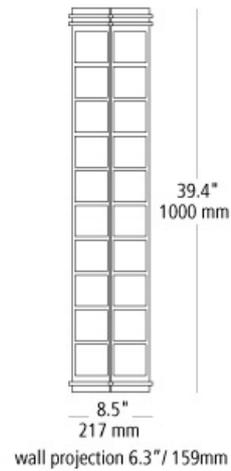


## modular new york large outdoor

### DESCRIPTION

Wall mounted specification grade indoor/outdoor luminaire. IP67 rated. Inner assembly constructed of extruded aluminum with a frosted acrylic cover. A double coat of epoxy primer and polyester powder-coating mean durability even in harsh outdoor conditions. The outer decorative cover is constructed of stainless steel. The brushed steel finish includes silver luminaire and has been electrophoretically coated which not only enhances the beauty of the finish, but also increases surface durability and helps to protect against damaging environmental conditions. The bronze finish includes bronze luminaire and utilizes a polyester powder coat paint to help protect against damaging environmental conditions. Mounts vertically only. Available in two fluorescent lamping options (lamps included): (2) 39 watt mini bi-pin base T5 high output linear fluorescent lamps, or (2) 25 watt bi-pin base T8 linear fluorescent lamps. Emergency ballast option also available. 120v or 277v.



### WEIGHT

31.00lb / 14.06kg ±



modular new york  
large outdoor

### ORDERING INFORMATION

model	finish	lamp	wet location
PW530	BZ bronze	25L1HB T8 bi-pin 2x25w 120v emergency ballast	W wet location
	SS stainless steel	25L1HE T8 bi-pin 2x25w 120v	
		25L2HB T8 bi-pin 2x25w 277v emergency ballast	
	25L2HE T8 bi-pin 2x25w 277v		
	39L1HB T5HO mini bi-pin 2x39w 120v Emergency Ballast		
	39L1HE T5HO mini bi-pin 2x39w 120v		
	39L2HB T5HO mini bi-pin 2x39w 277v Emergency Ballast		
	39L2HE T5HO mini bi-pin 2x39w 277v		

FIXTURE TYPE: \_\_\_\_\_

JOB NAME: \_\_\_\_\_

NOTES: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



7400 Linder Avenue  
Skokie, Illinois 60077

T 847.626.6300  
F 847.626.6350

[www.lblighting.com](http://www.lblighting.com)



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# OSQ Series

OSQ™ LED Area/Flood Luminaire – Medium

## Product Description

The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management and modern, clean aesthetics. Built to last, the housing is rugged cast aluminum with an integral, weathertight LED driver compartment. Versatile mounting configurations offer simple installation. Its slim, low-profile design minimizes wind load requirements and blends seamlessly into the site providing even, quality illumination. The 'B' Input power designator is a suitable upgrade for HID applications up to 250 Watt, and the 'K' Input power designator is a suitable upgrade for HID applications up to 400 Watt.

**Applications:** Parking lots, walkways, campuses, car dealerships, office complexes, and internal roadways

## Performance Summary

NanoOptic® Precision Delivery Grid™ optic

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

**Initial Delivered Lumens:** Up to 17,291

**Efficacy:** Up to 136 LPW

**CRI:** Minimum 70 CRI (4000K & 5700K; 3000K asymmetric optics); 80 CRI (3000K symmetric optics)

**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

## Accessories

Field-Installed	
<b>Backlight Shield</b> OSQ-BLSMF – Front facing optics OSQ-BLSMR – Rotated optics	<b>Hand-Held Remote</b> XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

## Ordering Information

Fully assembled luminaire is composed of two components that must be ordered separately:

