

The B1C3 and B2C3 LED Cutoff Bollards is available with clear or LumaLens 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 Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.
Reflector:	Reflective White Polycarbonate Cone Reflector
Lens:	Clear Polycarbonate or SoftLED LumaLens Opal Polycarbonate Vandal-Resistant Lens
Mounting Options:	Mounting Kit with 8" Anchor Bolts, Included.
COB LED:	QSSI Cool Copper COB
Wattage:	Array: 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.



B1C3 - Round COB Bollard (Black)



B2C3 - Square COB Bollard (Bronze)

L70
25°C **106,000 Hours**



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

Certification & Listings:



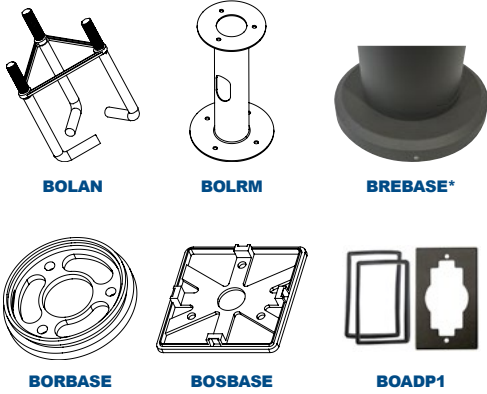
SoftLED

	4X5						
Model	Wattage	Driver	CCT	Lens	Color	Height	Options
B1C3 =Round COB Bollard B2C3 =Square COB Bollard	4X5 =20w	U =120-277V C =347V	3K =3000K 41K =4100K 5K =5000K	C =Clear Polycarbonate Vandal-Resistant Lens L =SoftLED LumaLens Opal Polycarbonate Vandal-Resistant Lens	Z =Bronze B =Black W =White G =Gray C =Custom (Consult Factory)	(Leave Blank) = 34 3/4" Standard Height 30 =30" Height	SF =Single Fuse DF =Double Fuse SP =Surge Protection GF1 =GFCI Outlet, 15A, 120V

Order Information Example:

B1C34X5U41KZSF

Accessories & Replacement Parts:



*Shown Mounted

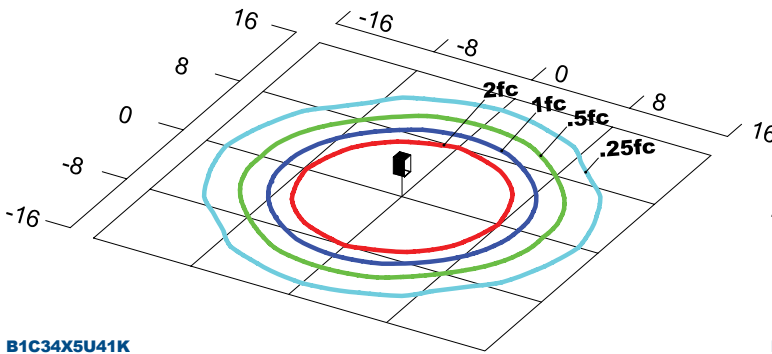
Mounting Accessories (Order Separately, Field Installed)	
BOLAN4	Mounting Kit, Includes Bracket & Three (3) 4" Anchor Bolts
BOLAN8	Mounting Kit, Includes Bracket & Three (3) 8" Anchor Bolts
BOLAN12	Mounting Kit, Includes Bracket & Three (3) 12" Anchor Bolts
BOLAN15	Mounting Kit, Includes Bracket & Three (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. 1 1/2" Dia. x 1 1/2" H

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

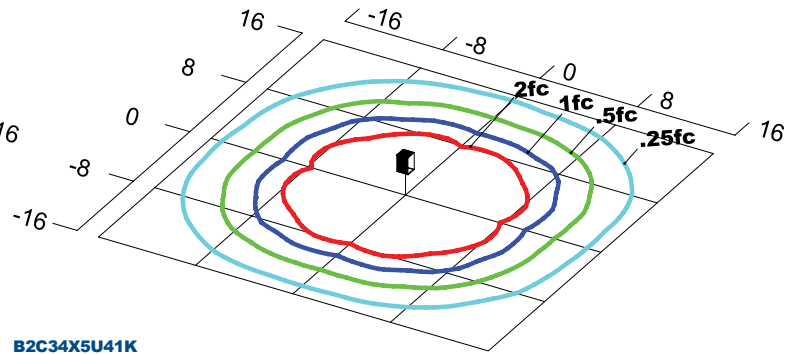
Replacement Parts (Order Separately, Field Installed)	
B1LL	SoftLED LumaLens Opal Polycarbonate Vandal-Resistant Lens for B1
B2LL	SoftLED LumaLens Opal Polycarbonate Vandal-Resistant Lens for B2
BORBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating. Fits B1.
BOSBASE*	Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating. Fits B2.
BOADP1*	Adapter Plate with Gaskets for Outlet Boxes. Fits Round Bollards. Die Cast with Powdercoat Finish.

*Specify Color: Z=Bronze, B=Black, W=White, G=Gray, 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	5000 CCT 80 CRI				4100 CCT 80 CRI					
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
COB LED 20w	350	20	B1 (Round COB Bollard)	2,327	87	1	0	1	2,282	87	1	0	1
			B2 (Square COB Bollard)	2,457	93	1	0	1	2,409	91	1	0	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
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.