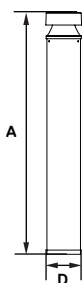




# POR5

## Portland LED Full Cutoff Bollard



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

The SaySpec Portland LED 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, Flat Top. Bollards Can Be Cut to Custom Lengths Upon Request.

#### 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.

#### STYLES:

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

#### LENS:

Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens

#### MOUNTING OPTIONS:

Mounting Kit with 8" Anchor Bolts, Included.

#### LED:

Aluminum Boards; 147,000 Hours of L70 LED Life (25°C)

#### WATTAGE:

360° Arrays: 12w & 16.6w, System: 12.9w & 18.9w  
180° & 120° Arrays: 10w & 15.5w, System: 11.2w & 17w; (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 SaySpec 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.

#### Order Information Example:

POR5QGF1X17U4KCZ30SP

C						
Model	Driver	CCT	Lens	Color	Height	Options
POR5QGF1X17=Portland Full Cutoff Bollard - 360° POR5TGF1X16=Portland Full Cutoff Bollard with 120° Shield POR5HGF1X16=Portland Full Cutoff Bollard with 180° Shield B5QGF1X12=Full Cutoff Bollard - 360°, 12w B5TGF1X10=Full Cutoff Bollard with 120° Shield, 10w B5HGF1X10=Full Cutoff Bollard with 180° Shield, 10w	U=120-277V	3K=3000K 4K=4000K 5K=5000K	C=Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens	Z=Bronze B=Black C=Custom (Consult Factory)	(Leave Blank)= 40 1/8" Standard Height 30=30" Height	SF=Single Fuse (120-277V Only) DF=Double Fuse (120-277V Only) SP=Surge Protection GF=GFCI Outlet, 15A, 120V S3=Internal Microwave Sensor (120-277V Only)

#### Project Information:

PROJECT NAME: \_\_\_\_\_ FIXTURE TYPE: \_\_\_\_\_






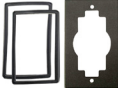
COMPLETE CATALOG#: \_\_\_\_\_ DATE: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

#### Certification & Listings:

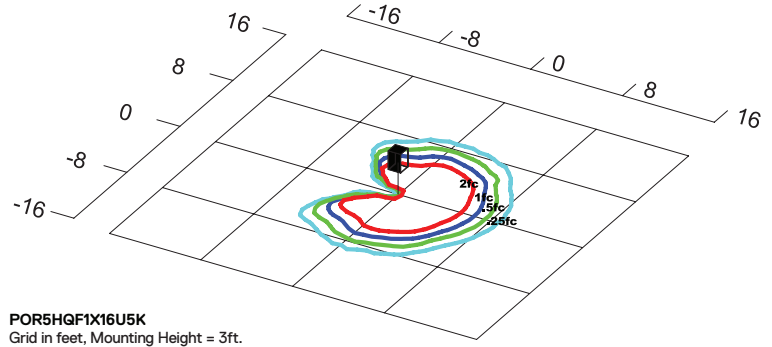
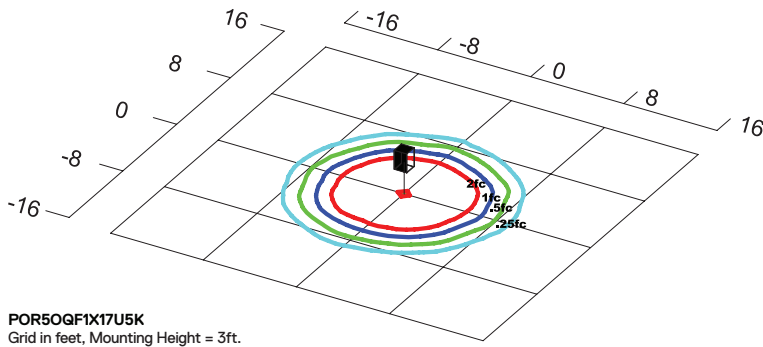


### ACCESSORIES & REPLACEMENT PARTS:

Mounting Accessories (Order Separately, Field Installed)			Accessories (Order Separately, Field Installed)		Replacement Parts (Order Separately, Field Installed)		
			BREBASE* Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all SaySpec Bollards. Die Cast with Powdercoat Finish, Hardware Included. 11½" Dia. x 1½" H	NT150BK	150w, 120V Black Powdercoat Steel Landscape Transformer, 12V, with Timer and Photocell	P17121	Internal Microwave Sensor (120-277V Only)
BREBASE*	NT150BK	NT300SS, NT300SSM		NT300SS	300w, 120V Stainless Steel Landscape Transformer, 12V, with Timer and Photocell	BOADP1	Adapter Plate with Gaskets for Outlet Boxes. Fits SaySpec Round Bollards. Die Cast with Bronze Powdercoat Finish.
				NT300SSM	300w, 120V Stainless Steel Landscape Transformer, Multi-Tap 12/14/17V, with Timer and Photocell		
			P17122	Remote Programming Tool for P17121			
P17122	P17121	BOADP1	*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)				

\*Shown Mounted

### PHOTOMETRIC DATA



### 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
LED 19w	525	19	360° POR5O	702	37	0	1	0	674	36	0	1	0	621	33	0	1	0
LED 19w	525	19	180° POR5H	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 LED Life
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 19w	1.00	0.95	0.90	0.80	147,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.89	0.78	0.55	67,000
L80 Lumen Maintenance @ 40°C / 104°F		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.