Example: **Mount:** OSQ-AASV + **Luminaire:** OSQ-A-NM-2ME-B-40K-UL-SV

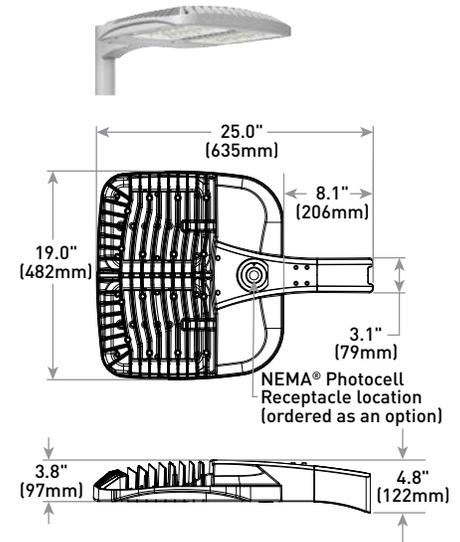
Mount (Luminaire must be ordered separately)*			
OSQ-			
OSQ-AA Adjustable Arm OSQ-DA Direct Arm	Color Options:	SV Silver BK Black	BZ Bronze WH White

\* Reference EPA and pole configuration suitability data beginning on page 7

Luminaire (Mount must be ordered separately)								
OSQ	A	NM						
Product	Version	Mounting	Optic	Input Power Designator	CCT	Voltage	Color Options	Options
OSQ	A	NM No Mount	<b>Asymmetric</b> 2ME* Type II Medium 4ME* Type IV Medium 3ME* Type III Medium  <b>Symmetric</b> 5ME Type V Medium 25D Type V Short 40D Type V Sign 60D Wide Sign 15D 15° Flood	B 86W K 130W	30K 3000K 40K 4000K 57K 5700K	UL Universal 120-277V UH Universal 347-480V	BK Black BZ Bronze SV Silver WH White	<b>DIM 0-10V Dimming</b> - Control by others - Refer to <a href="#">Dimming spec sheet</a> for details - Can't exceed wattage of specified input power designator  <b>F Fuse</b> - When code dictates fusing, use time delay fuse - Available for U.S. applications only  <b>ML Multi-Level</b> - Refer to <a href="#">ML spec sheet</a> for details - Available with UL voltage only - Intended for downlight applications at 0° tilt  <b>PML Programmable Multi-Level, up to 40° Mounting Height</b> - Refer to <a href="#">PML spec sheet</a> for details - Intended for downlight applications at 0° tilt
								<b>PML2 Programmable Multi-Level, 10-30° Mounting Height</b> - Refer to <a href="#">PML spec sheet</a> for details - Intended for downlight applications at 0° tilt  <b>Q9 Field Adjustable Output</b> - Refer to <a href="#">Field Adjustable Output spec sheet</a> for details  <b>R NEMA® Photocell Receptacle</b> - Intended for downlight applications with maximum 45° tilt - 3-pin receptacle per ANSI C136.10 - Photocell and shorting cap by others  <b>RL Rotate Left</b> - LED and optic are rotated to the left  <b>RR Rotate Right</b> - LED and optic are rotated to the right

\* Available with Backlight Shield when ordered with field-installed accessory (see table above)

## DA Mount



## Weight

26.5 lbs. (12kg)



Rev. Date: V12 10/09/2017

US: [lighting.cree.com](http://lighting.cree.com)

T (800) 236-6800 F (262) 504-5415

Canada: [www.cree.com/canada](http://www.cree.com/canada)



T (800) 473-1234 F (800) 890-7507

**Product Specifications**

**CONSTRUCTION & MATERIALS**

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high performance heat sink
- Convenient interlocking mounting method on direct arm mount. Mounting adaptor is rugged die cast aluminum and mounts to 3-6" (76-152mm) square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers
- Mounting for the adjustable arm mount adaptor is rugged die cast aluminum and mounts to 2" (51mm) IP, 2.375" (60mm) O.D. tenon
- Adjustable arm mount can be adjusted 180° in 2.5° increments
- Designed for uplight and downlight applications
- 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, bronze, black, and white are available
- **Weight:** 26.5 lbs. (12kg)

**ELECTRICAL SYSTEM**

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- **10V Source Current:** 0.15mA

**REGULATORY & VOLUNTARY QUALIFICATIONS**

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without R option
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- 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 and DLC Premium qualified versions available. Some exceptions apply. Please refer to <https://www.designlights.org/search/> for most current information
- RoHS compliant. Consult factory 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

Electrical Data*							
Input Power Designator	System Watts 120-480V	Total Current (A)					
		120V	208V	240V	277V	347V	480V
B	86	0.73	0.43	0.37	0.32	0.25	0.19
K	130	1.09	0.65	0.56	0.49	0.38	0.28

\* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/-10%

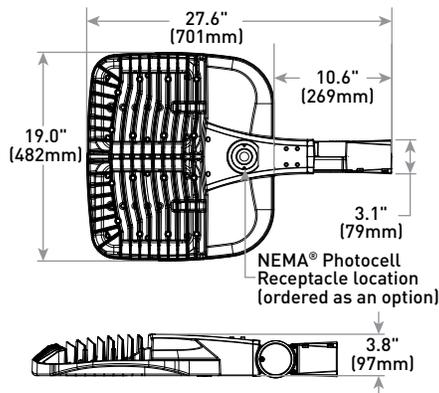
Recommended OSQ Series Lumen Maintenance Factors (LMF) <sup>1</sup>						
Ambient	Optic	Initial LMF	25K hr Projected <sup>2</sup> LMF	50K hr Projected <sup>2</sup> LMF	75K hr Projected <sup>2</sup> / Calculated <sup>3</sup> LMF	100K hr Calculated <sup>3</sup> LMF
5°C (41°F)	Asymmetric	1.04	1.00	0.95	0.91 <sup>3</sup>	0.87
	Symmetric	1.05	1.04	1.04	1.04 <sup>2</sup>	1.04
10°C (50°F)	Asymmetric	1.03	0.99	0.94	0.90 <sup>3</sup>	0.86
	Symmetric	1.04	1.03	1.03	1.03 <sup>2</sup>	1.03
15°C (59°F)	Asymmetric	1.02	0.98	0.93	0.89 <sup>3</sup>	0.86
	Symmetric	1.02	1.02	1.02	1.02 <sup>2</sup>	1.02
20°C (68°F)	Asymmetric	1.01	0.97	0.93	0.89 <sup>3</sup>	0.85
	Symmetric	1.01	1.00	1.00	1.00 <sup>2</sup>	1.00
25°C (77°F)	Asymmetric	1.00	0.96	0.92	0.88 <sup>3</sup>	0.84
	Symmetric	1.00	0.99	0.99	0.99 <sup>2</sup>	0.99

<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)

**AA Mount**

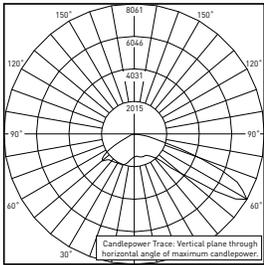


Weight
26.5 lbs. (12kg)

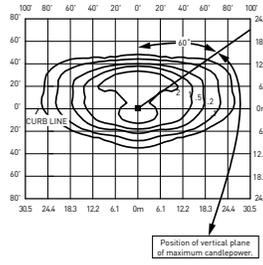
**Photometry**

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/area/osq-series>

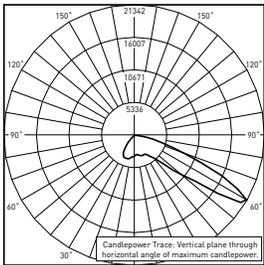
**2ME**



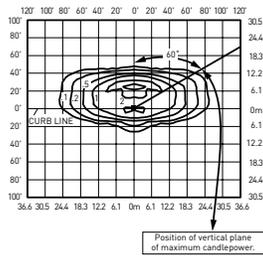
**RESTL Test Report #:** PL08877-001  
**OSQ-A\*\*-2ME-B-30K-UL**  
**Initial Delivered Lumens:** 10,381



**OSQ-A\*\*-2ME-B-40K-UL**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 11,424  
**Initial FC at grade**



**CESTL Test Report #:** PL07700-001A  
**OSQ-A\*\*-2ME-U-57K-UL w/OSQ-BLSLF**  
**Initial Delivered Lumens:** 22,822



**OSQ-A\*\*-2ME-U-57K-UL w/OSQ-BLSLF**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 8,779  
**Initial FC at grade**

**Type II Medium Distribution**

Input Power Designator	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
B	10,738	B2 U0 G2	11,424	B2 U0 G2	11,648	B2 U0 G2
K	16,022	B3 U0 G3	16,959	B3 U0 G3	17,291	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: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

