

## Easy LED Bollards with Flat Tops

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:

IES Type III or V 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; Dimmable Driver

#### Listing & Ratings:

CSA: Listed for Wet Locations.  
Operating Temperatures: -40°C to +40°C  
IP65 Sealed LED Compartment.

See Page 2 for Projected Lumen Maintenance Table.

5-Year Warranty.



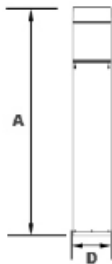
IES Type III & V Glass  
LLBOFG3Q & LLBOFG5Q



LED Cone Reflector  
LLBOFRLQ



Louvers  
LLBOFLQ



#### Dimensions

Diameter (D)	7" (178mm)
Height (A)	41 1/2" (1,057mm)

### Order Information Example:

LLBOFG3QF1X15U5KZ36SF

Model	Optics	Wattage	Driver	CCT	Color	Height	Options
LLBOFG3Q=Round Flat Top Bollard with IES Type III Glass	F=Wide Beam Spread	1X15=15w	U=120-277V	4K=4000K 5K=5000K	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 BU=Battery Backup, 90 Minutes
LLBOFG5Q=Round Flat Top Bollard with IES Type V Glass							
LLBOFRLQ=Round Flat Top Bollard with LED Cone Reflector							
LLBOFLQ=Round Flat Top Bollard with Louvers							

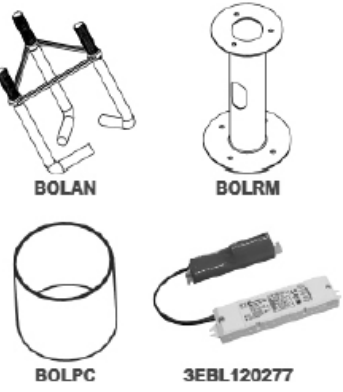
### Certification & Listings:





Job Name: \_\_\_\_\_  
 TYPE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 JOB NAME: \_\_\_\_\_  
 Part #: \_\_\_\_\_  
 CONTRACTOR: \_\_\_\_\_  
 CATALOG NO: \_\_\_\_\_  
 Notes: \_\_\_\_\_

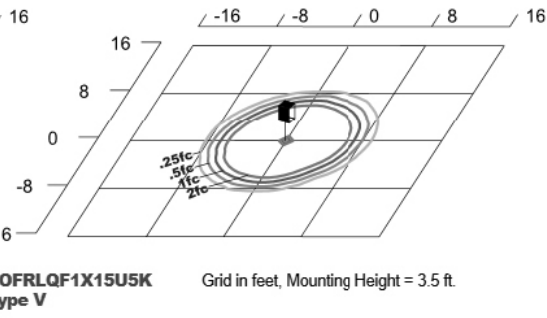
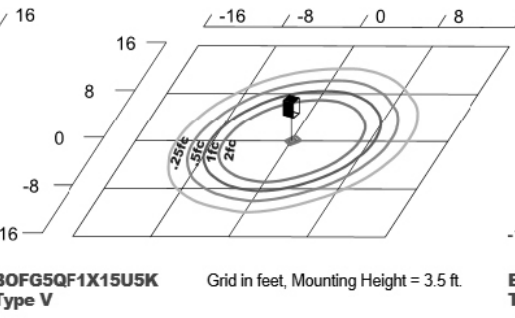
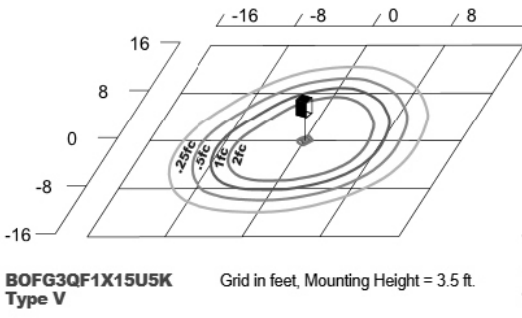
### Accessories & Replacement Parts:



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

Replacement Parts (Order separately, Field installed)	
BOLPC	Replacement Round Polycarbonate Vandal-Resistant Lens
3EBL120277	Battery Backup, Provides 90 Minutes of Backup Power.

### Photometric Data



### Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	5000 CCT 80 CRI				4000 CCT 80 CRI					
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
EasyLED 15w	116	17	BOFG3 Type III Glass	1,152	68	1	3	1	1,106	65	1	3	1
			BOFG5 Type V Glass	1,125	66	1	3	1	1,080	64	1	3	1
			BOFL Louvers	778	46	1	2	1	747	44	1	2	1
			BOFRL Cone Reflector	1,519	89	1	3	1	1,458	86	1	3	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.