



# Round & Square COB Bollards

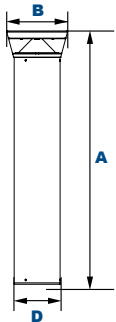
**L70**  
25°C **106,000 Hours**



**B1C3 - Round COB Bollard (Black)**



**B2C3 - Square COB Bollard (Bronze)**



### Dimensions

<b>Width (B)</b>	9 1/4" (234mm)
<b>Diameter (D)</b>	7" (180mm)
<b>Height (A)</b>	34 3/4" (882mm)

The B1C3 and B2C3 LED Cutoff Bollards with polycarbonate lenses and sealed optical compartments 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 Driver Tray for Easy Maintenance.

#### Listing & Ratings:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750  
 IP66 Sealed LED Compartment.

#### Finish:

Textured Architectural Bronze or Black Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

#### Reflector:

Reflective White Polycarbonate Cone Reflector

#### Lens:

Clear Polycarbonate Vandal-Resistant Lens

#### Mounting Options:

Mounting Kit with 8" Anchor Bolts, Included.

#### COB LED:

QSSI Cool Copper COB

#### Wattage:

COB: 20w, System: 20w; (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 -20°C to +40°C Environment.

See Page 2 for Projected Lumen Maintenance Table.

### Order Information Example:

**B1C34X5U41KZSF**

	<b>4X5</b>		<b>41K</b>			
<b>Model</b>	<b>Wattage</b>	<b>Driver</b>	<b>CCT</b>	<b>Color</b>	<b>Height</b>	<b>Options</b>
<b>B1C3</b> =Round COB Bollard <b>B2C3</b> =Square COB Bollard	<b>4X5</b> =20w	<b>U</b> =120-277V <b>C</b> =347V	<b>41K</b> =4100K	<b>Z</b> =Bronze <b>B</b> =Black <b>C</b> =Custom (Consult Factory)	<b>(Leave Blank)</b> = 34 3/4" Standard Height <b>30</b> =30" Height	<b>SF</b> =Single Fuse <b>DF</b> =Double Fuse <b>SP</b> =Surge Protection <b>GF1</b> =GFCI Outlet, 15A, 120V

### Project Information:

Project Name: \_\_\_\_\_ Fixture Type: \_\_\_\_\_  
 Complete Catalog #: \_\_\_\_\_ Date: \_\_\_\_\_  
 Comments: \_\_\_\_\_

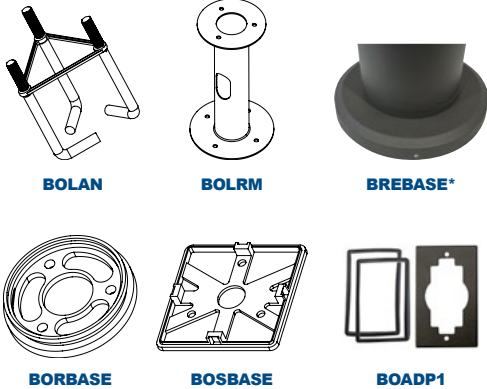
### Certification & Listings:





**L70**  
25°C **106,000 Hours**

**Accessories & Replacement Parts:**



\*Shown Mounted

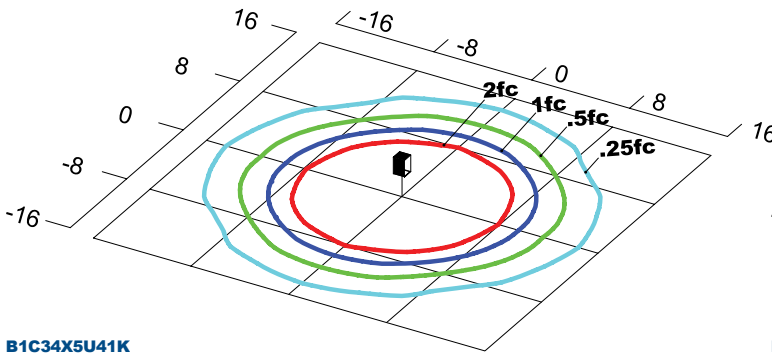
Mounting Accessories (Order Separately, Field Installed)	
BOLAN4	Mounting Kit, Includes Bracket & Three (3) 4" Anchor Bolts
BOLAN8	Mounting Kit, Includes Bracket & Three (3) 8" Anchor Bolts
BOLAN12	Mounting Kit, Includes Bracket & Three (3) 12" Anchor Bolts
BOLAN15	Mounting Kit, Includes Bracket & Three (3) 15" Anchor Bolts
BOLRM	Root Mount Kit
BREBASE*	Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all LEPC Bollards. Die Cast with Powdercoat Finish, Hardware Included. 11 1/2" Dia. x 1 1/2" H

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

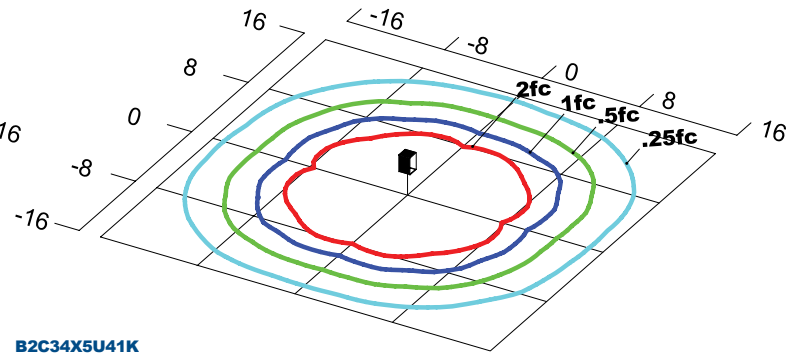
Replacement Parts (Order Separately, Field Installed)	
BORBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating. Fits B1.
BOSBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating. Fits B2.
BOADP1	Adapter Plate with Gaskets for Outlet Boxes. Fits LEPC Round Bollards. Die Cast with Bronze Powdercoat Finish.

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

**Photometric Data**



**B1C34X5U41K**  
Grid in feet, Mounting Height = 3.5 ft.



**B2C34X5U41K**  
Grid in feet, Mounting Height = 3.5 ft.

**Photometric Performance**

LED COB Watts	Drive Current (mA)	Input Watts	Bollards	4100 CCT 80 CRI				
				Lumens	LPW	B	U	G
COB LED 20w	350	20	B1 (Round COB Bollard)	2,282	87	1	0	1
			B2 (Square COB Bollard)	2,409	91	1	0	1

**Projected Lumen Maintenance**

Data shown for 4100 CCT TM-21-11			Compare to MH			
Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C	
20	1.00	0.93	0.86	0.72	106,000	
20	1.00	0.93	0.86	0.72	106,000	
TM-21-11			Calculated L70@ 50°C			
20	1.00	0.91	0.83	0.66	88,000	
20	1.00	0.91	0.83	0.66	88,000	
TM-21-11			Calculated L80@ 40°C			
20	1.00	0.92	0.84	0.67	61,000	
20	1.00	0.92	0.84	0.67	61,000	

**NOTES:**  
1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 350mA 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.