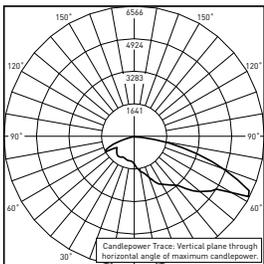
**Type II Medium w/BLS Distribution**

Input Power Designator	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
B	8,251	B2 U0 G2	8,779	B2 U0 G2	8,950	B2 U0 G2
K	12,312	B2 U0 G2	13,032	B2 U0 G2	13,286	B2 U0 G2

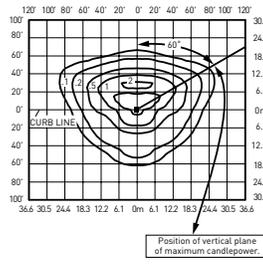
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

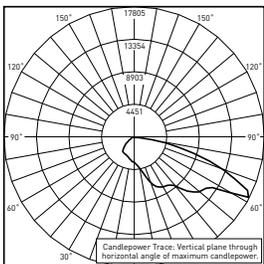
**3ME**



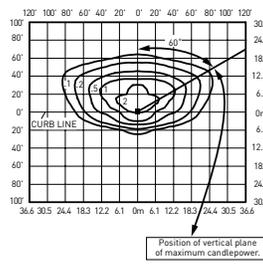
**RESTL Test Report #:** PL08876-001A  
**OSQ-A\*\*-3ME-B-30K-UL**  
**Initial Delivered Lumens:** 10,421



**OSQ-A\*\*-3ME-B-40K-UL**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 11,424  
**Initial FC at grade**



**CESTL Test Report #:** PL07699-001A  
**OSQ-A\*\*-3ME-U-57K-UL w/OSQ-BLSLF**  
**Initial Delivered Lumens:** 23,601



**OSQ-A\*\*-3ME-U-57K-UL w/OSQ-BLSLF**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 9,019  
**Initial FC at grade**

**Type III Medium Distribution**

Input Power Designator	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
B	10,738	B3 U0 G3	11,424	B3 U0 G3	11,648	B3 U0 G3
K	16,022	B3 U0 G3	16,959	B3 U0 G3	17,291	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: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

**Type III Medium w/BLS Distribution**

Input Power Designator	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
B	8,477	B1 U0 G2	9,019	B1 U0 G2	9,196	B1 U0 G2
K	12,649	B2 U0 G2	13,389	B2 U0 G2	13,650	B2 U0 G2

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

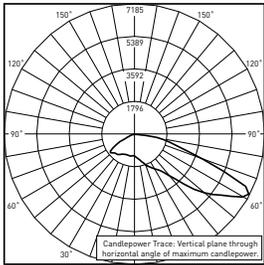
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt



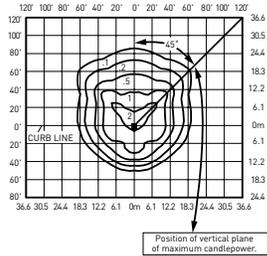
**Photometry**

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/area/osq-series>

**4ME**



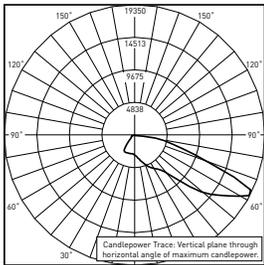
RESTL Test Report #: PL08878-001A  
OSQ-A-\*\*-4ME-B-30K-UL  
Initial Delivered Lumens: 10,230



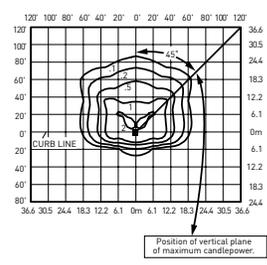
OSQ-A-\*\*-4ME-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 11,424  
Initial FC at grade

Type IV Medium Distribution						
Input Power Designator	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
B	10,738	B2 U0 G2	11,424	B2 U0 G2	11,648	B2 U0 G2
K	16,022	B3 U0 G3	16,959	B3 U0 G3	17,291	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: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt



CESTL Test Report #: PL07692-001A  
OSQ-A-\*\*-4ME-U-57K-UL w/OSQ-BLSLF  
Initial Delivered Lumens: 22,793

