LEDALUX®

Round & Square COB Bollards

CATALOG NUMBER:

NOTES:

FIXTURE TYPE:

PROJECT:

L70 25°C **106,000 Hours**

BUY AMERICAN ACT COMPLIANT

B1C3 - Round Flat Top (Black)

B2C3 - Square Flat Top (Bronze)

B1BC3 - Round Dome Top

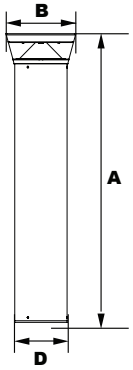
Shown with "S3" Sensor

B2CC3 - Square Pyramid Top

Shown with GFCI

DIMENSIONS

Width (B)	9¼″ (234mm)
Diameter (D)	7″ (180mm)
Height (A)	**Flat Top:** 35¾″ (908mm) **Dome Top:** 38⅛″ (968mm) **Pyramid Top:** 38⅛″ (968mm)



PRODUCT DESCRIPTION

The B1C3 and B2C3 LED Cutoff Bollards with UV-stabilized 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.

FEATURES

Housing:
Extruded Aluminum Housing with Flush Mounting Base & Vandal-Resistant Screws, Flat, Dome or Pyramid Tops, 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 UV-Stabilized Polycarbonate Cone Reflector

Lens:
Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens

Mounting Options:
Mounting Kit with 8 Anchor Bolts, Included.

COB LED:
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.

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 LEPG Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

Warranty:
5-Year Warranty for -20°C to +40°C Environment.
See Page 2 for Projected Lumen Maintenance Table.

ORDERING INFORMATION

EXAMPLE: B1C3-4X5-U-41K-Z-SF

Model	Wattage	Driver	CCT	Color	Height	Options
B1C3 =Round COB Bollard, Flat Top **B1BC3** =Round COB Bollard, Dome Top **B2C3** =Square COB Bollard, Flat Top **B2CC3** =Square COB Bollard, Pyramid Top	4X5 =20w	U=120-277V C=347V	41K =4100K	Z=Bronze B=Black C=Custom (Consult Factory)	(Leave Blank) = 34¾″ Standard Height 30=30″ Height	SF =Single Fuse* DF =Double Fuse* SP =Surge Protection GF1 =GFCI Outlet, 15A, 120V S3 =Internal Microwave Sensor* *120-277V Models Only.

ACCESSORIES & REPLACEMENT PARTS


BOLAN


BREBASE*


P17122


P17121


BORBASE


BOSBASE


BOADP1

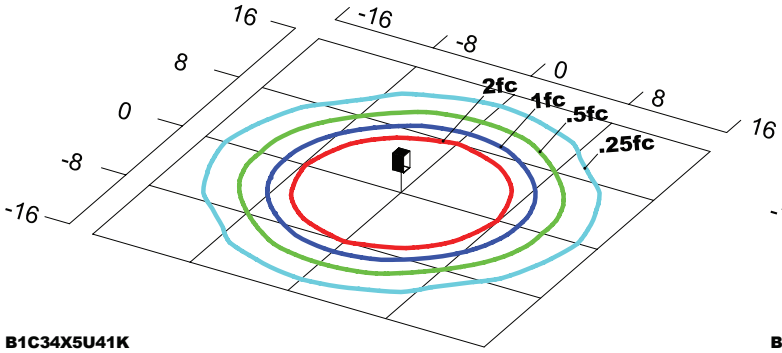
*Shown Mounted

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
BREBASE*	Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all LEPG Bollards. Die Cast with Powdercoat Finish, Hardware Included. 11½″ Dia. x 1½″ H
*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)	

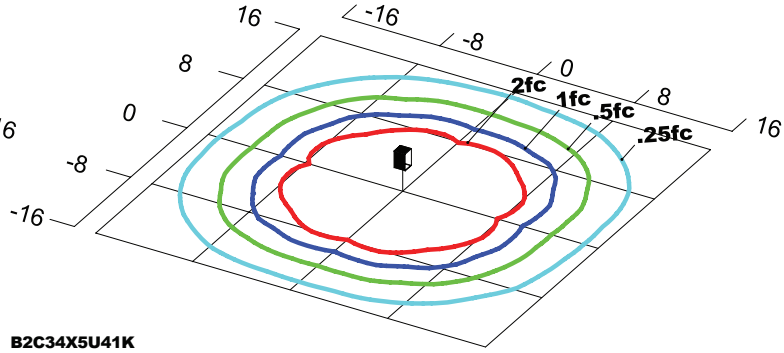
Accessories (Order Separately, Field Installed)	
P17122	Remote Programming Tool for P17121

Replacement Parts (Order Separately, Field Installed)	
P17121	Internal Microwave Sensor (120-277V Only)
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 LEPG 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

				4100 CCT 80 CRI				
LED COB Watts	Drive Current (mA)	Input Watts	Bollards	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			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
B1 L70 Lumen Maintenance @ 25°C / 77°F	20	1.00	0.93	0.86	0.72	106,000
B2 L70 Lumen Maintenance @ 25°C / 77°F	20	1.00	0.93	0.86	0.72	106,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C
B1 L70 Lumen Maintenance @ 50°C / 122°F	20	1.00	0.91	0.83	0.66	88,000
B2 L70 Lumen Maintenance @ 50°C / 122°F	20	1.00	0.91	0.83	0.66	88,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C
B1 L80 Lumen Maintenance @ 40°C / 104°F	20	1.00	0.92	0.84	0.67	61,000
B2 L80 Lumen Maintenance @ 40°C / 104°F	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.