

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® 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® Precision Delivery Grid™ optic

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

Initial Delivered Lumens: Up to 13,669

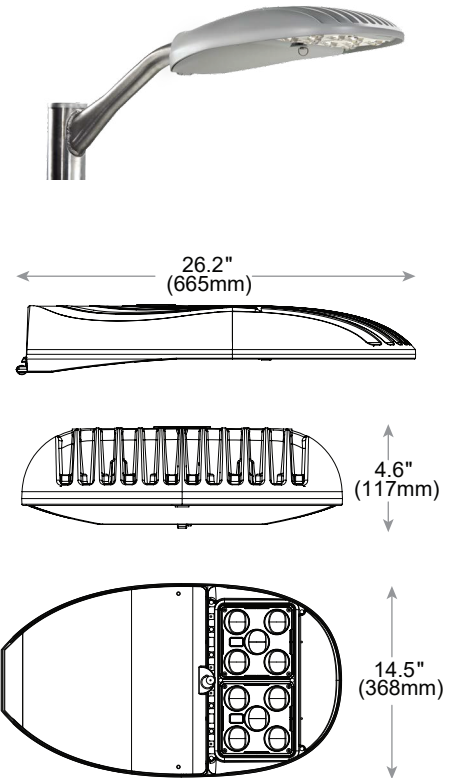
Efficacy: 160 - 134 LPW

CRI: Minimum 70 CRI

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

Limited Warranty*: 10 years on luminaire / 10 years on Colorfast DeltaGuard® finish

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



Weight: 24 lbs (11 kg)

OPTIONS

Product	Mounting	Optic	Input Power*	CCT	Voltage	Color Options	Options
BXSP2-HO	HT Horizontal Tenon	2LG Type II Long 3ME Type III Medium 4ME Type IV Medium	10-100W (based on location and profile)	30K 3000K 40K 4000K 57K 5700K	DC	BK Black BZ Bronze SV Silver	Powered by EverGen EMS

* 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® 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
- 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)

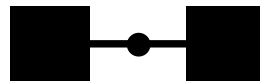
Single

2 @ 180°

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



PD-1H4; PT-1H
0.69

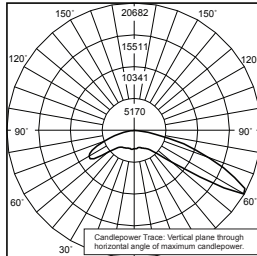


PD-2H4 (180); PT-2H (180)
1.38

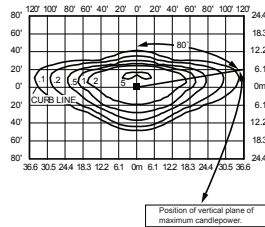
PHOTOMETRY

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 #: PL07602-001B
BXSP2-HO--2LG-165W-40K-UL**
Initial Delivered Lumens: 14,061



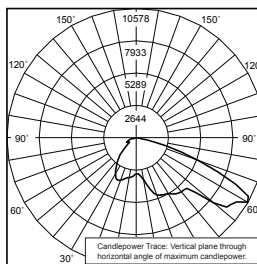
BXSP2-HO--2LG-165W-40K-UL**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 14,061
Initial FC at grade

Type II Long Distribution

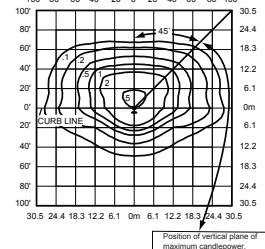
3000K		4000K		5700K	
Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
Up to 13,963	B3 U0 G3	Up to 14,061	B3 U0 G3	Up to 14,237	B3 U0 G3

* 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. Valid with no tilt

3ME



RESTL Test Report #: PL07603-001B
BXSP2-HO--3ME-165W-40K-UL**
Initial Delivered Lumens: 13,483



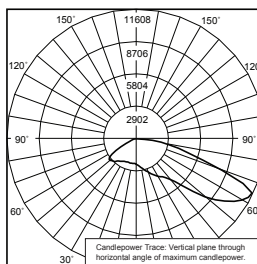
BXSP2-HO--3ME-165W-40K-UL**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 13,483
Initial FC at grade

Type III Medium Distribution

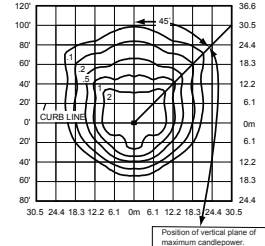
3000K		4000K		5700K	
Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
Up to 13,391	B3 U0 G3	Up to 13,483	B3 U0 G3	Up to 13,651	B3 U0 G3

* 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. Valid with no tilt

4ME



RESTL Test Report #: PL04171-001
BXSP2-HO--4ME-165W-40K-UL**
Initial Delivered Lumens: 12,450



BXSP2-HO--4ME-165W-40K-UL**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 12,450
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 12,363	B3 U0 G3	Up to 12,450	B3 U0 G3	Up to 12,606	B3 U0 G3

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