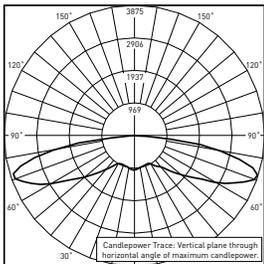


OSQ-A-\*\*-4ME-B-40K-UL w/OSQ-BLSMF  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 8,779  
Initial FC at grade

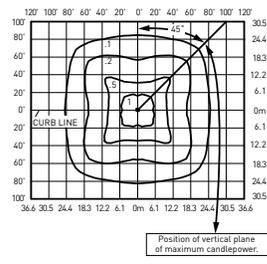
Type IV Medium w/BLS Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11
B	8,251	B1 U0 G2	8,779	B1 U0 G2	8,950	B1 U0 G2
K	12,312	B2 U0 G2	13,032	B2 U0 G2	13,286	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: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

**5ME**



CESTL Test Report #: PL08101-001C  
OSQ-A-\*\*-5ME-B-30K-UL  
Initial Delivered Lumens: 9,304

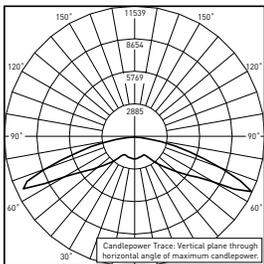


OSQ-A-\*\*-5ME-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 10,867  
Initial FC at grade

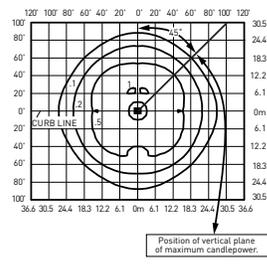
Type V Medium Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	9,387	B3 U0 G3	10,867	B4 U0 G4	11,056	B4 U0 G4
K	13,819	B4 U0 G4	15,999	B4 U0 G5	16,277	B4 U0 G5

\* 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: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

**5SH**



CESTL Test Report #: PL0754-001A  
OSQ-A-\*\*-5SH-U-40K-UL  
Initial Delivered Lumens: 25,679



OSQ-A-\*\*-5SH-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 11,478  
Initial FC at grade

Type V Short Distribution						
Input Power Designator	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
B	9,914	B4 U0 G2	11,478	B4 U0 G2	11,678	B4 U0 G2
K	14,595	B4 U0 G3	16,897	B4 U0 G3	17,191	B4 U0 G3

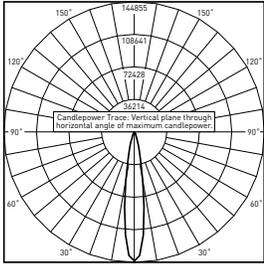
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt



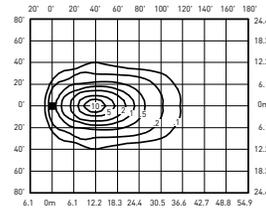
**Photometry**

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/area/osq-series>

**15D**



CESTL Test Report #: PL07689-001A  
OSQ-A\*\*-15D-U-30K-UL  
Initial Delivered Lumens: 23,254



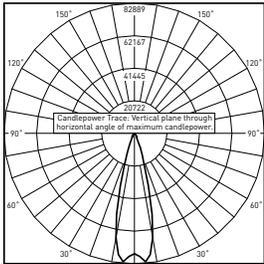
OSQ-A\*\*-15D-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 11,478  
Initial FC at grade

**15° Flood Distribution**

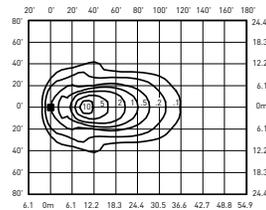
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	9,914	11,478	11,678
K	14,595	16,897	17,191

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

**25D**



CESTL Test Report #: PL07687-001A  
OSQ-A\*\*-25D-U-30K-UL  
Initial Delivered Lumens: 23,265



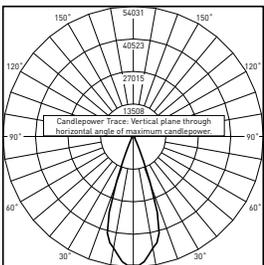
OSQ-A\*\*-25D-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 11,478  
Initial FC at grade

