

CPY Series

CPY250™ LED Canopy/Soffit Luminaire

TYPE BO

CPY250-A-DM-F-20W-UL-WH-40K

Product Description

The CPY250™ LED Canopy/Soffit Luminaire has an extremely thin profile constructed of rugged cast aluminum. It can be surface mounted easily from below the canopy deck. Direct imaging of the LEDs is eliminated with a highly efficient patterned flat drop glass lens.

Applications: Petroleum canopies, CNG fueling stations, low-medium bay general lighting, soffits

Performance Summary

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

CRI: Minimum 70 CRI

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

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

IP66 Rated (Direct Mount only)

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

Accessories

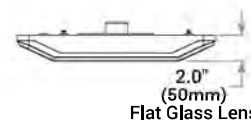
Field-Installed	
Direct Mount Luminaires	Direct Mount Junction Box/Stem Kit
Canopy Upgrade Kits	XA-BXCCJB0X – 6.0" (152mm) H x 3/4" (19mm) NPT Stem
XA-BXCCMW – for use with Jet-Phillips	- Watertight
XA-BXCCNW – for use with ElSCO Franciscan	- Rated for feed through 8 (4 in, 4 out) #12 AWC conductors
XA-BXCCPW – for use with LSI Dakota or Masters	
XA-BXCCQW – for use with Whiteway Riviera or Rig-A-Lite	Direct Mount Beauty Plates
XA-BXCCRW – for use with ElSCO Merrit	XA-BXCCBPW – Plate Only
XA-BXCCSW – for use with LSI Richmond or Whiteway Civic	XA-BXCCBPB12W – Plate w/ 12" (305mm) Backer
	XA-BXCCBPB16W – Plate w/ 16" (406mm) Backer

*Must specify color

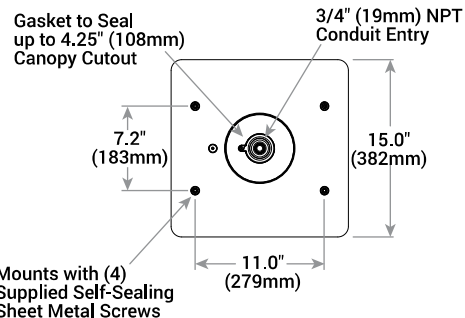
DM Mount



Flat Lens



Flat Glass Lens



Mounts with (4) Supplied Self-Sealing Sheet Metal Screws

Weight

12.5 lbs (5.7kg)

Ordering Information

Example: BXCC9047&

BXCC9047&						
Product	Version	Mounting	Optic	Input Power	Voltage	Color Options
CPY250	A	DM Direct	F Flat Lens	20W	UL Universal 120-277V	WH White



US: www.cree.com/lighting

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

Rev. Date: V1 12/21/2015

Canada: www.cree.com/canada



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

CPY250™ LED Canopy/Soffit Luminaire

Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile design
- Easy mounting and servicing from below the deck
- Luminaire housing is constructed of rugged cast aluminum with integral heat sink specifically designed for LED
- Flat lens is 0.125" tempered Solite® glass
- Direct mount is suitable for use in single or double skin canopies with a minimum 4.0" (102mm) wide panels and a minimum 22 gauge, 0.030" (0.7mm) canopy thickness
- Direct mount luminaire mounts directly to the canopy deck with the drilling of a single 2" to 4" (51mm to 102mm) round hole, is secured in place with self-sealing screws that provides a weathertight seal and includes 3/4" (19mm) conduit entry for direct wire feed
- Exclusive white Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion.
- **Weight:** 12.5 lbs. (5.7kg)

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 6kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C/D breaker should be used
- **10V Source Current:** 0.15mA
- **Operating Temperature Range:** -40°C - +45°C (plywood), -40°C - +50°C (sheet metal/suspended)
WARNING: Exceeding maximum operating temperature may result in thermal foldback

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations when ordered with DM mount
- Enclosure rated IP66 per IEC 60529 when ordered with DM mount
- Consult factory for CE Certified products
- 6kV 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

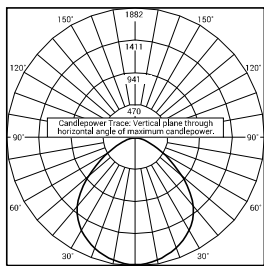
Electrical Data*							
System Watts 120-277V	System Watts 347-480V	Total Current					
		120V	208V	240V	277V	347V	480V
20	N/A	0.19	0.11	0.09	0.08	N/A	N/A

* Electrical data at 25°C (77°F)

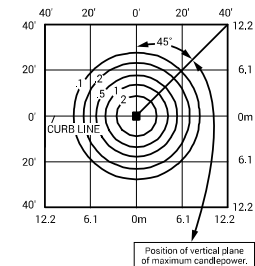
Recommended CPY Series Lumen Maintenance Factors (LMF) ¹					
Ambient	Initial LMF	25K hr Projected ² LMF	50K hr Projected ² LMF	75K hr Projected ² LMF	100K hr Projected ² LMF
5°C (41°F)	1.05	1.00	0.93	0.87	0.81
10°C (50°F)	1.04	0.99	0.92	0.86	0.80
15°C (59°F)	1.02	0.97	0.91	0.84	0.79
20°C (68°F)	1.01	0.96	0.90	0.84	0.78
25°C (77°F)	1.00	0.95	0.89	0.83	0.77
30°C (86°F)	0.99	0.94	0.88	0.82	0.76

¹ Lumen maintenance values at 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ luminaire testing on sheet metal
² 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)

FLAT LENS



RESTL Test Report #: PL03374-001
CPY250-A-**-F-C-UL-40K
Initial Delivered Lumens: 4,485



BXCC90478
Mounting Height: 15' (4.6m)
Initial Delivered Lumens: 2,000
Initial FC at grade

Flat Lens Distribution	
4000K	
Initial Delivered Lumens [*]	BUG Ratings ^{**} Per TM-15-11
2,000	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

ZR-C Commercial Series

ZR22™ 2' x 2' Commercial Series LED Troffer with Matte Finish

Product Description

The ZR-C Commercial Series is a commercial spec-grade LED troffer delivering superior energy efficiency of up to 135 lumens per watt for maximum energy savings. The ZR-C delivers a visually comforting aesthetic with better light distribution enhanced with a soft matte finish housing. ZR-C Commercial Series comes standard with 80+ CRI color quality, 0-10V dimming down to 5% standard, and a new unique snap and lock room-side removable lens, making it the perfect combination of affordability and performance.

