

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

# Spectra™ Bollard



## FEATURES

- Cast aluminum hood and tamper resistant hardware
- Symmetric or Asymmetric Distribution
- Upper reflector improves lighting performance and illuminates the hood
- Adaptable appearance is perfect for contemporary or traditional installations
- Two housing sizes of pole mounted luminaire and matching bollard, offer a consistent whole-site solution
- Durable and long lasting design provides worry-free maintenance



3000K and warmer CCTs only

## SPECIFICATIONS

### CONSTRUCTION

- The fixture housing is all cast aluminum, A356 alloy, free of any porosity, foreign materials, or cosmetic fillers
- The driver module is mounted internally and accessed by loosening two captive bolts and lifting off the top of the fixture
- The top cover shall be hinged and secured with one captive tool-less fastener for relamping. The top seal has a molded silicone gasket
- The upper reflector cone is matte finished anodized aluminum. The lens is clear seamless acrylic sealed to the housing with a molded silicone gasket on the top and bottom
- The vertical struts are 316 stainless steel tubing
- All internal and external hardware is stainless steel. All female threads on the aluminum parts are cast-in-place brass inserts to ensure no thread seizure

### CONSTRUCTION (CONTINUED)

- Fixture finish consist of a five stage pretreatment regimen with a polymer primer sealer, oven dry off, and top coated with a thermoset super TGIC polyester powder coat finish
- The finish meets the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance

### OPTICS

- The frosted glass diffuser element is borosilicate glass with a twist on connection to the lower cone assembly. The cone is matte finished anodized aluminum

### INSTALLATION

- Anchor bolts and anchor bolt template will be included
- Service access to the driver assembly will require a 3/16" hex driver (information provided by engineering) to loosen (4) stainless steel set screws to allow the housing to be removed for access to the gear compartment. Gear compartment shall require a Philips driver (information provided by engineering) to open service panel

### ELECTRICAL

- The driver is integral to the fixture, mounted on a prewired module with a quick disconnect plug. The driver module has keyhole slots and are removable by loosening two screws. Driver will accept 120 thru 277 volts input
- 100%-1% dimming range. Fixture will be wired for low voltage 0-10V dimming control

### CERTIFICATIONS

- Fixtures shall be listed with ETL for outdoor, wet location use, UL1598 and Canadian CSA Std. C22.2 no.250
- IDA approved, 3000K and warmer CCTs only

### WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	719
Wattage Range	8-14.8
Efficacy Range (LPW)	48.5
Weight	37 lbs / 16.78 kg

**ORDERING GUIDE**

**Example:** SPB-12LED-NW-BLT-HSS

CATALOG #

Housing	Optics	Finish	Options
<b>SPB</b> Spectra LED bollard	<b>6LED-WW</b> 6 LED array, 8.0 watts, 3000K, 120 thru 277 volt, Asymmetric distribution	<b>BLS</b> Black Gloss Smooth <b>BLT</b> Black Matte Textured	<b>Blank</b> 120-277V <b>347</b> 347V
	<b>6LED-NW</b> 6 LED array, 8.0 watts, 4000K, 120 thru 277 volt, Asymmetric distribution	<b>DBS</b> Dark Bronze Gloss Smooth <b>DBT</b> Dark Bronze Matte Textured	<b>HSS</b> House Side Shield <b>SF</b> Single Fuse 120, 277, 347
	<b>6LED-BW</b> 6 LED array, 8.0 watts, 5000K, 120 thru 277 volt, Asymmetric distribution	<b>GTT</b> Graphite Matte Texture <b>LGS</b> Light Grey Gloss Smooth	<b>DF</b> Double Fuse 208, 340, 480 <b>LDL</b> Lightly diffused lens
	<b>12LED-WW</b> 12 LED array, 14.8 watts, 3000K, 120 thru 277 volt, Asymmetric distribution	<b>LGT</b> Light Grey Matte Textured <b>PSS</b> Platinum Silver Gloss Smooth	
	<b>12LED-NW</b> 12 LED array, 14.8 watts, 4000K, 120 thru 277 volt, Asymmetric distribution	<b>VGT</b> Verde Green Matte Textured <b>WHS</b> White Gloss Smooth	
	<b>12LED-BW</b> 12 LED array, 14.8 watts, 5000K, 120 thru 277 volt, Asymmetric distribution	<b>WHT</b> White Matte Textured <b>CC</b> Custom Color <sup>3</sup>	