**25° Flood Distribution**

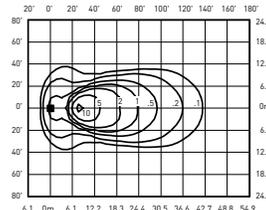
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	9,914	11,478	11,678
K	14,595	16,897	17,191

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

**40D**



CESTL Test Report #: PL07697-001A  
OSQ-A\*\*-40D-U-30K-UL  
Initial Delivered Lumens: 22,943



OSQ-A\*\*-40D-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 11,478  
Initial FC at grade

**40° Flood Distribution**

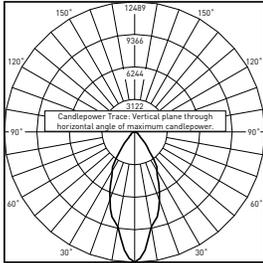
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	9,914	11,478	11,678
K	14,595	16,897	17,191

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

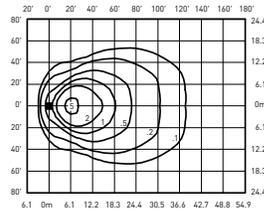
**Photometry**

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/area/osq-series>

**60D**



CESTL Test Report #: PL08100-001B  
OSQ-A-\*\*-60D-B-30K-UL  
Initial Delivered Lumens: 10,079



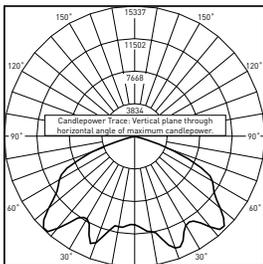
OSQ-A-\*\*-60D-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 11,478  
Initial FC at grade

**60° Flood Distribution**

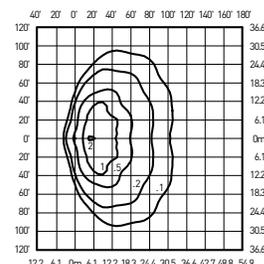
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*		
B	9,914	11,478	11,678
K	14,595	16,897	17,191

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

**WSN**



CESTL Test Report #: PL07695-001A  
OSQ-A-\*\*-WSN-U-30K-UL  
Initial Delivered Lumens: 23,116



OSQ-A-\*\*-WSN-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 11,478  
Initial FC at grade

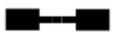
**Wide Sign Distribution**

Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*		
B	9,914	11,478	11,678
K	14,595	16,897	17,191

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

**Luminaire EPA**

<b>Fixed Arm Mount – OSQ-DA</b> Weight: 26.5 lbs. (12kg)					
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
					
0.74	1.48	1.19	1.93	1.63	2.38

<b>Adjustable Arm Mount – OSQ-AA</b> Weight: 26.5 lbs. (12kg)							
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 180°	4 @ 90°
<b>Tenon Configuration</b> [0° -80° Tilt]; If used with Cree tenons, please add tenon EPA with Luminaire EPA							
							
PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-2A*; PD-2A4(90); PT-2(90)	PB-3A*; PD-3A4(90); PT-3(90)	PB-3A*; PT-3(120)	PB-3A*; PB-3R2.375	PB-4A*(180)	PB-4A*(90); PB-4R2.375; PD-4A4(90); PT-4(90)
<b>0° Tilt</b>							
0.74	1.48	1.19	1.93	1.63	3.33	4.66	2.38
<b>10° Tilt</b>							
0.75	1.48	1.49	2.23	2.15	4.22	5.84	2.98
<b>20° Tilt</b>							
1.12	1.48	1.86	2.60	2.85	5.31	7.32	3.72
<b>30° Tilt</b>							
1.46	1.48	2.20	2.94	3.56	6.34	8.68	4.40
<b>45° Tilt</b>							
1.96	1.96	2.69	3.43	4.54	7.83	10.68	5.38
<b>60° Tilt</b>							
2.33	2.33	3.07	3.81	5.11	8.94	12.16	6.14
<b>70° Tilt</b>							
2.49	2.49	3.23	3.97	5.11	9.43	12.80	6.46
<b>80° Tilt</b>							
2.58	2.58	3.32	4.06	5.11	9.71	13.16	6.64
<b>Tenon Configuration</b> [90° Tilt]; If used with Cree tenons, please add tenon EPA with Luminaire EPA							
PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-2A*	PB-3A*	PB-3A*; PT-3(120)	PB-3A*; PB-3R2.375	PB-4A*(180)	PB-4A*(90); PB-4R2.375
<b>90° Tilt</b>							
2.61	2.61	4.44	6.05	5.11	9.79	13.28	10.39

\* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation  
 \*\* These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]



**Tenon EPA**

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*(180)	2.22
PB-4A*(90)	1.11
PB-2R2.375	0.92
PB-3R2.375	1.62
PB-4R2.375	2.32
PD Series Tenons	0.09
PT Series Tenons	0.10
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-4	0.25
WM-DM	None

\* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation  
 \*\* These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]

Tenons and Brackets* (must specify color)	
<b>Square Internal Mount Vertical Tenons (Steel)</b> - Mounts to 3-6" [76-152mm] square aluminum or steel poles PB-1A* – Single                      PB-4A*(90) – 90° Quad PB-2A* – 180° Twin                PB-4A*(180) – 180° Quad PB-3A* – 180° Triple	<b>Round External Mount Vertical Tenons (Steel)</b> - Mounts to 2.375" [60mm] O.D. round aluminum or steel poles or tenons PB-2R2.375 – Twin                      PB-4R2.375 – Quad PB-3R2.375 – Triple
<b>Square Internal Mount Horizontal Tenons (Aluminum)</b> - Mounts to 4" [102mm] square aluminum or steel poles PD-2A4(90) – 90° Twin                PD-3A4(90) – 90° Triple PD-2A4(180) – 180° Twin            PD-4A4(90) – 90° Quad	<b>Round External Mount Horizontal Tenons (Aluminum)</b> - Mounts to 2.375" [60mm] O.D. round aluminum or steel poles or tenons - Mounts to square pole with PB-1A* tenon PT-1 – Single (Vertical)                PT-3(90) – 90° Triple PT-2(90) – 90° Twin                    PT-4(90) – 90° Quad PT-2(180) – 180° Twin
<b>Wall Mount Brackets</b> - Mounts to wall or roof WM-2 – Horizontal for OSQ-AA mount WM-4 – L-Shape for OSQ-AA mount WM-DM – Plate for OSQ-DA mount	<b>Mid-Pole Bracket</b> - Mounts to square pole PW-1A3** – Single                      PW-2A3** – Double
	<b>Ground Mount Post</b> - For ground mounted flood luminaires PGM-1 - for OSQ-AA mount

\* Refer to the [Bracket and Tenons spec sheet](#) for more details

**Direct Mount Configurations**

Compatibility with OSQ-DA Direct Mount Bracket					
Input Power Designator	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
<b>3" Square</b>					
B & K	N/A	✓	N/A	N/A	N/A
<b>3" Round</b>					
B & K	N/A	✓	N/A	N/A	N/A
<b>4" Square</b>					
B & K	✓	✓	✓	N/A	✓
<b>4" Round</b>					
B & K	✓	✓	✓	✓	✓
<b>5" Square</b>					
B & K	✓	✓	✓	N/A	✓
<b>5" Round</b>					
B & K	✓	✓	✓	✓	✓
<b>6" Square</b>					
B & K	✓	✓	✓	N/A	✓
<b>6" Round</b>					
B & K	✓	✓	✓	✓	✓



# 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

Assembled 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® finish

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

## Accessories

### Field-Installed

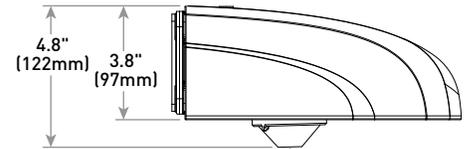
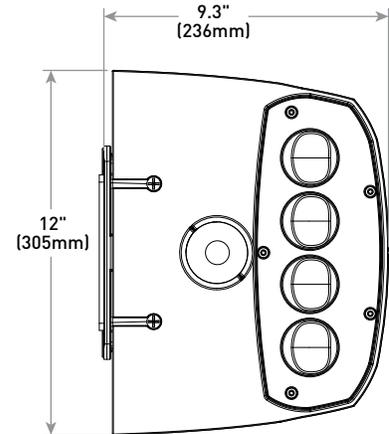
#### Beauty Plate