Performance Summary

Efficacy: Up to 135 LPW

Initial Delivered Lumens: 3,200 or 4,000 lumens

Input Power: 26 or 32 watts

CRI: 80+ CRI

CCT: 3000K (32L only), 3500K, 4000K, 5000K (32L only)

Input Voltage: 120-277 VAC

Limited Warranty*: 5 years on luminaire

Limited Warranty Emergency Back Up (EB) Battery: 1 Year on Battery Back Up. Test regularly in accordance with local codes

Controls: 0-10V dimming to 5%

Mounting: Recessed*

Room-side accessible snap and lock removable lens

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

* Not intended for use with 9/16" T-Bar grids unless used with a 9/16" accessory clip like "Armstrong® LFC- Fixture Clip" which can be purchased through distribution. Consult factory for non-standard grid applications.

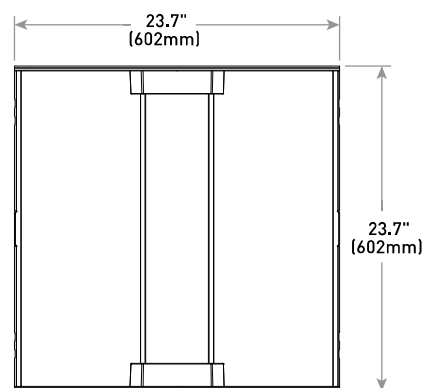
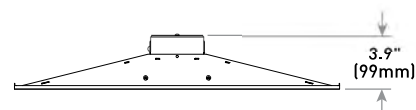
Accessories

Field-Installed	
Drywall Grid Adapter DGA22-WHT	Wireless 0-10V Dimming/Switching Interface with Cree Smartcast® Technology CIF-10V-CWC-SNSR - For use with luminaires with 10V controls when integral SmartCast isn't available
Surface Mount Kit SMK-ZR22 - Not for use with EB14 or SmartCast® Technology	Cree SmartCast® Technology Configuration Tool CCT-CWC-1 - One required per project when CIF-10V is selected
6' Flexible Power Whip PW-18/4-06-9T-SS - For use in non-dimming applications only	Chicago Plenum Field Kit CPLZR - Fits all ZR types to be installed in the field

Ordering Information

Example: ZR22C-32L-35K-10V-FD

Product	Initial Delivered Lumens	CCT	Voltage	Control	CRI	Options
ZR22C	32L 26W, 3,200 lumens 40L 32W, 4,000 lumens	30K 3000K - Available with 32L only 35K 3500K 40K 4000K 50K 5000K - Available with 32L only	Blank 120-277 Volt	10V 0-10V dimming to 5%	FD 80+ CRI	EB14 Emergency Backup - 1,400 lumens - Provides 90 minutes of emergency operation



Rev. Date: V4 10/08/2018



ZR22™ 2' x 2' Commercial Series LED Troffer with Matte Finish

Product Specifications

CONSTRUCTION & MATERIALS

- Durable 22 ga. cold rolled steel housing provides strength and uniformity
- Ultra-thin 3.9" [99mm] luminaire height and lightweight design effectively target a broad range of plenum spaces and allow for easy installations
- Luminaire is pre-painted for enhanced smooth matte finish
- Includes t-bar clips and holes for mounting support wires (by others)
- Luminaire sides and ends are hemmed in for safe, easy handling
- Includes lens gasket to prevent ingress of insects
- Not for installation within 3" (76mm) of insulation
- Removable lens for easy maintenance and cleaning
- Magnetic lens to prevent dust and bug intrusion

OPTICAL SYSTEM

- Unique luminaire design creates perfect balance of both horizontal and vertical illumination
- Optimized smooth acrylic lens eliminates pixelation and delivers a low-glare, diffused light distribution

ELECTRICAL SYSTEM

- **Power Factor:** = 0.9 nominal
- **Input Power:** Stays constant over life
- **Input Voltage:** 120-277V, 60Hz
- **Operating Temperature Range:** 0°C - + 35°C [32°F - + 95°F]
- **Total Harmonic Distortion:** < 20%; < 22% [EB14]

CONTROLS

- Continuous dimming to 5% with 0-10V DC control protocol
- **10V Source Current:** 0.25mA
- For use with Class 2 dimming systems only
- Use only lighting controls with neutral connection or controls intended for use with LED fixtures
- Reference www.creelink.com/exLink.asp?70982140Z58R34I26620963 for recommended dimming controls and wiring diagrams

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for damp locations
- Designed for indoor use
- UL924 (EB option). Maximum mounting height: 15.0' [4.6m]
- RoHS compliant. Consult factory for additional details
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- DLC Premium qualified. Please refer to <https://www.designlights.org/search/> for most current information
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*					
Initial Delivered Lumens	System Watts 120-277V	Total Current (A)			
		120V	208V	240V	277V
32L	26	0.21	0.13	0.11	0.10
32L w/EB14 Option	28	0.24	0.16	0.14	0.12
40L	32	0.25	0.15	0.13	0.12
40L w/EB14 Option	34	0.30	0.18	0.16	0.14

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V +/- 10%

ZR-C Series Ambient Adjusted Lumen Maintenance ¹					
Ambient	Initial LMF	25K hr Projected ² LMF	50K hr Projected ² LMF	75K hr Calculated ³ LMF	100K hr Calculated ³ LMF
0°C (32°F)	1.04	0.98	0.90	0.83	0.77
5°C (41°F)	1.03	0.97	0.89	0.82	0.76
10°C (50°F)	1.02	0.96	0.89	0.82	0.75
15°C (59°F)	1.01	0.95	0.88	0.81	0.74
20°C (68°F)	1.01	0.95	0.88	0.81	0.74
25°C (77°F)	1.00	0.94	0.87	0.80	0.74
30°C (86°F)	0.99	0.93	0.86	0.79	0.73
35°C (95°F)	0.99	0.93	0.86	0.79	0.73

¹ Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors

² 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

³ 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

Application Reference

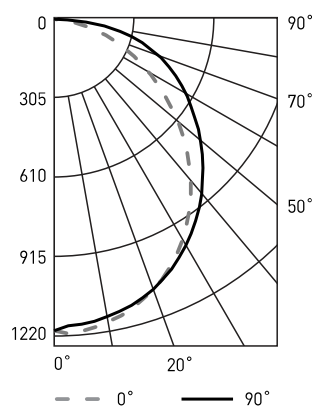
Open Space						
Spacing	Initial Delivered Lumens	Lumens	Wattage	LPW	w/ft ²	Average fc
8 x 8	32L	3,200	26	123	0.39	46
	40L	4,000	32	125	0.48	58
8 x 10	32L	3,200	26	123	0.33	38
	40L	4,000	32	125	0.41	48
10 x 10	32L	3,200	26	123	0.26	30
	40L	4,000	32	125	0.32	38
10 x 12	32L	3,200	26	123	0.21	24
	40L	4,000	32	125	0.26	30

10' ceiling: 80/50/20 reflectances; 2.5' workplane, open room, LLF: 1.0 Initial Open Space: 50' x 40' x 10'

Photometry

ZR22C-32L-50K-10V-FD BASED ON CESTL REPORT TEST #: PL10455-001A

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a luminaire efficiency of 100%.



