

Designed from the ground up as a totally optimized LED street and area lighting system, the XSP Series delivers incredible efficiency 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 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

**CRI:** Minimum 70 CRI

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

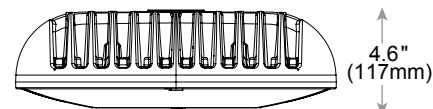
**Limited Warranty\*:** 10 years on luminaire / 10 years on Colorfast DeltaGuard<sup>®</sup> finish

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

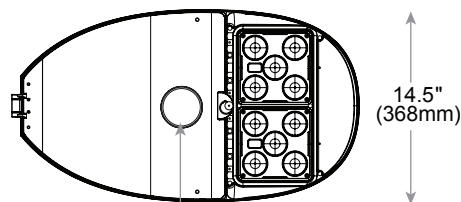


Shown with PT-1H Tenon

26.2"  
(665mm)



4.6"  
(117mm)



14.5"  
(368mm)

Multi-Level Sensor location  
(ordered as an option)

Shown with Type 5ME Optics

Weight: 26 lbs (12 kg)

### ORDERING INFORMATION

Example: BXSP-B-HT-3ME-B-40K-SL-BZ

BXSP	B	HT						
Product	Version	Mounting	Optic	Input Power	CCT	Voltage	Color Options	Options
BXSP	B	HT Horizontal Tenon	2LG Type II Long 3ME Type III Medium 4ME Type IV Medium 5ME Type V Medium	Up to 100W	40K 4000K 57K 5700K	DC	BK Black BZ Bronze SV Silver	Powered by EverGen EMS



## 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: 26 lbs (12 kg)

### Electrical System

- **Input Voltage:** 12 VDC

### 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
- 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
- DLC qualified versions available. Exceptions apply when N-Q9 or Q9 (select adjustments) options are ordered. Please refer to [www.designlights.org/QPL](http://www.designlights.org/QPL) for most current information
- RoHS compliant. Consult factor for additional details

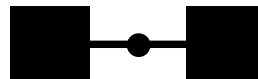
## LUMINAIRE EPA

### 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  
0.69

PD-2H4 (180); PT-2H (180)  
1.38

Specifications subject to local environmental conditions.

Specifications may be subject to change.

US and International patents apply. Other patents pending.

"Carmanah" and "Sol" logo are trademarks of Carmanah Technologies Corp.

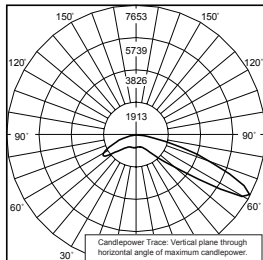
All Carmanah products are manufactured in facilities that are certified to ISO quality standards.

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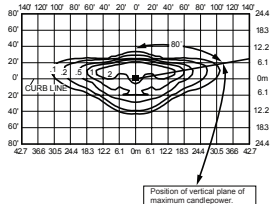
## PHOTOMETRY

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 #: PL04169-001**  
**BXSP-B\*\*-2LG-A-40K-UL**  
**Initial Delivered Lumens: 4.956**



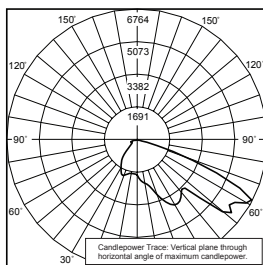
**BXSP-B-\*\*-2LG-A-40K-UL**  
**Mounting Height: 25' (7.6m) A.F.G.**  
**Initial Delivered Lumens: 9,758**  
 Initial FC at grade

Type II Long Distribution			
4000K		5700K	
Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
Up to 9,958	B2 U0 G2	Up to 10,550	B2 U0 G2

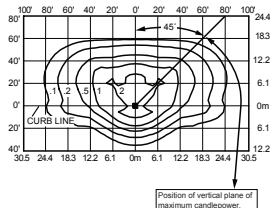
\* Initial delivered lumens at 25° C (77° F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* 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

### 3ME



**RESTL Test Report #: PL04173-001**  
**BXSP-B\*\*-3ME-B-40K-UL**  
**Initial Delivered Lumens: 10,260**



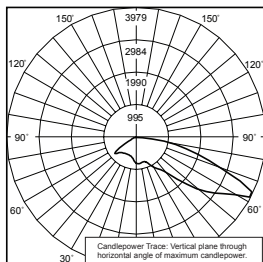
**BXSP-B-\*\*-3ME-B-40K-UL**  
**Mounting Height: 25' (7.6m) A.F.G.**  
**Initial Delivered Lumens: 9,612**  
 Initial FC at grade

Type III Medium Distribution			
4000K		5700K	
Initial Delivered Lumens*	BUG Ratings** Per TM- 15-11	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-11
Up to 9,710	B2 U0 G2	Up to 10,789	B2 U0 G2

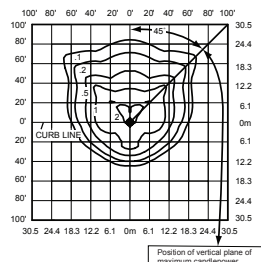
\* Initial delivered lumens at 25° C (77° F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* 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**  
**BXSP-B\*\*-4ME-A-40K-UL**  
**Initial Delivered Lumens: 4.947**



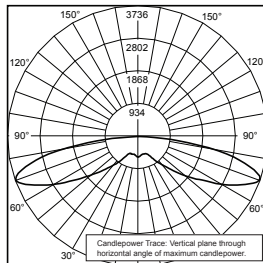
BXSP-B-\*\*-4ME-B-40K-UL  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 9,758  
 Initial FC at grade

Type IV Medium Distribution			
4000K		5700K	
Initial Delivered Lumens*	BUG Ratings** Per TM- 15-11	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-11
Up to 9,858	B2 U0 G2	Up to 10,550	B2 U0 G2

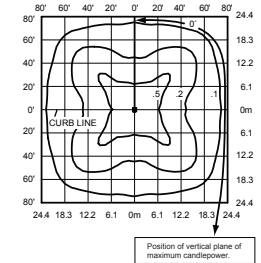
\* Initial delivered lumens at 25° C (77° F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* 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

## 5ME



**RESTL Test Report #: PL02880-001**  
**BXSP-B\*\*-5ME-B-40K-UL**  
**Initial Delivered Lumens: 8.714**



**BXSP-B\*\*-5ME-B-40K-UL**  
**Mounting Height: 25' (7.6m) A.F.G.**  
**Initial Delivered Lumens: 8,069**  
 Initial FC at grade

Type V Medium Distribution			
4000K		5700K	
Initial Delivered Lumens*	BUG Ratings** Per TM- 15-11	Initial Delivered Lumens*	BUG Ratings** Per TM- 15-11
Up to 7,984	B3 U1 G3	Up to 8,317	B3 U1 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

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