

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, 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 Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.
Style:	Clear Prismatic Borosilicate Glass Refractor, Specially Designed Aluminum Cone Reflector or Internal Louvers
Lens:	Clear 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.
Warranty:	5-Year Warranty for -40°C to +40°C Environment.

See Page 2 for Projected Lumen Maintenance Table.



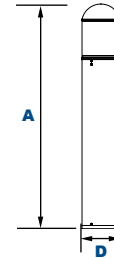
Glass
BOGQ

LED Cone Reflector
BORLQ

L70
25°C **147,000 Hours**



Louvers
BOLQ



Dimensions

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

Certification & Listings:

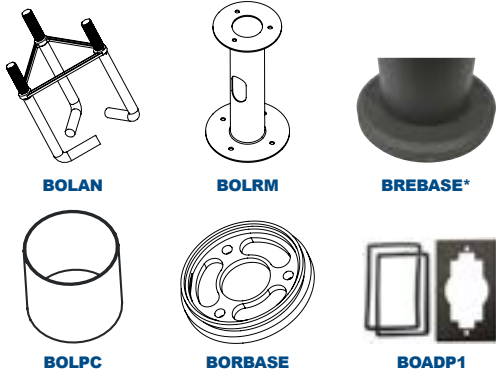


Model	Optics	1X15 Wattage	Driver	CCT	Color	Height	Options
BOGQ =Round Dome Bollard with Glass BORLQ =Round Dome Bollard with LED Cone Reflector BOLQ =Round Dome Bollard with Louvers	C =Type III* F =Wide Beam Spread *BORLQ Only	1X15 =15w	U =120-277V C =347V	3K =3000K 4K =4000K 5K =5000K	Z =Bronze B =Black W =White G =Gray 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 BU =Battery Backup, 90 Minutes

Order Information Example:

BORLQF1X15U5KZ36SF

Accessories & Replacement Parts:



*Shown Mounted

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
BOLRM	Root Mount Kit
BREBASE*	Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all Bollards. Die Cast with Powdercoat Finish, Hardware Included. 11½" Dia. x 1½" H

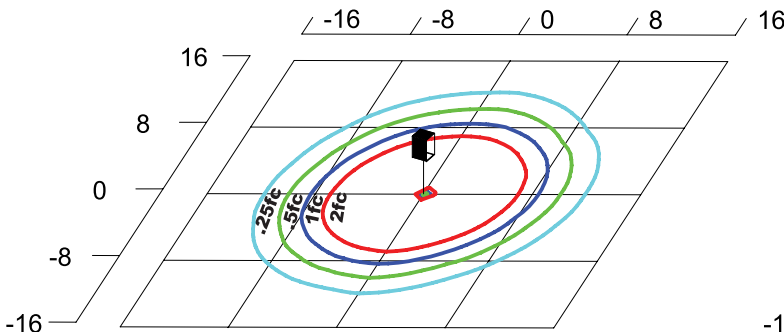
*Specify Color: Z=Bronze, B=Black, W=White, G=Gray, C=Custom (Consult Factory)

Replacement Parts (Order Separately, Field Installed)

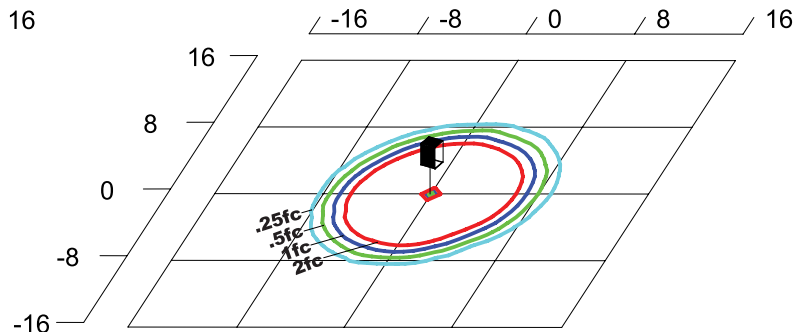
BOLPC	Replacement Round Polycarbonate Vandal-Resistant Lens
BORBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating.
BOADP1*	Adapter Plate with Gaskets for Outlet Boxes. Fits Round Bollards. Die Cast with Powdercoat Finish.

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

Photometric Data



BOGQF1X15U5K
Type V
Grid in feet, Mounting Height = 3.5 ft.



BORLQF1X15U5K
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	BOG Glass	1,132	67	1	3	1	1,086	64	1	3	1	905	53	1	3	1
			BOL Round Louvers	763	45	1	2	1	733	43	1	2	1	675	40	1	2	1
			BORL Cone Reflector	1,510	89	1	3	1	1,450	85	1	3	1	1,225	72	1	3	1
			BORL 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.