Coefficients Of Utilization – Zonal Cavity Method				
RC %:	80			
RW %:	70	50	30	10
RCR: 0	119	119	119	119
1	108	103	99	94
2	98	89	82	76
3	89	78	70	63
4	82	69	60	53
5	75	62	53	46
6	69	56	47	40
7	64	51	42	35
8	60	46	38	32
9	56	42	34	28
10	52	39	31	26

Effective Floor Cavity Reflectance: 20%

Zonal Lumen Summary			
Zone	Lumens	% Lamp	Luminaire
0-30	930	N/A	26.9%
0-40	1,511	N/A	43.8%
0-60	2,639	N/A	76.5%
0-90	3,451	N/A	100%
0-180	3,451	N/A	100%

Average Luminance Table (cd/m²)				
Vertical Angle	Horizontal Angle			
		0°	45°	90°
45°		15,301	16,151	17,278
55°		13,704	15,436	17,391
65°		11,974	15,221	18,432
75°		9,628	15,678	20,260
85°		6,242	15,778	20,727

Reference <http://lighting.cree.com/products/indoor/troffers/zr-series> for detailed photometric data

OSQ Series

OSQ™ LED Area/Flood Luminaire – Large

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 'T' input power designator is a suitable upgrade for HID applications up to 750 Watts, and the 'U' input power designator is a suitable upgrade for HID applications up to 1000 Watts.

Applications: Parking lots, walkways, campuses, auto 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 27,103

Efficacy: Up to 139 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

Accessories

Field-Installed	
Backlight Shield OSQ-BLSLF - Front facing optics OSQ-BLSLR - Rotated optics	Hand-Held Remote XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

Ordering Information

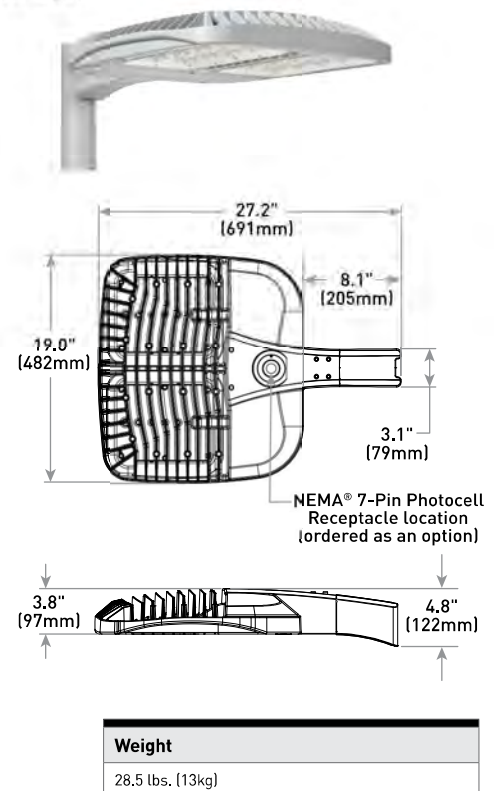
Fully assembled luminaire is composed of two components that must be ordered separately:

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

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

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

DA Mount



Luminaire (Mount must be ordered separately) TYPE GY, HG									
OSQ	A	NM	Optic	Input Power Designator	CCT	Voltage	Color Options	Options	
OSQ	A	NM No Mount	Asymmetric 2ME* Type II Medium 3ME* Type III Medium Symmetric 5ME Type V Medium 40* 40* Flood 60D 60D Flood 15D 15* Flood WSN Wide Sign Flood	T 166W 3000K U 215W 4000K 57K 5700K	30K 3000K 40K 4000K 57K 5700K	UL Universal 120-277V UH Universal 347-480V	BK Black BZ Bronze SV Silver WH White	F Fuse - When code dictates fusing, use time delay fuse - Available for U.S. applications only PML Programmable Multi-Level, up to 40' Mounting Height - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt PML2 Programmable Multi-Level, 10-30' Mounting Height - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1 Field Adjustable Output - Must select Q9, Q6, Q5, Q4, Q3, Q2, or Q1 for T input power designator - Must select Q9, Q8, Q7, Q6, Q5, Q4, Q3, Q2, or Q1 for U input power designator - Offers full range adjustability - Refer to pages 9-10 for power and lumen values - Not available with PML or PML2 options	R NEMA 7-Pin Photocell Receptacle - 7-pin receptacle per ANSI C136.41 - Intended for downlight applications with maximum 45° tilt - Factory connected 0-10V dim leads - 18" [457mm] seven-conductor cord exits luminaire - Photocell and shorting cap by others RL Rotate Left - LED and optic are rotated to the left - Refer to RR/RL configuration diagram on page 2 for optic directionality RR Rotate Right - LED and optic are rotated to the right - Refer to RR/RL configuration diagram on page 2 for optic directionality

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



Rev. Date: V17 10/17/2018



US: lighting.cree.com

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

Canada: 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
- Includes 18" (340mm) 18/5 or 16/5 cord exiting the luminaire. When ordered with R option, 18" (340mm) 18/7 or 16/7 cord is provided
- 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:** 28.5 lbs. (13kg)

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
- Designed with 0-10V dimming capabilities. Controls by others
- Refer to Dimming spec sheet for details
- **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
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*							
Input Power Designator	System Watts 120-480V	Total Current (A)					
		120V	208V	240V	277V	347V	480V
T	166	1.41	0.83	0.72	0.62	0.49	0.35
U	215	1.83	1.08	0.93	0.81	0.62	0.45

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

OSQ Series Ambient Adjusted Lumen Maintenance ¹						
Ambient	Optic	Initial LMF	25K hr Projected ² LMF	50K hr Projected ² LMF	75K hr Projected ² / Calculated ³ LMF	100K hr Projected ² / Calculated ³ LMF
5°C (41°F)	Asymmetric	1.04	1.02	1.01	1.00 ³	0.99 ³
	Symmetric	1.05	1.04	1.03	1.03 ²	1.02 ²
10°C (50°F)	Asymmetric	1.03	1.01	1.00	0.99 ³	0.98 ³
	Symmetric	1.04	1.03	1.02	1.01 ²	1.00 ²
15°C (59°F)	Asymmetric	1.02	1.00	0.99	0.98 ³	0.97 ³
	Symmetric	1.02	1.02	1.01	1.00 ²	0.99 ²
20°C (68°F)	Asymmetric	1.01	0.99	0.98	0.97 ³	0.96 ³
	Symmetric	1.01	1.01	1.00	0.99 ²	0.98 ²
25°C (77°F)	Asymmetric	1.00	0.98	0.97	0.96 ³	0.95 ³
	Symmetric	1.00	0.99	0.98	0.98 ²	0.97 ²

¹ Lumen maintenance values at 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

² 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 (IDUT) i.e. the packaged LED chip

