

Round Dome Top Bollards Series BDL

Applications:

Retail centers, restaurants, hotels, schools and universities, public transit and airports, office buildings and medical facilities.



NEW Soft Shine Low Glare White Cone Reflector
Daytime View Nighttime View



Glass BDL



LED Cone Reflector Shown with Glare Shield BDR



Louvers BDL



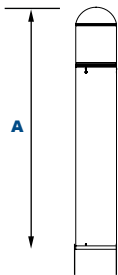
SoftLED LumaLens Opal Array Lens



Shown with "S3" Sensor



Shown with GFCI



Dimensions

Diameter (D)	7" (178mm)
Height (A)	42 1/4" (1,073mm)

The Jemm Bollards with choice of optics and lenses 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, Domed 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; (100w HID Equivalent)
Array: 22w, System: 23.8w; (100w 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 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 -40°C to +40°C Environment.

See Page 4 for Projected Lumen Maintenance Table.

Order Information Example:

BDLF22U5KZ36SF

BDRW=Round Dome Bollard with Soft Shine Low Glare White Cone Reflector
BDR=Round Dome Bollard with LED Cone Reflector
BDG=Round Dome Bollard with Glass
BDL=Round Dome Bollard with Louvers

C=Type III*
F=Wide Beam Spread

***BDRW, BDR & BDG** only

1X10=10w
1X15=15w
1X22=22w

U=120-277V
C=347V*
*15w Model Only

3K=3000K
4K=4000K
5K=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
GSB=180° Glare Shield, Black
GSZ=180° Glare Shield, Bronze
GSC=180° Glare Shield, Custom Color (Consult Factory)
S3=Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See P17121 Spec. Page for Details.
BU=Battery Backup, 90 Minutes*

*120-277V Models Only.

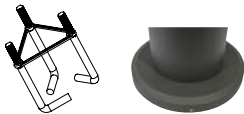
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Accessories & Replacement Parts:

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. 1 1/2" Dia. x 1 1/2" H

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



BOLAN **BREBASE***

*Shown Mounted

Accessories (Order Separately, Field Installed)

P17122 Remote Programming Tool for P17121



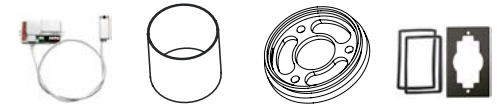
P17122

Replacement Parts (Order Separately, Field Installed)

P17121	Internal Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See P17121 Spec. Page for Details.
BOLPC	Replacement Round UV-Stabilized Polycarbonate Vandal-Resistant Lens
BOLPCLL	Replacement SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens
BORBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating.
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)

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



P17121 **BOLPC, BOLPCLL** **BORBASE** **BOADP1**

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

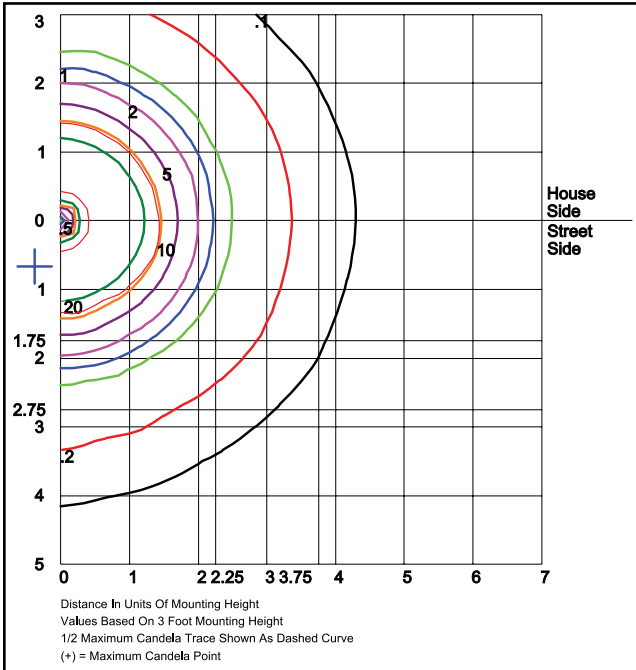
- NOTES:**
- Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 116mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
 - Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

