

Designed from the ground up as a totally optimized LED street and area lighting system, the XSP High Output Series delivers incredible efficacy without sacrificing application performance. Beyond substantial energy savings and reduced maintenance, Cree achieves greater optical control with our NanoOptic<sup>®</sup> Precision Delivery Grid™ optic when compared to traditional cobra head luminaires. The XSP High Output Series is the better alternative for traditional street and area lighting with quick payback and improved performance.

**Applications:** Roadway, parking lots, walkways, and general area spaces

### PERFORMANCE SUMMARY

NanoOptic<sup>®</sup> Precision Delivery Grid™ optic

Made in the U.S.A. of U.S. and imported parts

**Initial Delivered Lumens:** Up to 11,163

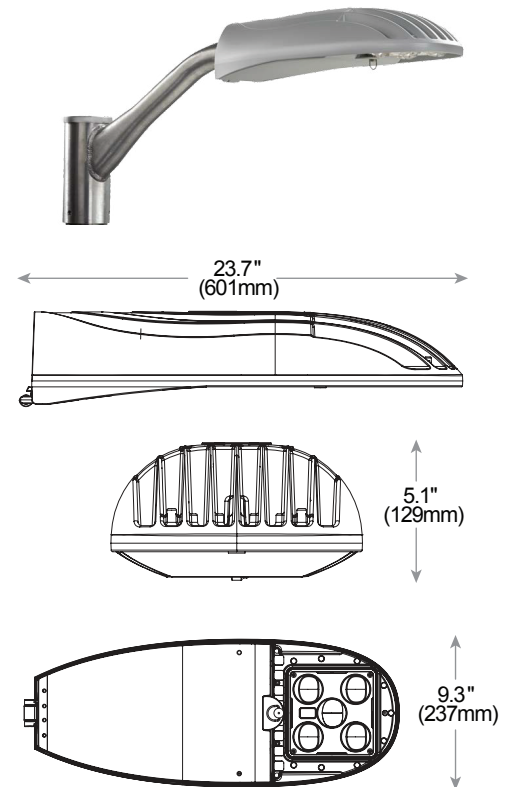
**Efficacy:** 152 - 110 LPW

**CRI:** Minimum 70 CRI

**CCT:** 3000K (+/- 300K); 4000K (+/- 300K); 5700K (+/- 500K)

**Limited Warranty\*:** 10 years on luminaire / 10 years on Colorfast DeltaGuard<sup>®</sup> finish

\* See <http://lighting.cree.com/warranty> for warranty terms.



Weight: 14.5 lbs (6.6 kg)

### OPTIONS

Product	Mounting	Optic	Input Power*	CCT	Voltage	Color Options	Options
BXSP1-HO	HT Horizontal Tenon	<b>2LG</b> Type II Long <b>3ME</b> Type III Medium <b>4ME</b> Type IV Medium	<b>10-100W</b> (based on location and profile)	<b>30K</b> 3000K <b>40K</b> 4000K <b>57K</b> 5700K	<b>DC</b>	<b>BK</b> Black <b>BZ</b> Bronze <b>SV</b> Silver	<b>Powered by EverGen EMS</b>

\* Please refer to System Overview page for your exact fixture specifications.



## PRODUCT SPECIFICATIONS

### Construction and Materials

- Die cast aluminum housing
- Tool-less entry
- Mounts on 1.25" (32mm) IP, 1.66" (42mm) O.D. or 2" (51mm) IP, 2.375" (60mm) O.D. horizontal tenon (minimum 8" [203mm] in length) and is adjustable +/- 5° to allow for fixture leveling (includes two axis T-level to aid in leveling)
- Luminaire secures with two mounting bolts standard
- Exclusive Colorfast DeltaGuard<sup>®</sup> finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation, and abrasion. Black, bronze, and silver are available.
- Weight: 14.5 lbs (6.6 kg)

### Electrical System

- **Input Voltage:** 12VDC

### Regulatory and Voluntary Qualifications

- cULus listed
- Suitable for wet locations
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- Meets CALTrans 611 Vibration testing
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- DLC Standard qualified when ordered with 30K, and DLC Premium qualified when ordered with 40K and 57K. Please refer to [www.designlights.org/QPL](http://www.designlights.org/QPL) for most current information
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- RoHS compliant. Consult factor for additional details
- Dark Sky Friendly, IDA Approved when ordered with 30K CCT. Please refer to <http://darksky.org/fsa/fsa-products/> for most current information
- Operating temperature: -40° to 55° C\* (-40° to 131° F\*)