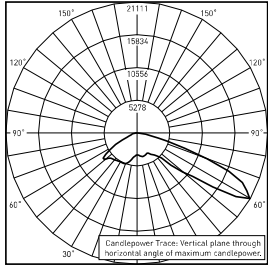
³ In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (IDUT) i.e. the packaged LED chip

OSQ™ LED Area/Flood Luminaire – Large

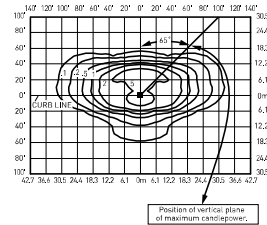
Photometry

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>

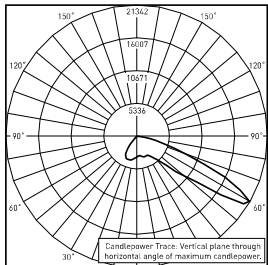
2ME



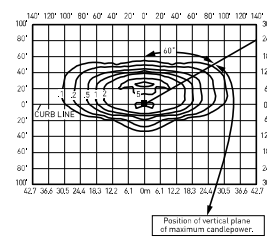
CESTL Test Report #: PL07701-001A
OSQ-A**-2ME-U-40K-UL
Initial Delivered Lumens: 26,946



OSQ-A-2ME-U-40K-UL**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,583
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-40K-UL w/OSQ-BLSLF**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 20,427
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
T	20,688	B3 U0 G3	21,902	B3 U0 G3	22,330	B3 U0 G3
U	25,246	B3 U0 G3	26,583	B3 U0 G3	27,103	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

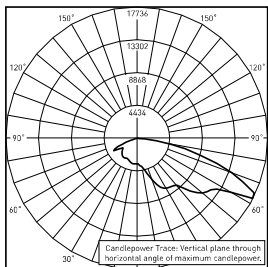
Type II Medium w/BLS Distribution

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
T	15,897	B2 U0 G2	16,830	B3 U0 G2	17,159	B3 U0 G2
U	19,400	B3 U0 G2	20,427	B3 U0 G2	20,826	B3 U0 G2

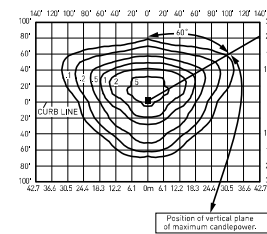
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** 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

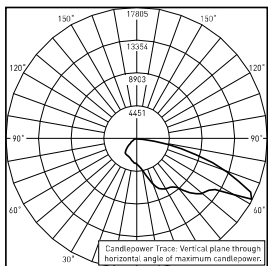
3ME



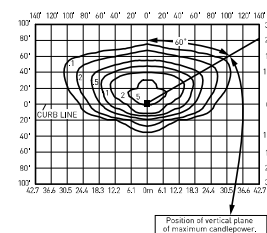
CESTL Test Report #: PL07698-001A
OSQ-A**-3ME-U-40K-UL
Initial Delivered Lumens: 27,305



OSQ-A-3ME-U-40K-UL**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,583
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-40K-UL w/OSQ-BLSLF**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 20,986
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
T	20,688	B3 U0 G3	21,902	B3 U0 G3	22,330	B3 U0 G3
U	25,246	B3 U0 G3	26,583	B3 U0 G3	27,103	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
T	16,333	B2 U0 G2	17,291	B2 U0 G2	17,629	B2 U0 G3
U	19,931	B2 U0 G3	20,986	B2 U0 G3	21,397	B2 U0 G3

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

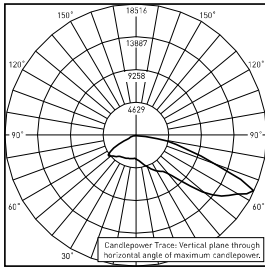
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

OSQ™ LED Area/Flood Luminaire – Large

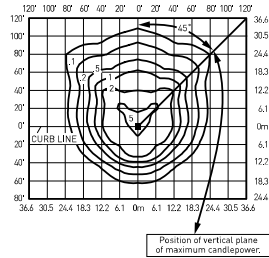
Photometry

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>

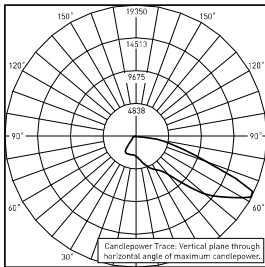
4ME



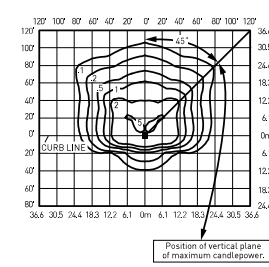
CESTL Test Report #: PL07690-001A
OSQ-A--4ME-U-40K-UL**
Initial Delivered Lumens: 27,527



OSQ-A--4ME-U-40K-UL**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,583
Initial FC at grade

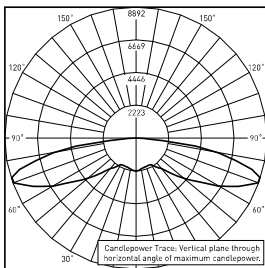


CESTL Test Report #: PL07692-001A
OSQ-A--4ME-U-57K-UL w/OSQ-BLSLF**
Initial Delivered Lumens: 22,793

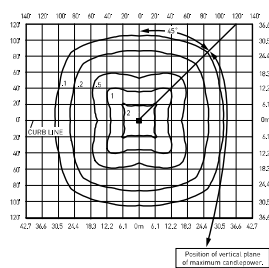


OSQ-A--4ME-U-40K-UL w/OSQ-BLSLF**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 20,427
Initial FC at grade

5ME

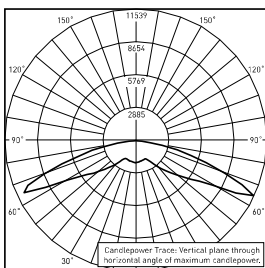


CESTL Test Report #: PL07882-001A
OSQ-A--5ME-U-30K-UL**
Initial Delivered Lumens: 21,410

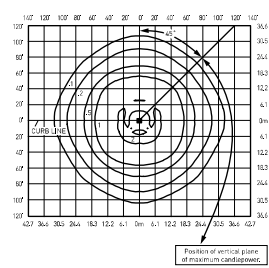


OSQ-A--5ME-U-40K-UL**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 24,666
Initial FC at grade

5SH



CESTL Test Report #: PL07884-001A
OSQ-A--5SH-U-40K-UL**
Initial Delivered Lumens: 25,679



OSQ-A--5SH-U-40K-UL**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,051
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*
T	20,688	B3 U0 G3	21,902	B3 U0 G3	22,330
U	25,246	B4 U0 G3	26,583	B4 U0 G3	27,103

* 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 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*
T	15,897	B2 U0 G3	16,830	B2 U0 G3	17,159
U	19,400	B3 U0 G3	20,427	B3 U0 G3	20,826

