

LED Round Dome Bollards

The Dome Top Bollards with choice of optics and lenses and lenses are designed to replace HID lighting systems up to 70w MH or HPS. 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.

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.

L₇₀: 25°- 147,000 Hours

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:

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

ASK ABOUT AMBER LED

Warranty:

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



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

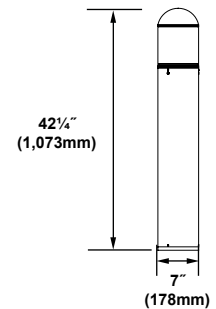


Glass LLBOGQ LED Cone Reflector Shown with Glare Shield LLBORLQ Louvers LLBOLQ



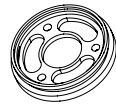
SoftLED LumaLens Opal Array Lens Shown with "S5" Sensor Shown with GFCI

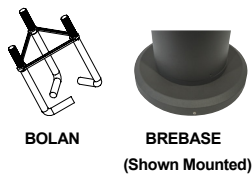
Dimensions



Part #	Optics	Wattage	Driver	CCT	Lens	Color	Height	Options
LLBORWQ = Round Dome Bollard with Soft Shine Low Glare White Cone Reflector LLBORLQ = Round Dome Bollard with LED Cone Reflector LLBOGQ = Round Dome Bollard with Glass LLBOLQ = Round Dome Bollard with Louvers	C= Type III* F= Type V *Not Available on LLBOLQ	10W 15W 22W	U=120-277V C=347* *15w Model Only	30K* 40K 50K	Blank (Clear Lens STD) L= LumaLens Opal UV-Stabilized Polycarbonate Array Lens* *Type V White Cone Reflector Only	BRZ= Bronze BLK=Black C=Custom (Consult Factory)	Blank= 42" Height (STD) 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) 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) *NOTE: BOLAN8 is Included with Bollard	Accessories (Order Separately, Field Installed)	Replacement Parts (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 (Included with Bollard) 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. 11½" Dia. x 1½" H *Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)	P17126 Remote Programming Tool for P17125  P17126	P17125 Internal Microwave Sensor with Dimming & Remote Programming, 120-277V Only. See P17125 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.     P17125 BOLPC, BOLPCLL BORBASE BOADP1



Photometric Performance

Wattage (Catalog Logic)		10W (1X10)	15W (1X15)	20W (1X22)
Input Watts		11.3W	15.9W	23.8W
Optic	CCT	Delivered Lumens		
LLBORWQ & LLBORLQ 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
LLBORWQ & LLBORLQ 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
LLBOGQ 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
LLBOGQ 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
LLBOLQ Louvers F=Type V Optic Only	3000K	521	730	1,094
	4000K	565	791	1,187
	5000K	589	824	1,236
	BUG Rating	B0-U2-G0	B1-U2-G1	B1-U3-G1

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 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.

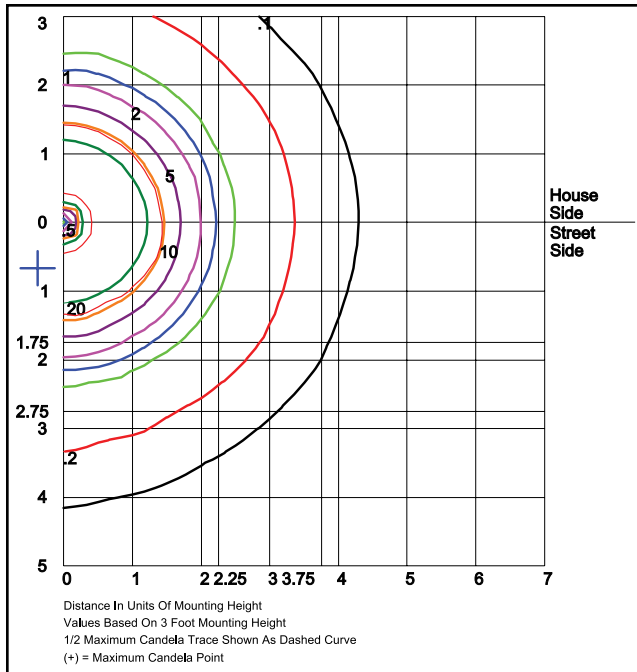
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Type: _____

