

# XSP Series

XSPW™ LED Wall Mount Luminaire

## Product Description

The XSPW™ LED wall mount luminaire has a slim, low profile design intended for outdoor wall mounted applications. The rugged lightweight aluminum housing and mounting box are designed for installation over standard single gang J-Boxes and mud ring single gang J-Boxes. The luminaire allows for through-wired or conduit entry from the top, bottom, sides and rear. The housing design is intended specifically for LED technology including a weathertight LED driver compartment and thermal management. Optic design features industry-leading NanoOptic® Precision Delivery Grid™ system in multiple distributions.

**Applications:** General area and security lighting

## Performance Summary

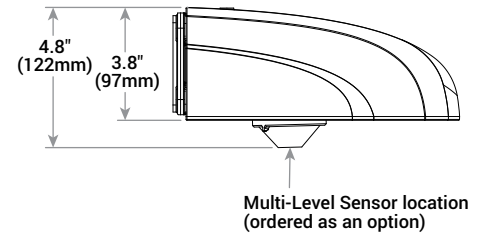
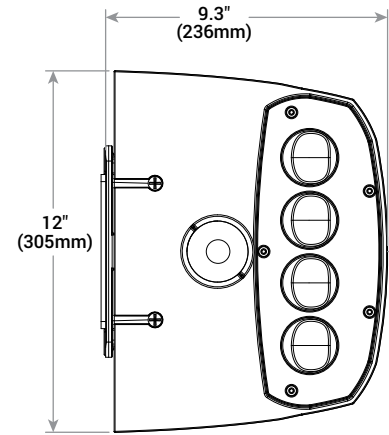
NanoOptic® Precision Delivery Grid™ optic
Made in the U.S.A. of U.S. and imported parts
<b>CRI:</b> Minimum 70 CRI
<b>CCT:</b> 4000K (+/- 300K), 5700K (+/- 500K)
<b>Limited Warranty*:</b> 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

\* See [www.cree.com/lighting/products/warranty](http://www.cree.com/lighting/products/warranty) for warranty terms

## Accessories

Field-Installed
<b>Beauty Plate</b> WM-PLT12** - 12" (305mm) Square WM-PMT14** - 14" (356mm) Square - Covers holes left by incumbent wall packs

\*\* Must specify color



Weight
9.5 lbs. (4.3kg)

## Ordering Information

Example: XSPW-A-0-2-F-C-U-Z

XSPW	A	0						
Product	Version	Mounting	Optic	Modules	Input Power Designator	Voltage	Color Options	Options
XSPW	A	0 Wall	2 Type II Medium 3 Type III Medium	F 4000K M 5700K	C 42W G 25W	U Universal 120-277V 1 120V 2 208-277V 6* 347V	S Silver T Black W White Z Bronze	<b>K Multi-Level</b> - Refer to ML spec sheet for details - Available with Input Power Designator C only <b>P Photocell</b> - Not available with K option - Must specify 1, 2, or 6 voltage <b>Y 0-10V Dimming</b> - Control by others - Available with Input Power Designator C only - Refer to dimming spec sheet for details

\* Available in Canada only

NOTE: Price adder may apply depending on configuration



Rev. Date: V6 07/31/2015



## Product Specifications

### CONSTRUCTION & MATERIALS

- Slim, low profile design
- Luminaire housing specifically designed for LED applications with advanced LED thermal management and driver
- Luminaire mounting box designed for installation over standard single gang J-Boxes and mud ring single gang J-Boxes
- Luminaire can also be direct mounted to a wall and surface wired
- Secures to wall with four 3/16" (5mm) screws (by others)
- Conduit entry from top, bottom, sides, and rear
- Designed and UL approved for easy through-wiring
- Designed for downlight applications only
- 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. Silver, black, white and bronze are available
- **Weight:** 9.5lbs. (4.3kg)

### ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347V, 50/60Hz, Class 2 driver
- **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
- **10V Source Current:** 0.15 mA

### REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529
- DLC qualified. Please refer to [www.designlights.org/QPL](http://www.designlights.org/QPL) for most current information
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15 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 factory for additional details

Electrical Data*							
Input Power Designator	System Watts 120-277V	System Watts 347V	Total Current				
			120V	208V	240V	277V	347V
C	42	46	0.36	0.21	0.19	0.16	0.14
G	25	27	0.22	0.13	0.11	0.10	0.08

\* Electrical data at 25°C (77°F)