* 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 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*
T	20,213	B5 U0 G5	21,469	B5 U0 G5	21,842
U	23,222	B5 U0 G5	24,666	B5 U0 G5	25,095

* 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 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*
T	21,349	B5 U0 G3	22,675	B5 U0 G3	23,069
U	24,527	B5 U0 G3	26,051	B5 U0 G3	26,504

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

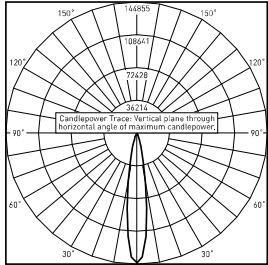
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

OSQ™ LED Area/Flood Luminaire – Large

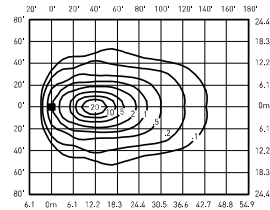
Photometry

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



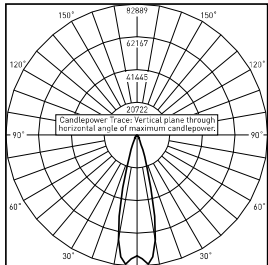
OSQ-A-**-15D-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 26,051
Initial FC at grade

15° Flood Distribution

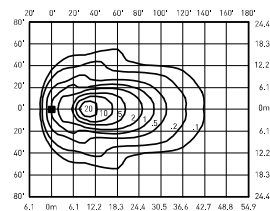
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
T	21,349	22,675	23,069
U	24,527	26,051	26,504

* 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



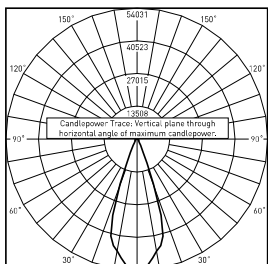
OSQ-A-**-25D-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 26,051
Initial FC at grade

25° Flood Distribution

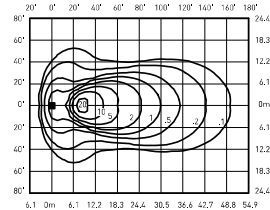
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
T	21,349	22,675	23,069
U	24,527	26,051	26,504

* 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-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 26,051
Initial FC at grade

40° Flood Distribution

Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
T	21,349	22,675	23,069
U	24,527	26,051	26,504

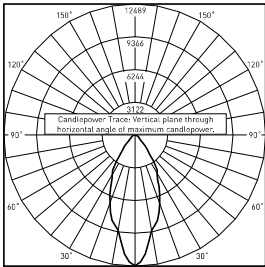
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

OSQ™ LED Area/Flood Luminaire – Large

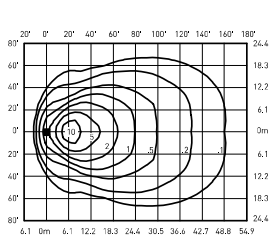
Photometry

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

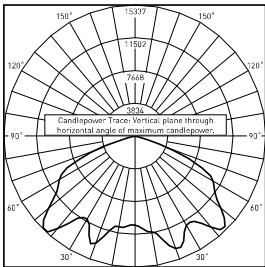


OSQ-A-**-60D-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 26,051
Initial FC at grade

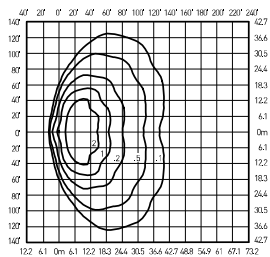
60° Flood Distribution			
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
T	21,349	22,675	23,069
U	24,527	26,051	26,504

* 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-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G., 60° tilt
Initial Delivered Lumens: 26,051
Initial FC at grade

Wide Sign Distribution			
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
T	21,349	22,675	23,069
U	24,527	26,051	26,504

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



OSQ™ LED Area/Flood Luminaire – Large

Luminaire EPA

Fixed Arm Mount – OSQ-DA Weight: 28.5 lbs. (13kg)					
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
					
0.80	1.61	1.26	2.06	1.68	2.52

Adjustable Arm Mount – OSQ-AA Weight: 28.5 lbs. (13kg)							
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 180°	4 @ 90°
Tenon Configuration (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)
0° Tilt							
0.80	1.61	1.26	2.06	1.68	3.33	4.66	2.52
10° Tilt							
0.81	1.61	1.62	2.42	2.32	4.40	6.08	3.24
20° Tilt							
1.24	1.61	2.04	2.84	3.13	5.68	7.80	4.08
30° Tilt							
1.64	1.64	2.44	3.24	3.97	6.88	9.40	4.88
45° Tilt							
2.20	2.20	3.00	3.80	5.07	8.55	11.64	6.00
60° Tilt							
2.63	2.63	3.43	4.23	5.73	9.84	13.36	6.86
70° Tilt							
2.82	2.82	3.62	4.42	5.73	10.41	14.12	7.24
80° Tilt							
2.93	2.93	3.73	4.53	5.73	10.74	14.56	7.46
Tenon Configuration (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
90° Tilt							
2.95	2.95	4.84	6.52	5.73	10.81	14.64	11.19

* 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)	
Square Internal Mount Vertical Tenons (Steel) - 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	Round External Mount Vertical Tenons (Steel) - 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
Square Internal Mount Horizontal Tenons (Aluminum) - 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	Round External Mount Horizontal Tenons (Aluminum) - 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-3(120) – 120° Triple PT-2(180) – 180° Twin PT-4(90) – 90° Quad
Wall Mount Brackets - 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	Mid-Pole Bracket - Mounts to square pole PW-1A3** – Single PW-2A3** – Double
	Ground Mount Post - 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°
3" Square					
T & U	N/A	✓	N/A	N/A	N/A
3" Round					
T & U	N/A	✓	N/A	N/A	N/A
4" Square					
T & U	✓	✓	✓	N/A	✓
4" Round					
T & U	✓	✓	✓	✓	✓
5" Square					
T & U	✓	✓	✓	N/A	✓
5" Round					
T & U	✓	✓	✓	✓	✓
6" Square					
T & U	✓	✓	✓	N/A	✓
6" Round					
T & U	✓	✓	✓	✓	✓

Field Adjustable Output (Q9/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