WM-PLT12\*\* - 12" (305mm) Square

WM-PLT14\*\* - 14" (356mm) Square

- Covers holes left by incumbent wall packs

\*\* Must specify color



Multi-Level Sensor location  
(ordered as an option)

### Weight

9.5 lbs. (4.3kg)

## Ordering Information

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

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	K <b>Multi-Level</b> - Refer to ML spec sheet for details - Available with Input Power Designator C only - Available with U and 6 voltages only P <b>Photocell</b> - Not available with K option - Available with 1 or 2 voltages only

\* Available in Canada only. 347V utilizes magnetic step-down transformer. For input power for 347V, refer to the Electrical Data table



Rev. Date: VersionA V8 09/06/2017



US: [lighting.cree.com](http://lighting.cree.com)

T (800) 236-6800 F (262) 504-5415

Canada: [www.cree.com/canada](http://www.cree.com/canada)

T (800) 473-1234 F (800) 890-7507

## 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
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Class 2 driver
- Integral 10kV surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- C Input Power Designator is designed with 0-10V dimming capabilities standard. Controls by others
- **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, 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 factory for additional details

Electrical Data*							
Input Power Designator	System Watts 120-277V	System Watts 347V	Total Current (A)				
			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). Actual wattage may differ by +/- 10% when operating between 120-347V +/- 10%

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

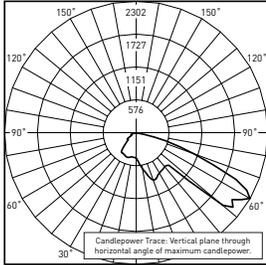
<sup>2</sup> In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip)

<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)

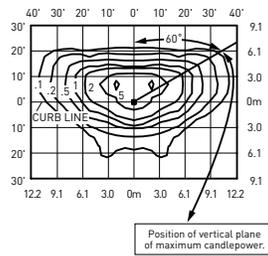
**Photometry**

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: <http://lighting.cree.com/products/outdoor/wall-mount/xsp-series-wall>

2



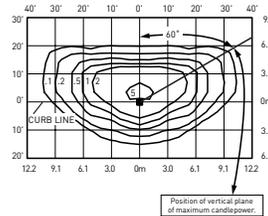
**CESTL Test Report #: 2014-0017**  
**XSPW-A\*-2-F-G-U-S**  
**Initial Delivered Lumens: 2,739**



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

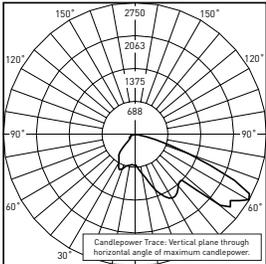
Type II Medium Distribution				
Input Power Designator	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
C	3,819	B1 U0 G1	4,109	B1 U0 G1
G	2,529	B1 U0 G1	2,722	B1 U0 G1

\* Initial delivered lumens at 25°C (77°F). 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: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>.

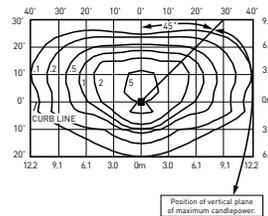


**XSPW-A\*-2-F-G-U-S**  
**Mounting Height: 10' (3.0m) A.F.G.**  
**Initial Delivered Lumens: 2,529**  
**Initial FC at grade**

3



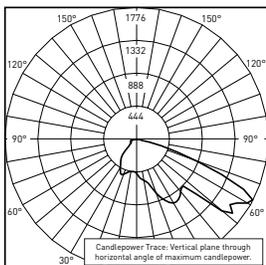
**CESTL Test Report #: 2014-0018**  
**XSPW-A\*-3-F-G-U-S**  
**Initial Delivered Lumens: 4,187**



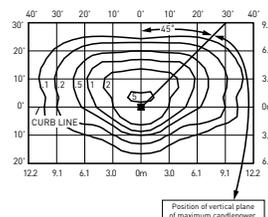
**XSPW-A\*-3-F-C-U-S**  
**Mounting Height: 10' (3.0m) A.F.G.**  
**Initial Delivered Lumens: 3,819**  
**Initial FC at grade**

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). 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: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>.



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



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