Photometric Performance

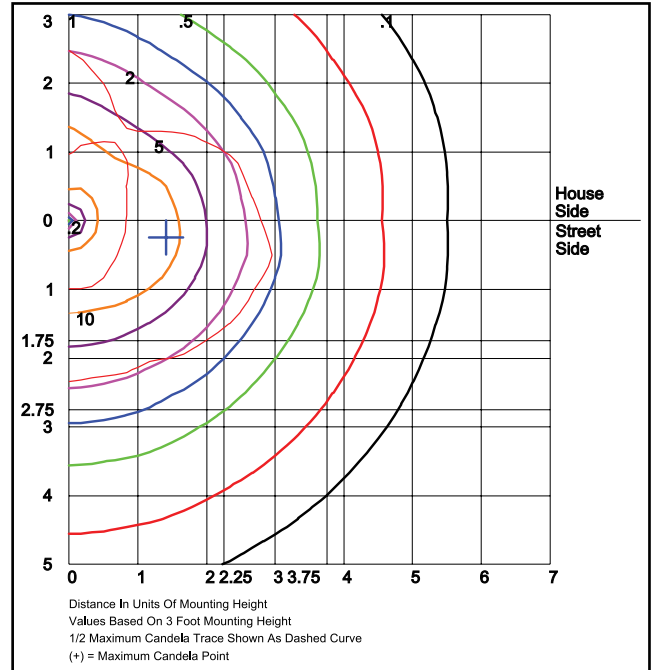
Wattage (Catalog Logic)	10W (1X22)	15W (1X15)	20W (1X22)			
				Input Watts	11.3W	15.9W
Optic	CCT	Delivered Lumens				
BDRW & BDR Cone Reflector C=Type III Optic	3000K	738	1,033	1,549		
	4000K	800	1,120	1,680		
	5000K	834	1,167	1,750		
	BUG Rating	B0-U2-G1	B1-U3-G1	B1-U3-G1		
BDRW & BDR Cone Reflector F=Type V Optic	3000K	1,031	1,444	2,165		
	4000K	1,119	1,566	2,349		
	5000K	1,165	1,631	2,447		
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U3-G1		
BDG Glass C=Type III Optic	3000K	789	1,105	1,657		
	4000K	856	1,199	1,798		
	5000K	892	1,249	1,873		
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U3-G1		
BDG Glass F=Type V Optic	3000K	773	1,082	1,622		
	4000K	838	1,173	1,760		
	5000K	873	1,222	1,833		
	BUG Rating	B1-U3-G1	B1-U3-G1	B1-U3-G1		
BDL Louvers F=Type V Optic Only	3000K	521	730	1,094		
	4000K	565	791	1,187		
	5000K	589	824	1,236		

Round Dome Top Bollards Series BLD

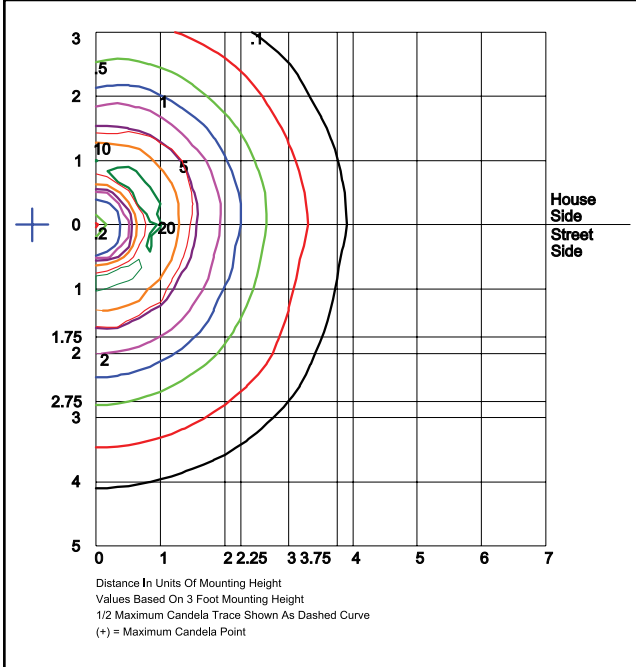
Photometric Data



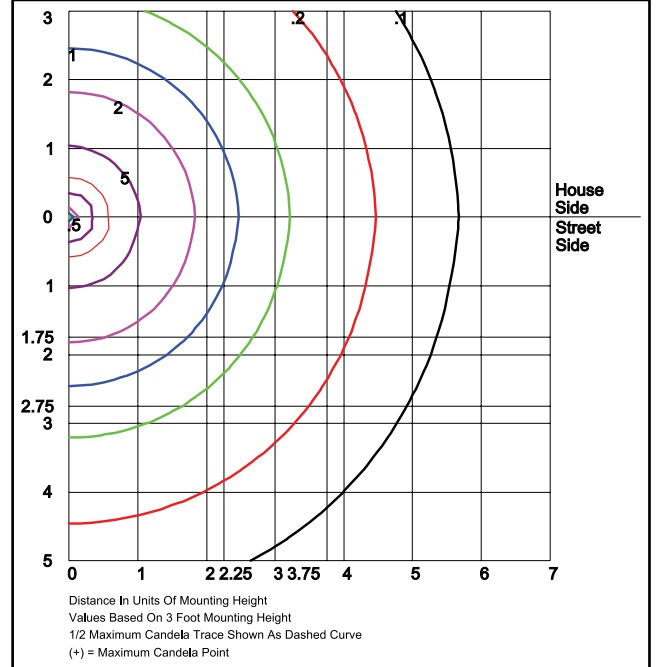
BDRWF22U5K & BDRF22U5K
Type V
Grid in feet, Mounting Height = 3 ft.



BDGC22U5K
Type III
Grid in feet, Mounting Height = 3 ft.



BDLF22U5K
Type V
Grid in feet, Mounting Height = 3 ft.



BDRWF22U5KL, LumaLens
Type V
Grid in feet, Mounting Height = 3 ft.