Q Option Power & Lumen Data – Designator T

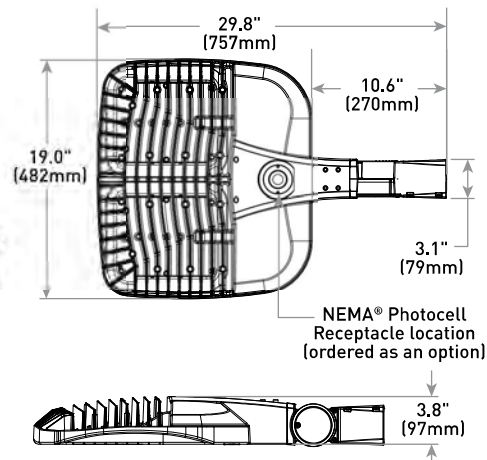
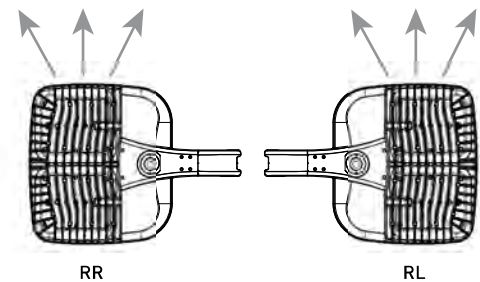
Q Option Setting	CCT	System Watts	Lumen Values						Optics Qualified on DLC QPL	
		120-480V	Asymmetric	5ME	5SH & Floods	2ME w/BLS	3ME w/BLS	4ME w/BLS	Standard	Premium
Q9 (Full Power)	30K	166	20,688	20,213	21,349	15,897	16,333	15,897	5ME, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME, 5SH
	40K		21,902	21,469	22,675	16,830	17,291	16,830	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		22,330	21,842	23,069	17,159	17,629	17,159	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q6	30K	151	18,826	18,394	19,428	14,466	14,863	14,466	5ME, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME, 5SH
	40K		19,931	19,537	20,634	15,315	15,735	15,315	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		20,320	19,876	20,993	15,615	16,042	15,615	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q5	30K	135	16,964	16,575	17,506	13,036	13,393	13,036	5ME, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME, 5SH
	40K		17,960	17,605	18,594	13,801	14,179	13,801	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		18,311	17,910	18,917	14,070	14,456	14,070	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q4	30K	115	15,102	14,755	15,585	11,605	11,923	11,605	5ME, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME, 5SH
	40K		15,988	15,672	16,553	12,286	12,622	12,286	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		16,301	15,945	16,840	12,526	12,869	12,526	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q3	30K	96	13,033	12,734	13,450	10,015	10,290	10,015	5ME, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME, 5SH
	40K		13,798	13,525	14,285	10,603	10,893	10,603	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		14,068	13,760	14,533	10,810	11,106	10,810	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q2	30K	79	10,551	10,309	10,888	8,107	8,330	8,107	5ME, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME, 5SH
	40K		11,170	10,949	11,564	8,583	8,818	8,583	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		11,388	11,139	11,765	8,751	8,991	8,751	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q1/	30K	58	8,689	8,489	8,967	6,677	6,860	6,677	5ME, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME, 5SH
	40K		9,199	9,017	9,524	7,069	7,262	7,069	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		9,379	9,174	9,689	7,207	7,404	7,207	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

Q Option Power & Lumen Data – Designator U

Q Option Setting	CCT	System Watts	Lumen Values						Optics Qualified on DLC QPL	
		120-480V	Asymmetric	5ME	5SH & Floods	2ME w/BLS	3ME w/BLS	4ME w/BLS	Standard	Premium
Q9 (Full Power)	30K	215	25,246	23,222	24,527	19,400	19,931	19,400	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
	40K		26,583	24,666	26,051	20,427	20,986	20,427	3ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 4ME
	57K		27,103	25,095	26,504	20,826	21,397	20,826	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
Q8	30K	191	23,226	21,364	22,565	17,848	18,337	17,848	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
	40K		24,456	22,693	23,967	18,793	19,307	18,793	3ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 4ME
	57K		24,935	23,087	24,384	19,160	19,685	19,160	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
Q7	30K	171	21,207	19,506	20,603	16,296	16,742	16,296	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
	40K		22,330	20,719	21,883	17,159	17,628	17,159	3ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 4ME
	57K		22,767	21,080	22,263	17,494	17,973	17,494	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
Q6	30K	152	19,439	17,881	18,886	14,938	15,347	14,938	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
	40K		20,469	18,993	20,059	15,729	16,159	15,729	3ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 4ME
	57K		20,869	19,323	20,408	16,036	16,476	16,036	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
Q5	30K	133	17,672	16,255	17,169	13,580	13,952	13,580	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
	40K		18,608	17,266	18,236	14,299	14,690	14,299	3ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 4ME
	57K		18,972	17,567	18,553	14,578	14,978	14,578	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
Q4	30K	113	15,400	14,165	14,961	11,834	12,158	11,834	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
	40K		16,216	15,046	15,891	12,460	12,801	12,460	3ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 4ME
	57K		16,533	15,308	16,167	12,704	13,052	12,704	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
Q3	30K	94	13,128	12,075	12,754	10,088	10,364	10,088	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
	40K		13,823	12,826	13,547	10,622	10,913	10,622	3ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 4ME
	57K		14,094	13,049	13,782	10,830	11,126	10,830	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
Q2	30K	77	11,108	10,218	10,792	8,536	8,770	8,536	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
	40K		11,697	10,853	11,462	8,988	9,234	8,988	3ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 4ME
	57K		11,925	11,042	11,662	9,163	9,415	9,163	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
Q1	30K	53	7,574	6,967	7,358	5,820	5,979	5,820	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
	40K		7,975	7,400	7,815	6,128	6,296	6,128	3ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 4ME
	57K		8,131	7,529	7,951	6,248	6,419	6,248	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME

AA Mount**RR/RL Configuration**

TYPE HF

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

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

Ordering Information

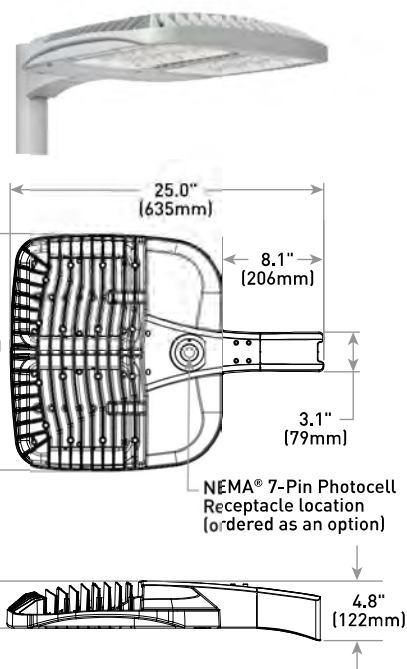
Fully assembled luminaire is composed of two components that must be ordered separately:

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

DA Mount



Weight

26.5 lbs. (12kg)