Recommended XSPW Series Lumen Maintenance Factors (LMF) <sup>1</sup>						
Ambient	Input Power Designator	Initial LMF	25K hr Projected <sup>2</sup> LMF	50K hr Projected <sup>2</sup> LMF	75K hr Projected <sup>2</sup> LMF	100K hr Calculated <sup>3</sup> LMF
5°C (41°F)	C	1.04	1.02	1.01	1.00	1.00
	G					
10°C (50°F)	C	1.03	1.01	1.00	0.99	0.99
	G					
15°C (59°F)	C	1.02	1.00	0.99	0.98	0.98
	G					
20°C (68°F)	C	1.01	0.99	0.98	0.97	0.97
	G					
25°C (77°F)	C	1.00	0.98	0.97	0.96	0.96
	G					

<sup>1</sup> Lumen maintenance values at 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ luminaire testing

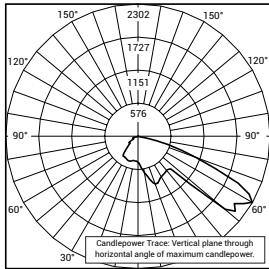
<sup>2</sup> In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)

<sup>3</sup> In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)

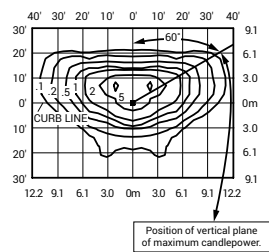
**Photometry**

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: [www.cree.com/Lighting/Products/Outdoor/Wall-Mount/XSP-Series](http://www.cree.com/Lighting/Products/Outdoor/Wall-Mount/XSP-Series)

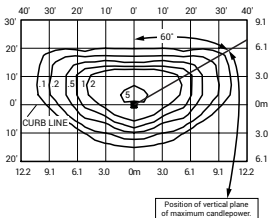
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CESTL Test Report #: 2014-0017  
 BXSPW-A\*-2-F-G-U-S  
 Initial Delivered Lumens: 2,739



BXSPW-A\*-2-F-C-U-S  
 Mounting Height: 10' (3.0m) A.F.G.  
 Initial Delivered Lumens: 3,819  
 Initial FC at grade

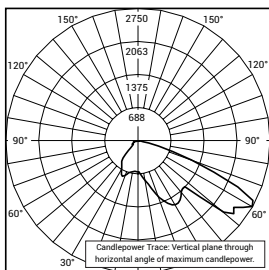


BXSPW-A\*-2-F-G-U-S  
 Mounting Height: 10' (3.0m) A.F.G.  
 Initial Delivered Lumens: 2,529  
 Initial FC at grade

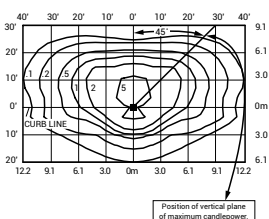
Type II Medium Distribution				
Input Power Designator	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
C	3,819	B1 U0 G1	4,109	B1 U0 G1
G	2,529	B1 U0 G1	2,722	B1 U0 G1

\* Initial delivered lumens at 25°C (77°F)  
 \*\* 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).

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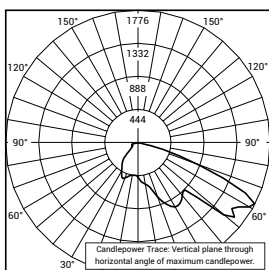
CESTL Test Report #: 2014-0018  
 BXSPW-A\*-3-F-C-U-S  
 Initial Delivered Lumens: 4,187



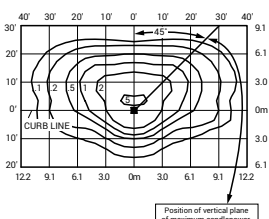
BXSPW-A\*-3-F-C-U-S  
 Mounting Height: 10' (3.0m) A.F.G.  
 Initial Delivered Lumens: 3,819  
 Initial FC at grade

Type III Medium Distribution				
Input Power Designator	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
C	3,819	B1 U0 G1	4,109	B1 U0 G1
G	2,529	B1 U0 G1	2,722	B1 U0 G1

\* Initial delivered lumens at 25°C (77°F)  
 \*\* 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).



CESTL Test Report #: 2014-0019  
 BXSPW-A\*-3-F-G-U-S  
 Initial Delivered Lumens: 2,692



BXSPW-A\*-3-F-G-U-S  
 Mounting Height: 10' (3.0m) A.F.G.  
 Initial Delivered Lumens: 2,529  
 Initial FC at grade