

Project:	
Type:	
Catalog #:	



The BELL SERIES Full Cutoff 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. Bollards Can Be Cut to Custom Lengths Upon Request.

LISTING AND 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.

STYLES: 360° Light Distribution, 120° Shield or 180° Shield

LENS: Clear Polycarbonate Vandal-Resistant Lens

MOUNTING OPTIONS: Mounting Kit with 8" Anchor Bolts, Included.

LED: Aluminum Boards

WATTAGE:

360° 17w Array: 16.6w, System: 18.9w
180° & 120° 16w Array: 15.5w, System: 18.5w; (70w HID Equivalent)

DRIVER: Electronic Driver, 120-277V, 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.
12V: Electronic Driver, 12-17VAC Input, 50/60Hz, Non-Dimmable

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 LEPC 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 -40°C to +50°C Environment. See Page 2 for Projected Lumen Maintenance Table.



Full Cutoff Bollard with 360° Distribution



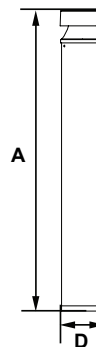
Full Cutoff Bollard with 180° Shield



Shown with "S3" Sensor



Shown with GFCI



DIMENSIONS

Diameter (D)	4 3/4" (120mm)
Height (A)	40 1/8" (1019mm)

Model	Driver	CCT	Lens	Color	Height	Options
BEL1=Full Cutoff Bollard - 360° BEL2=Full Cutoff Bollard with 120° Shield BEL3=Full Cutoff Bollard with 180° Shield	LV=120-277V LV2=12V	3K=3000K* 4K=4000K 5K=5000K *360° Model Only.	C=Clear Polycarbonate Vandal-Resistant Lens	Z=Bronze B=Black C=Custom (Consult Factory)	(Blank)= 40 1/8" 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 AND REPLACEMENT PARTS



MOUNTING ACCESSORIES
(Order Separately, Field Installed)

BREBASE* Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all LEPC Bollards. Die Cast with Powdercoat Finish, Hardware Included. 1 1/2" Dia. x 1 1/2" H

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

ACCESSORIES
(Order Separately, Field Installed)

NT150BK 150w, 120V Black Powdercoat Steel Landscape Transformer, 12V, with Timer and Photocell

NT300SS 300w, 120V Stainless Steel Landscape Transformer, 12V, with Timer and Photocell

NT300SSM 300w, 120V Stainless Steel Landscape Transformer, Multi-Tap 12/14/17V, with Timer and Photocell

17122 Remote Programming Tool for P17121

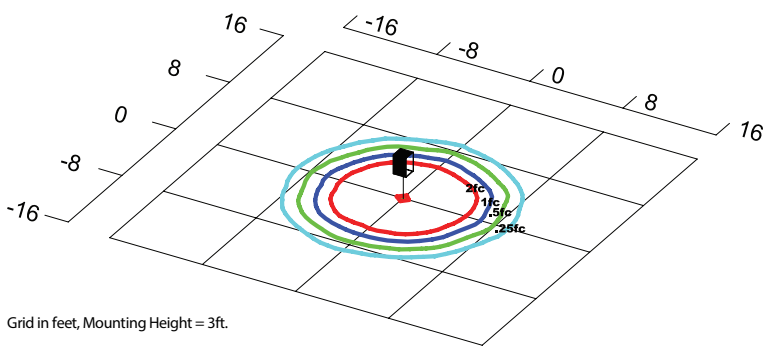
REPLACEMENT PARTS
(Order Separately, Field Installed)

17121 Internal Microwave Sensor (120-277V Only)

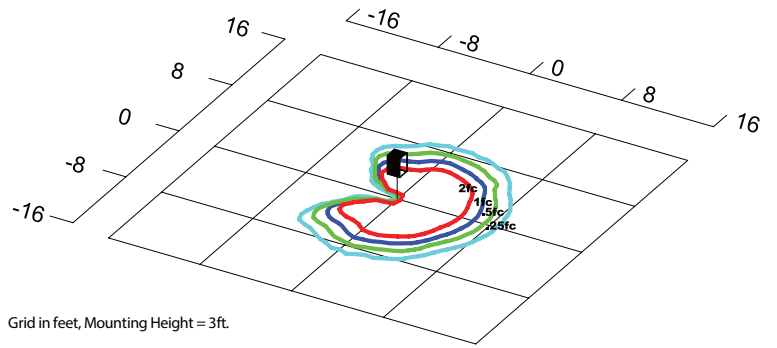
BOADP1 Adapter Plate with Gaskets for Outlet Boxes.

*Shown Mounted

PHOTOMETRIC DATA



Grid in feet, Mounting Height = 3ft.



Grid in feet, Mounting Height = 3ft.

PHOTOMETRIC PERFORMANCE

LED Board Watts	Drive Current (mA)	Input Watts	Optics	5000 CCT 80 CRI					4000 CCT 80 CRI					3000 CCT 80 CRI				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
19w	525	19	360° B50	702	37	0	1	0	674	36	0	1	0	621	33	0	1	0
19w	525	19	180° B5H	508	28	0	1	0	488	26	0	1	0	-	-	-	-	-

PROJECTED LUMEN MAINTENANCE

Data shown for 4000 CCT		Compare to MH					
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70 at 25°C	
L70 Lumen Maintenance at 25°C / 77°F	19	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 at 50°C	
L70 Lumen Maintenance at 50°C / 122°F	19	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 at 40°C	
L80 Lumen Maintenance at 40°C / 104°F	19	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 525mA 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.