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	Asymmetric 2ME* Type II Medium 3ME* Type III Medium Symmetric 5ME 25D Type V 25° Flood Medium 40D 55H 40° Flood Type V 60D Short 60° Flood WSN Wide Sign 15D 15° Flood	B 84W K 130W Z 53W	30K 3000K 40K 4000K 57K 5700K	UL Universal 120-277V UH Universal 347-480V - Available with B & K Input Power Designators only	BK Black BZ Bronze SV Silver WH White	F Fuse - When code dictates fusing, use time delay fuse - Available for U.S. applications only PML Programmable Multi-Level, up to 40' Mounting Height - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt PML2 Programmable Multi-Level, 10-30' Mounting Height - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt Q9/Q6/Q5/Q4/Q3/Q2/Q1 Field Adjustable Output - Must select Q9, Q6, Q5, Q4, Q3, Q2, or Q1 - Offers full range adjustability - Refer to pages 9-10 for power and lumen values - Available with B & K Input Power Designators only - Not available with PML or PML2 options	R NEMA® 7-Pin Photocell Receptacle - 7-pin receptacle per ANSI C136.41 - Intended for downlight applications with maximum 45° tilt - Factory connected 0-10V dim leads - 18" (457mm) seven-conductor cord exits luminaire - Photocell and shorting cap by others RL Rotate Left - LED and optic are rotated to the left - Refer to RR/RL configuration diagram on page 10 for optic directionality RR Rotate Right - LED and optic are rotated to the right - Refer to RR/RL configuration diagram on page 10 for optic directionality

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



Rev. Date: V17 10/29/2018



US: lighting.cree.com

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

Canada: 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
- Includes 18" (340mm) 18/5 or 16/5 cord exiting the luminaire. When ordered with R option, 18" (340mm) 18/7 or 16/7 cord is provided
- 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
- Designed with 0-10V dimming capabilities. Controls by others
- Refer to Dimming spec sheet for details
- **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
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

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
Z	53**	0.46	0.26	0.22	0.19	N/A	N/A

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

** Available with UL voltage only

OSQ Series Ambient Adjusted Lumen Maintenance ¹						
Ambient	Optic	Initial LMF	25K hr Projected ² LMF	50K hr Projected ² LMF	75K hr Projected ² / Calculated ³ LMF	100K hr Projected ² / Calculated ³ LMF
5°C (41°F)	Asymmetric	1.04	1.02	1.01	1.00 ³	0.99 ³
	Symmetric	1.05	1.04	1.03	1.03 ²	1.02 ²
10°C (50°F)	Asymmetric	1.03	1.01	1.00	0.99 ³	0.98 ³
	Symmetric	1.04	1.03	1.02	1.01 ²	1.00 ²
15°C (59°F)	Asymmetric	1.02	1.00	0.99	0.98 ³	0.97 ³
	Symmetric	1.02	1.02	1.01	1.00 ²	0.99 ²
20°C (68°F)	Asymmetric	1.01	0.99	0.98	0.97 ³	0.96 ³
	Symmetric	1.01	1.01	1.00	0.99 ²	0.98 ²
25°C (77°F)	Asymmetric	1.00	0.98	0.97	0.96 ³	0.95 ³
	Symmetric	1.00	0.99	0.98	0.98 ²	0.97 ²

¹ Lumen maintenance values at 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

² 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 (IDUT) i.e., the packaged LED chip

³ 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 (IDUT) i.e., the packaged LED chip

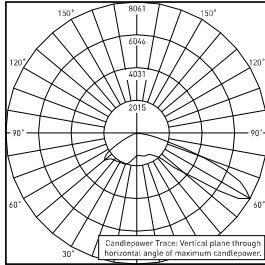


OSQ™ LED Area/Flood Luminaire – Medium

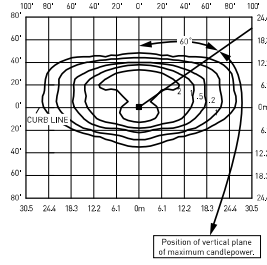
Photometry

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>

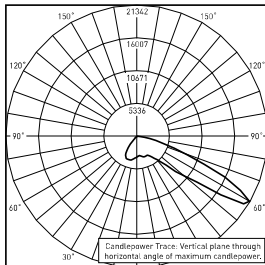
2ME



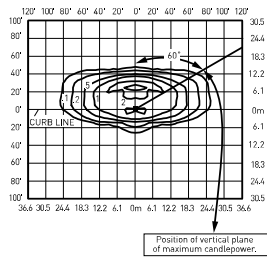
RESTL Test Report #: PL08877-001
OSQ-A**-2ME-B-30K-UL
Initial Delivered Lumens: 10,381



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-B-40K-UL w/OSQ-BLSMF**
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
Z	6,481	B2 U0 G1	6,896	B2 U0 G1	7,031	B2 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>. Valid with no tilt

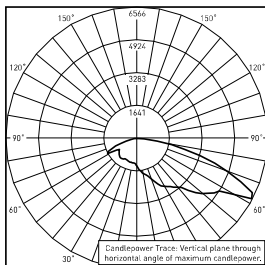
Type II Medium w/BLS Distribution

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
Z	4,980	B1 U0 G1	5,299	B1 U0 G1	5,402	B1 U0 G1

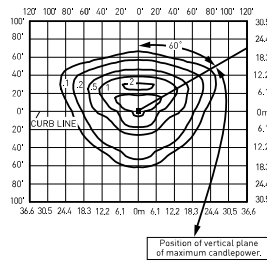
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** 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>. Valid with no tilt

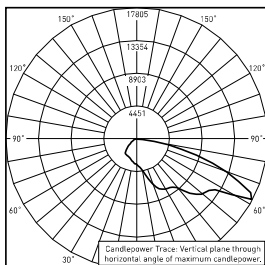
3ME



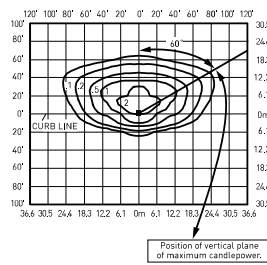
RESTL Test Report #: PL08876-001A
OSQ-A**-3ME-B-30K-UL
Initial Delivered Lumens: 10,421



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-B-40K-UL w/OSQ-BLSMF**
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
Z	6,481	B2 U0 G2	6,896	B2 U0 G2	7,031	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

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
Z	5,117	B1 U0 G1	5,444	B1 U0 G1	5,551	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>. Valid with no tilt

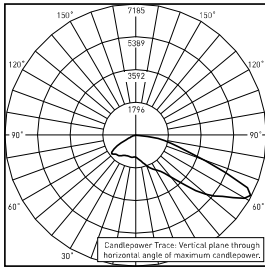


OSQ™ LED Area/Flood Luminaire – Medium

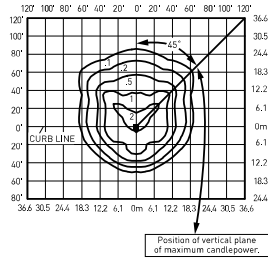
Photometry

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>

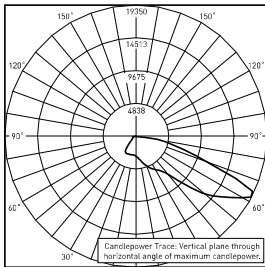
4ME



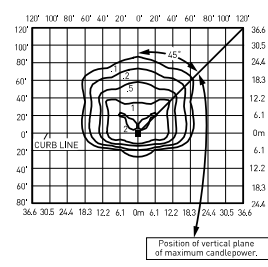
RESTL Test Report #: PL08878-001A
OSQ-A-**-4ME-B-30K-UL
Initial Delivered Lumens: 10,230