## LUMINAIRE EPA

### Horizontal Tenon Mount – Weight: 18 lbs (8 kg)

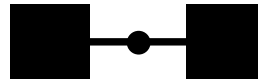
Single

2 @ 180°

### Tenon Configuration If used with Cree tenons, please add tenon EPA with luminaire EPA



PD-1H4; PT-1H  
0.71



PD-2H4 (180); PT-2H (180)  
1.43

\* Max storage temperature 55° C (131° F).

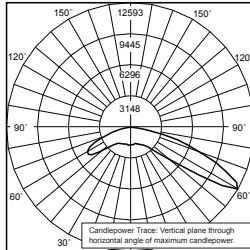
Specifications subject to local environmental conditions.  
Specifications may be subject to change.  
US and International patents apply. Other patents pending.  
"Sol" logo is a trademark of Sunna Design.

All Sol products are manufactured in facilities that are certified to ISO quality standards.  
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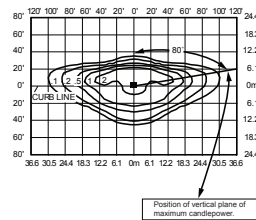
### PHOTOMETRY

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/street-and-roadway-xsp-series-1>

### 2LG



**RESTL Test Report #:** PL07625-001A  
**BXSP1-HO-\*\*-2LG-100W-40K-UL**  
**Initial Delivered Lumens:** 10,905



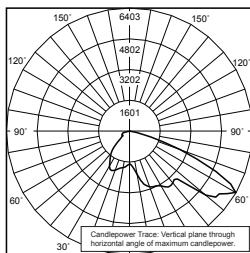
**BXSP1-HO-\*\*-2LG-100W-40K-UL**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 10,722  
**Initial FC at grade**

### Type II Long Distribution

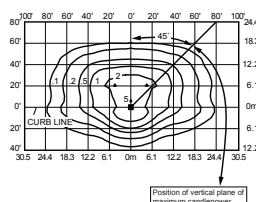
3000K		4000K		5700K	
Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
Up to 10,881	B3 U0 G3	Up to 11,044	B3 U0 G3	Up to 11,058	B3 U0 G3

\* Initial delivered lumens at 25° C (77° F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating, visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt

### 3ME



**RESTL Test Report #:** PL07628-001A  
**BXSP1-HO-\*\*-3ME-100W-40K-UL**  
**Initial Delivered Lumens:** 10,868



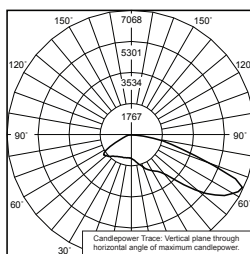
**BXSP1-HO-\*\*-3ME-100W-40K-UL**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 10,722  
**Initial FC at grade**

### Type III Medium Distribution

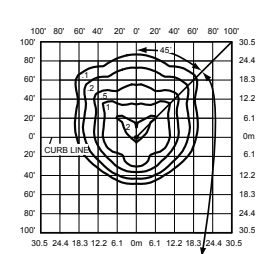
3000K		4000K		5700K	
Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
Up to 11,971	B2 U0 G2	Up to 12,055	B2 U0 G2	Up to 12,206	B2 U0 G2

\* Initial delivered lumens at 25° C (77° F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating, visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt

### 4ME



**RESTL Test Report #:** PL04171-001  
**BXSP1-HO-\*\*-4ME-100W-40K-UL**  
**Initial Delivered Lumens:** 10,983



**BXSP1-HO-\*\*-4ME-100W-40K-UL**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 10,722  
**Initial FC at grade**

### Type IV Medium Distribution

3000K		4000K		5700K	
Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
Up to 10,492	B2 U0 G2	Up to 10,566	B2 U0 G2	Up to 10,698	B2 U0 G2

\* Initial delivered lumens at 25° C (77° F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating, visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt

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