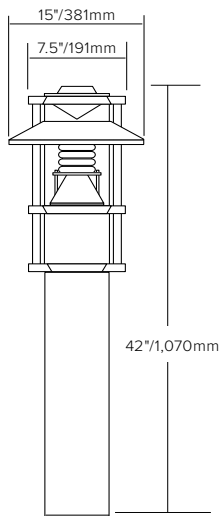
Notes:

1 Consult factory for custom color, marine and corrosive finish

**DELIVERED LUMENS**

Hood	LEDs #	Drive Current	Nominal Watts	Distribution	3000K 70CRI			4000K 70CRI			5000K 70CRI								
					Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)
						B	U	G			B	U	G			B	U	G	
ANG	6	350	8	Type 4 Asymmetric	376	2	0	1	47.0	390	0	2	1	47.8	413	0	3	1	51.6
	12		14.8	Type 5 Asymmetric	719	1	3	1	48.6	476	1	3	1	50.4	791	1	3	1	53.4

**DIMENSIONS**



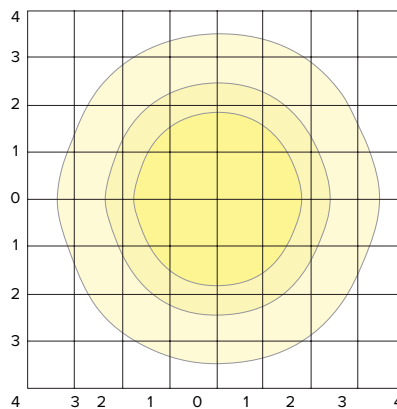
**PHOTOMETRY**

SPB-ANG-GLA-12LED-NW

**LUMINAIRE DATA**

Description	<b>NW,70CRI</b>
Delivered Lumens	<b>746</b>
Watts	<b>14.8</b>
Efficacy	<b>50.4</b>
IES Type	<b>Symmetric</b>
BUG Rating	<b>B1-U3-G1</b>
Mounting Height	<b>3.5 ft</b>
Grid Scale	<b>3.5 ft</b>

**ISOFOOT CANDLE PLOT**

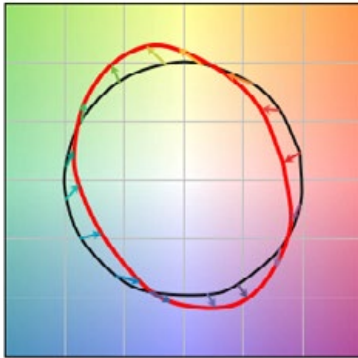


**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	301	40.4%
Downward House Side	301	40.4%
Downward Total	603	81%
Upward Street Side	71	10%
Upward House Side	71	10%
Upward Total	143	19%
Total Flux	746	100%

**ELECTRICAL CHARACTERISTICS**

**COLOR VECTOR GRAPHIC**

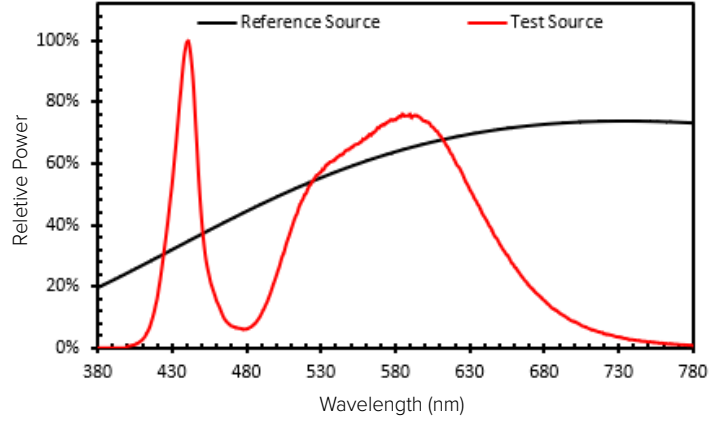


— Reference Illuminant — Test Source

**TEST SOURCE**

R <sub>r</sub>	68
R <sub>g</sub>	99
CCT(K)	3947
D <sub>uv</sub>	0.0004
x <sub>0</sub>	.3831
y <sub>0</sub>	.3793
CIE R <sub>a</sub>	72

**SPECTRAL POWER DISTRIBUTION COMPARISON**



**ELECTRICAL DATA**

Electrical										
Drive Current (mA)	LED Count	System Watts	Line Voltage		Amps AC				Min. Power Factor	Max THD (%)
			VAC	HZ	120	208	240	277		
350	6	8	120-277	50/60	0.07	0.04	0.03	0.03	>0.9	20
	12	14.8			0.12	0.07	0.06	0.05		

CRI LUMEN MULTIPLIER	
CCT	80CRI
3000K	0.9119
4000K	0.8941
5000K	0.8625