EasyLED LED:

Aluminum Boards

Wattage:

Array: 16w, System: 17.7w (up to 70w HID equivalent)
Array: 23w, System: 24.8w (up to 100w HID equivalent)
Array: 34w, System: 37.2w (up to 100w 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 LEPC 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 -20°C to +40°C Environment.

See Page 3 for Projected Lumen Maintenance Table.

Order Information Example:

B2CF34U4KCZ30SF

Model	Optic	Wattage	Driver	CCT	Lens	Color	Height	Options
B1 =Round Bollard, Flat Top B1B =Round Bollard, Dome Top B2 =Square Bollard, Flat Top B2C =Square Bollard, Pyramid Top	F =Wide Beam Spread	16 =16w 23 =23w 34 =34w	U =120-277V C =347V* H =347-480V* *23w Model Only *34w Model Only	3K =3000K* 4K =4000K *B2Q model only.	C =Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens L =SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens	Z =Bronze B =Black C =Custom (Consult Factory)	(Leave Blank) =34 1/2" Standard Height 30 =30" Height	SF =Single Fuse (120-277V Only) DF =Double Fuse (120-277V Only) SP =Surge Protection GF1 =GFCI Outlet, 15A, 120V S3 =Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See P17121 Spec. Page for Details. BU =Battery Backup, 90 Minutes

Project Information:

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

Certification & Listings:



Accessories & Replacement Parts:



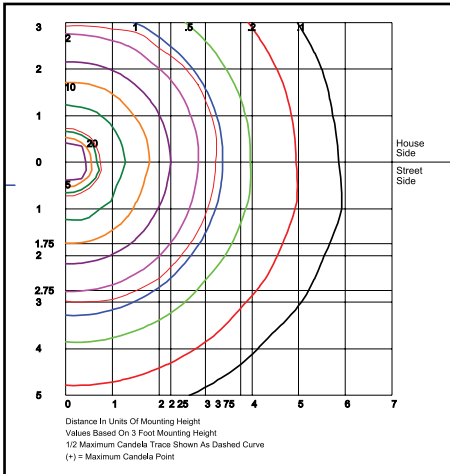
Mounting Accessories (Order Separately, Field Installed)	
BOLAN4	Mounting Kit, Includes Bracket & Three (3) 4" Zinc-Plated Anchor Bolts
BOLAN8	Mounting Kit, Includes Bracket & Three (3) 8" Zinc-Plated Anchor Bolts
BOLAN12	Mounting Kit, Includes Bracket & Three (3) 12" Zinc-Plated Anchor Bolts
BOLAN15	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 LEPC Bollards. Die Cast with Powdercoat Finish, Hardware Included. 11 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

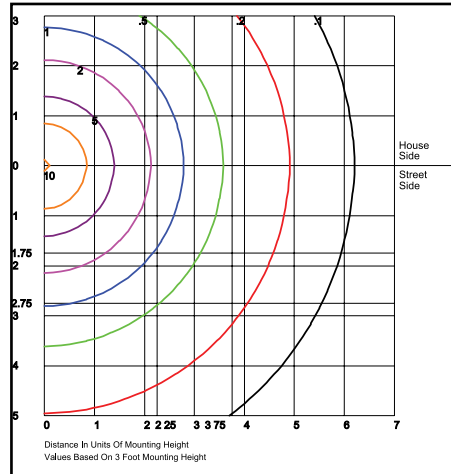
Replacement Parts (Order Separately, Field Installed)	
P17121	Internal Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See P17121 Spec. Page for Details.
BORBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating. Fits B1.
BOSBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating. Fits B2.
BOADP1	Adapter Plate with Gaskets for Outlet Boxes. Fits LEPC Round Bollards. Die Cast with Bronze Powdercoat Finish.
*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)	

*Shown Mounted

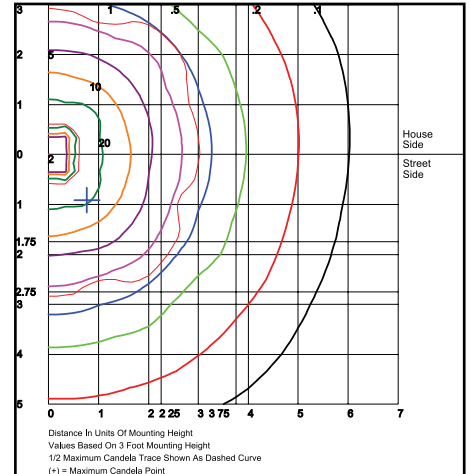
Photometric Data



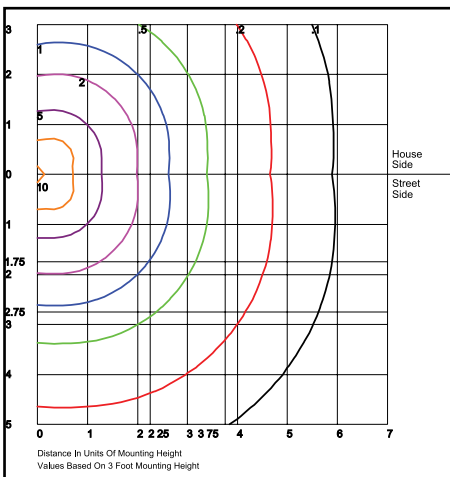
B1F34U4KC & B1BF34U4KC
Type V, Clear Lens
Grid in feet, Mounting Height = 3 ft.



B1F34U4KL & B1BF34U4KL
Type V, LumaLens
Grid in feet, Mounting Height = 3 ft.



B2F34U4KC & B2CF34U4KC
Type V, Clear Lens
Grid in feet, Mounting Height = 3 ft.



B2F34U4KL & B2CF34U4KL
Type V, LumaLens
Grid in feet, Mounting Height = 3 ft.



Round & Square EasyLED Bollards

L70
25°C **106,000 Hours**

Photometric Performance

Wattage (Catalog Logic)	16W (1X16)	23W (1X23)	34W (1X34)	
	Input Watts	17.7W	24.8W	37.2W
Optic	CCT	Delivered Lumens		
B1 Clear Glass F=Type V Optic	3000K	-	-	-
	4000K	1,525	2,135	3,202
	5000K	-	-	-
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U3-G1
B1 LumaLens F=Type V Optic	3000K	-	-	-
	4000K	975	1,365	2,047
	5000K	-	-	-
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U4-G2

Wattage (Catalog Logic)	16W (1X16)	23W (1X23)	34W (1X34)	
	Input Watts	17.7W	24.8W	37.2W
Optic	CCT	Delivered Lumens		
B2 Clear Glass F=Type V Optic	3000K	1,432	2,005	3,008
	4000K	1,554	2,175	3,263
	5000K	-	-	-
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U4-G1
B2 LumaLens F=Type V Optic	3000K	864	1,210	1,816
	4000K	938	1,313	1,969
	5000K	-	-	-
	BUG Rating	B0-U3-G1	B1-U3-G1	B1-U4-G2

Projected Lumen Maintenance

Data shown for 4000 CCT TM-21-11	Input Watts	Compare to MH				
		Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
B1/B2 L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 34w	1.00	0.93	0.86	0.72	106,000
B1/B2 L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.91	0.83	0.66	88,000
B1/B2 L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.92	0.84	0.67	61,000

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.