

## AB1C3 & AB2C3 Series Round & Square COB Bollards



The LEPG AB1C3 and AB2C3 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.

### Specifications and 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

#### Driver:

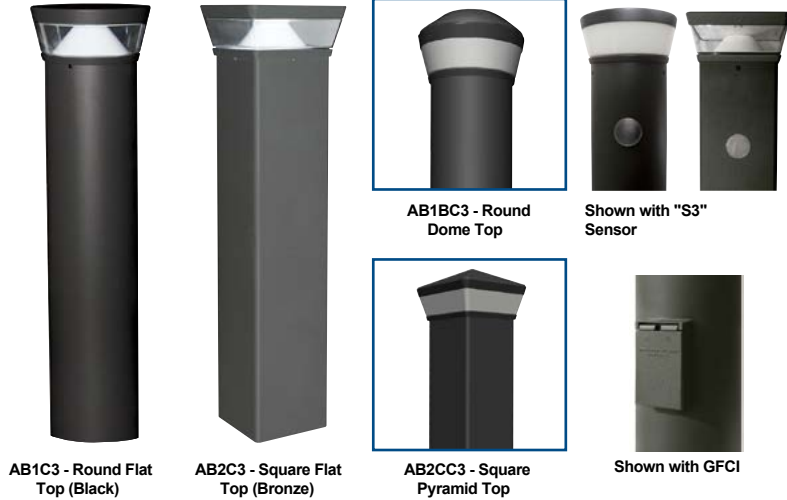
Electronic Driver, 120-277V, 50/60Hz or 347V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

#### Wattage:

COB: 20w, System: 20w; (70w HID Equivalent)

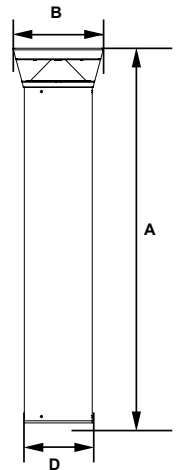
#### Warranty:

5-Year Warranty for -20°C to +40°C Environment.



### Dimensions

<b>Width (B)</b>	9 1/4" (234mm)
<b>Diameter (D)</b>	7" (180mm)
<b>Height (A)</b>	<b>Flat Top:</b> 35 3/4" (908mm) <b>Dome Top:</b> 38 1/8" (968mm) <b>Pyramid Top:</b> 38 1/8" (968mm)



### 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.

### Order Information:

Model	Wattage	Driver	CCT	Color	Height	Options
	4X5=20w		41K=4100K			
AB1C3 AB1BC3 AB2C3 AB2C3C	4X5=20w	U=120-277V C=347V	41K=4100K	Z=Bronze B=Black C=Custom (Consult Factory)	(Leave Blank)= 34 3/4" Standard Height 30=30" Height	SF=Single Fuse (120-277V Only) DF=Double Fuse (120-277V Only) SP=Surge Protection GF1=GFCI Outlet, 15A, 120V S3=Internal Microwave Sensor (120-277V Only)

### 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
BREBASE*	Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all LEPC Bollards. Die Cast with Powdercoat Finish, Hardware Included. 11½" Dia. x 1½" H

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

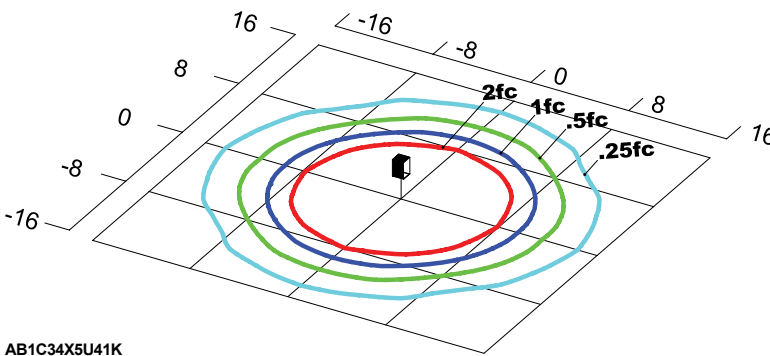
Accessories (Order Separately, Field Installed)	
P17122	Remote Programming Tool for P17121

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 LEPC Round Bollards. Die Cast with Bronze Powdercoat Finish.

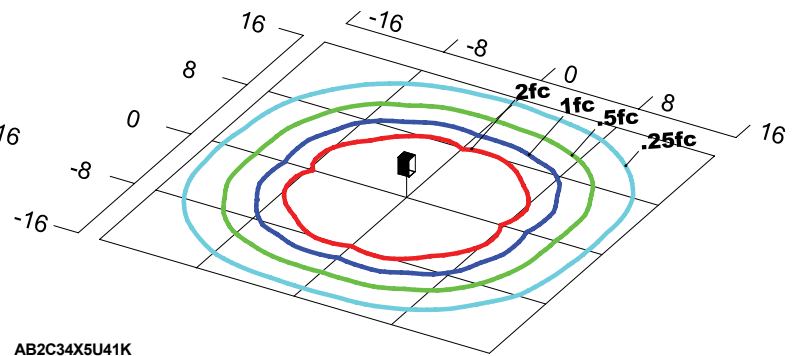
\*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)

\*Shown Mounted

### Photometric Data



AB1C34X5U41K  
Grid in feet, Mounting Height = 3.5 ft.



AB2C34X5U41K  
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	AB1 (Round COB Bollard)	2,282	87	1	0	1
			AB2 (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.