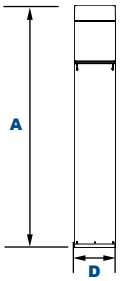
# EasyLED Round Flat Bollards

**L70** 25°C **147,000 Hours**

IES Type III & V Glass
BF3COB & BF5COB

LED Cone Reflector
Shown with Glare Shield
BFRCOB

Louvers
BFLCOB




| Dimensions | |
|---|---|
| Diameter (D) | 7″ (178mm) |
| Height (A) | 41⅝″ (1,057mm) |

The Jemm 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.

### 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:
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, 50/60H; 347V, 50/60H; Dimmable Driver

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

See Page 2 for Projected Lumen Maintenance Table.

## Order Information Example: BF3COBF15U5KZ

| Model | Optics | Wattage | Driver | CCT | Color | Height | Options |
|---|---|---|---|---|---|---|---|
| **BF3COB**=Round Flat Top Bollard with IES Type III Glass<br>**BF5COB**=Round Flat Top Bollard with IES Type V Glass<br>**BFRCOB**=Round Flat Top Bollard with LED Cone Reflector<br>**BFLCOB**=Round Flat Top Bollard with Louvers | **C**=Type III*<br>**F**=Wide Beam Spread<br>*BFRCOB Only | **15**=15w | **U**=120-277V<br>**C**=347V | **3K**=3000K<br>**4K**=4000K<br>**5K**=5000K | **Z**=Bronze<br>**B**=Black<br>**C**=Custom (Consult Factory) | **(Leave Blank)**= 42" Standard Height<br>**36**=36" Height<br>**30**=30" Height | **SF**=Single Fuse<br>**DF**=Double Fuse<br>**SP**=Surge Protection<br>**GF1**=GFCI Outlet, 15A, 120V<br>**GSB**=180° Glare Shield, Black<br>**GSZ**=180° Glare Shield, Bronze<br>**GSC**=180° Glare Shield, Custom Color, Consult Factory<br>**BU**=Battery Backup, 90 Minutes |

## Project Information:

Project Name:

Fixture Type:

Complete Catalog #:

Date:

Comments:

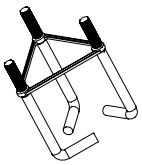
## Certification & Listings:

IP65

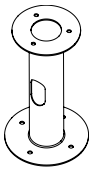
# EasyLED Round Flat Bollards

L70 25°C — 147,000 Hours

## Accessories & Replacement Parts:

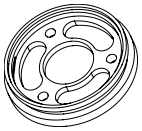


BOLAN



BOLRM

BOLPC



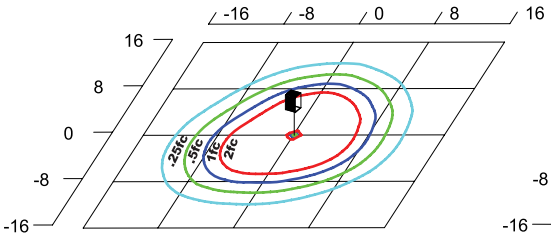
BORBASE

3EBL120277

| 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 |

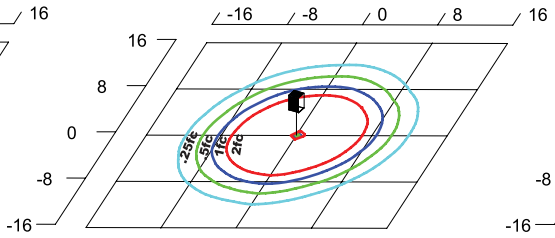
| Replacement Parts (Order separately, Field installed) | |
|---|---|
| BOLPC | Replacement Round Polycarbonate Vandal-Resistant Lens |
| 3EBL120277 | Battery Backup, Provides 90 Minutes of Backup Power. |
| BORBASE* | Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating. |
| *Specify Color: Z=Bronze, B=Black | |

## Photometric Data



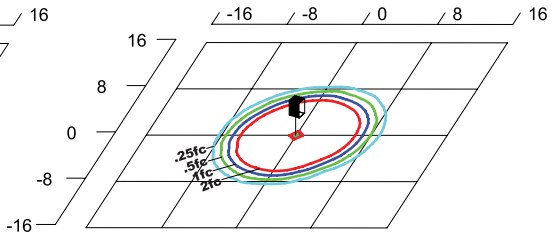

**BF3COBF15U5K Type V**

Grid in feet, Mounting Height = 3.5 ft.




**BF5COBF15U5K Type V**

Grid in feet, Mounting Height = 3.5 ft.




**BFRCOBF15U5K 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 Lumens | LPW | B | U | G | 4000 CCT 80 CRI Lumens | LPW | B | U | G | 3000 CCT 80 CRI Lumens | LPW | B | U | G |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EasyLED 15w | 116 | 17 | BF3COB Type III Glass | 1,152 | 68 | 1 | 3 | 1 | 1,106 | 65 | 1 | 3 | 1 | 1,020 | 60 | 1 | 3 | 1 |
| | | | BF5COB Type V Glass | 1,125 | 66 | 1 | 3 | 1 | 1,080 | 64 | 1 | 3 | 1 | 905 | 53 | 1 | 3 | 1 |
| | | | BFLCOB Louvers | 778 | 46 | 1 | 2 | 1 | 747 | 44 | 1 | 2 | 1 | 689 | 41 | 1 | 2 | 1 |
| | | | BFRCOB Cone Reflector | 1,519 | 89 | 1 | 3 | 1 | 1,458 | 86 | 1 | 3 | 1 | 1,225 | 72 | 1 | 3 | 1 |
| | | | BFRCOB 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.