

XSP2L™ IP66 — BXSPA23

XSP Series LED Street Light – IP66 – Double Module
Horizontal / Vertical Tenon Mount – Type III

Product Description

Designed from the ground up as a totally optimized LED street light system, the XSP Series delivers incredible efficiency without sacrificing application performance. Beyond substantial energy savings and reduced maintenance, Cree achieves better optical control with our NanoOptic® Precision Delivery Grid™ optic than a traditional cobra head luminaire. The Cree XSP Series LED Street Light is the best alternative for traditional street lighting with better payback and better performance.

Performance Summary

Utilizes BetaLED® Technology

NanoOptic® Precision Delivery Grid™ optic

CRI: Minimum 70 CRI

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

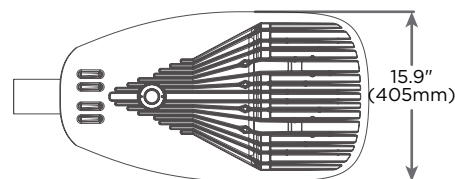
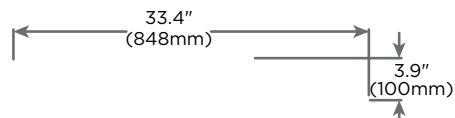
Limited Warranty¹: 10 years on luminaire / 10 years on Colorfast DeltaGuard® finish

Accessories

Field Installed Accessories

XA-XSPFTRKIT

- Fitter kit to mount to 1.25" (32mm) tenon



Ordering Information

Example: BXSPA23HL-US-OPTIONS

BXSP	A	2	3		L	-			
Product	Version	Mounting	Optic	Modules	Input Power Designator	-	Voltage	Color Options	Options
BXSP	A	2 Horizontal / Vertical Tenon	3 Type III	H 4000K P 5700K	L 169W	-	U Universal 120-277V	S Silver (Standard) T Black Z Bronze B Platinum Bronze W White	F Fuse - When code dictates fusing, use time delay fuse K Occupancy Control - Refer to Occupancy Control spec sheet for details N Utility Label and NEMA Photocell Receptacle - Refer to Field Adjustable Output spec sheet for details R NEMA Photocell Receptacle - Photocell by others U Utility - Label per ANSI C136.15 - Includes exterior wattage label that indicates the maximum available wattage of the luminaire - Refer to Field Adjustable Output spec sheet for details

¹ See www.cree.com/lighting/products/warranty for warranty terms.



Rev. Date: 06/27/13



Product Specifications

CONSTRUCTION & MATERIALS

- Die cast aluminum housing
- Tool-less entry
- Luminaire is designed to mount to 2" (51mm) IP (2.375" [60mm] O.D.) tenons, accommodating tenons up to 2.5" (64mm) in diameter
- Luminaire will also mount to 1.25" (32mm) IP, (1.66" [42mm] O.D.) tenon with XA-XSPFTRKIT accessory
- Fitter is capable of mounting to both vertical and horizontal tenons and can be tilted + / - 5°
- Designed with 0-10V dimming capabilities. Controls by others
- Includes field adjustable output
- 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. Standard is silver. Black, bronze, platinum bronze and white are also available

ELECTRICAL SYSTEM

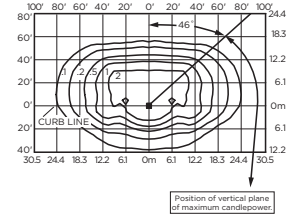
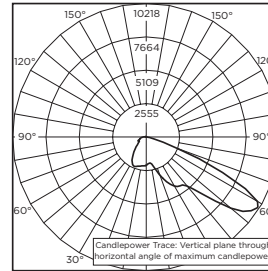
- **Input Voltage:** 120-277V, 50/60Hz
- Class 2 output
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C / D breaker should be used

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529
- Pending certification to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- 10kV surge suppression protection tested in accordance with IEEE / ANSI C62.41.2
- Pending CALTrans 611 Vibration testing
- 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

Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory.



ITL Test Report #: 76046
BXSPA*3HL-U
Initial Delivered Lumens: 13,296

BXSPA*3HL-U
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 13,130
 Initial FC at grade

EPA and Weight

Weight	EPA				
	1@90	2@90	2@180	3@90	4@90
36 lbs (16.3 kg)	0.692	1.140	1.384	1.832	2.280

Lumen Output, Electrical, and Lumen Maintenance Data

Type III Distribution										
Input Power Designator	4000K		5700K		System Watts 120-277V	TOTAL CURRENT				50K Hours Calculated Lumen Maintenance Factor @ 15° C (59° F)***
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11		120V	208V	240V	277V	
L	13,130	B2 UO G2	14,160	B2 UO G2	169	1.71	1.01	0.89	0.78	91%

*Actual production yield may vary between -4 and +10% of initial delivered lumens.
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit www.iesna.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf.
 *** For recommended lumen maintenance factor data see TD-13. Calculated L₇₀ based on 6,000 hours LM-80-08 testing: > 150,000 hours.