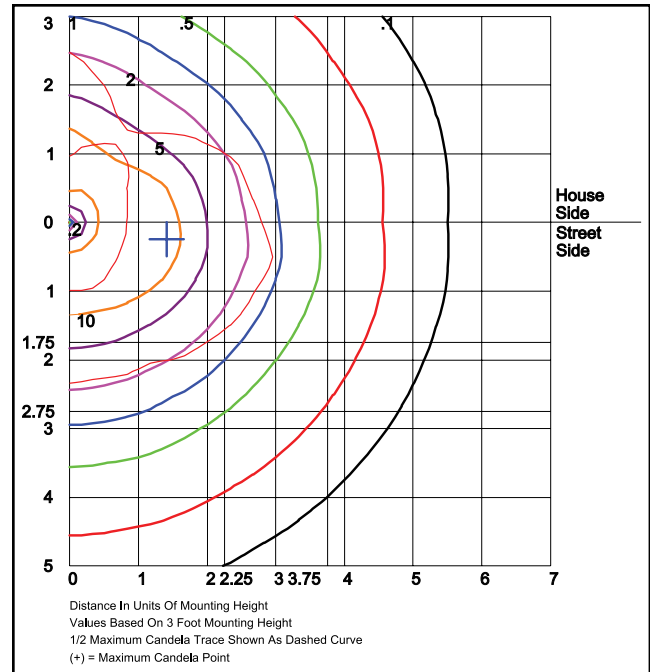
Part #: _____

Notes: _____

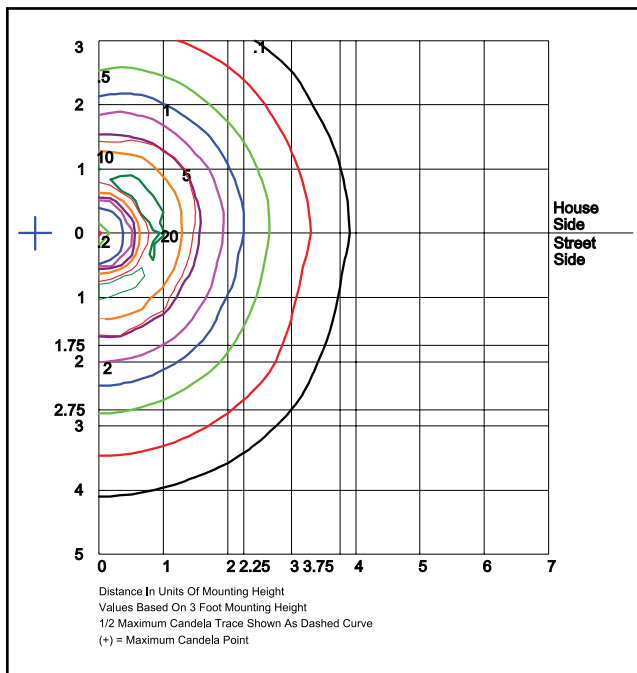
Photometric Data



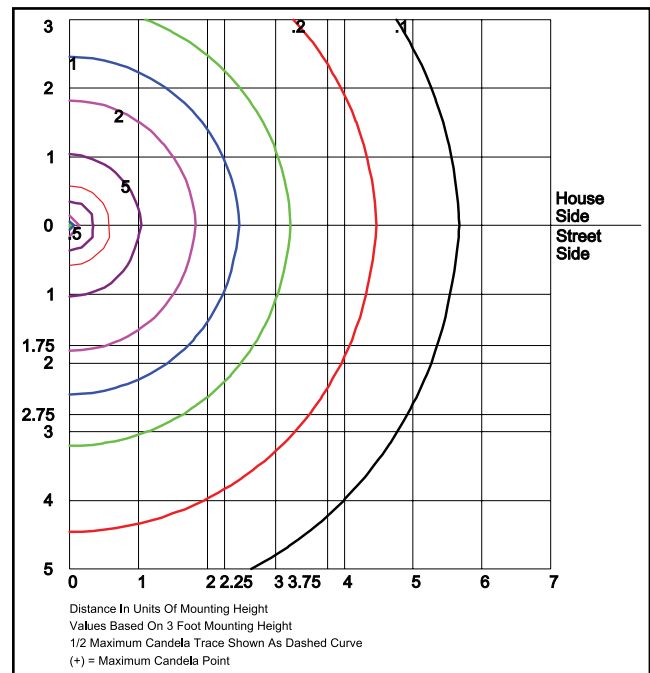
LLBORWQF1X22U5K & LLBORLQF1X22U5K Type V
Grid in feet, Mounting Height = 3 ft.



LLBOGQC1X22U5K Type III
Grid in feet, Mounting Height = 3 ft.



LLBOLQF1X22U5K Type V
Grid in feet, Mounting Height = 3 ft.



LLBORWQF1X22U5KL, LumaLens Type V
Grid in feet, Mounting Height = 3 ft.