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



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 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
Z	6,481	B2 U0 G2	6,896	B2 U0 G2	7,031	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

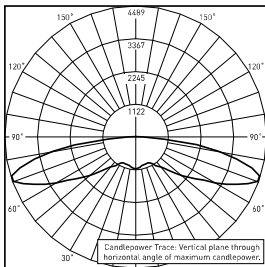
Type IV Medium w/BLS Distribution

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
Z	4,980	B1 U0 G1	5,299	B1 U0 G1	5,402	B1 U0 G1

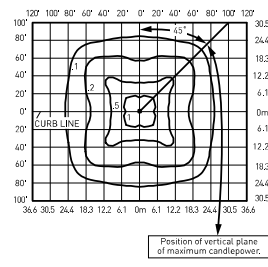
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** 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>. Valid with no tilt

5ME



RESTL Test Report #: PL08534-001B
OSQ-A-**-5ME-B-40K-UL
Initial Delivered Lumens: 10,519



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

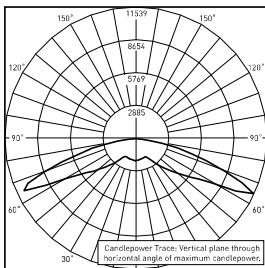
Type V Medium Distribution

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	10,232	B4 U0 G3	10,867	B4 U0 G3	11,056	B4 U0 G3
K	15,063	B4 U0 G4	15,999	B4 U0 G4	16,277	B4 U0 G4
Z	5,257	B3 U0 G3	6,086	B3 U0 G3	6,192	B3 U0 G3

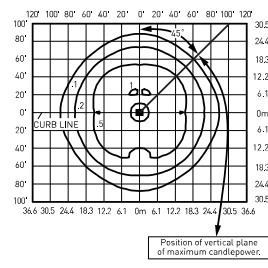
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** 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

5SH



CESTL Test Report #: PL10754-001A
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	10,806	B4 U0 G2	11,478	B4 U0 G2	11,678	B4 U0 G2
K	15,909	B4 U0 G3	16,897	B4 U0 G3	17,191	B4 U0 G3
Z	5,552	B3 U0 G1	6,428	B3 U0 G2	6,539	B3 U0 G2

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

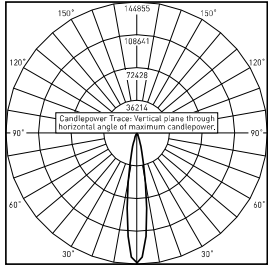
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

OSQ™ LED Area/Flood Luminaire – Medium

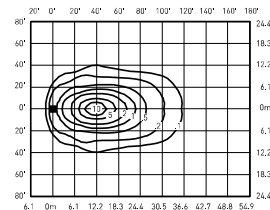
Photometry

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



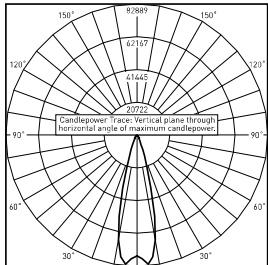
OSQ-A**-15D-B-40K-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 11,478
Initial FC at grade

15° Flood Distribution

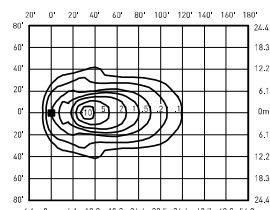
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	11,678
K	15,909	16,897	17,191
Z	5,552	6,428	6,539

* 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



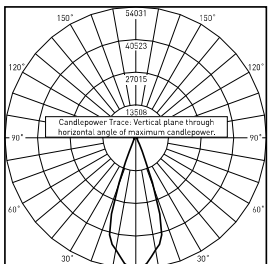
OSQ-A**-25D-B-40K-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 11,478
Initial FC at grade

25° Flood Distribution

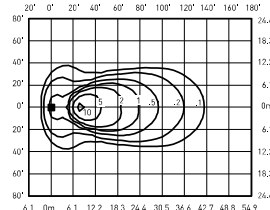
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	11,678
K	15,909	16,897	17,191
Z	5,552	6,428	6,539

* 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	10,806	11,478	11,678
K	15,909	16,897	17,191
Z	5,552	6,428	6,539

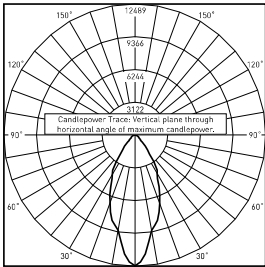
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

OSQ™ LED Area/Flood Luminaire – Medium

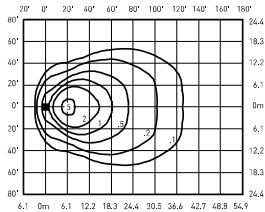
Photometry

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

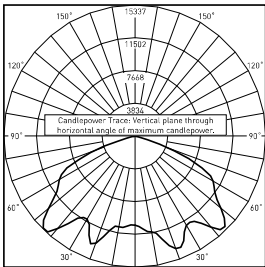


OSQ-A-**-60D-B-40K-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 11,478
Initial FC at grade

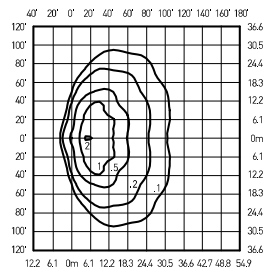
60° Flood Distribution			
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	11,678
K	15,909	16,897	17,191
Z	5,552	6,428	6,539

* 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*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	11,678
K	15,909	16,897	17,191
Z	5,552	6,428	6,539

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



Luminaire EPA

Fixed Arm Mount – OSQ-DA 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

Adjustable Arm Mount – OSQ-AA Weight: 26.5 lbs. (12kg)							
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 180°	4 @ 90°
Tenon Configuration [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)
0° Tilt							
0.74	1.48	1.19	1.93	1.63	3.33	4.66	2.38
10° Tilt							
0.75	1.48	1.49	2.23	2.15	4.22	5.84	2.98
20° Tilt							
1.12	1.48	1.86	2.60	2.85	5.31	7.32	3.72
30° Tilt							
1.46	1.48	2.20	2.94	3.56	6.34	8.68	4.40
45° Tilt							
1.96	1.96	2.69	3.43	4.54	7.83	10.68	5.38
60° Tilt							
2.33	2.33	3.07	3.81	5.11	8.94	12.16	6.14
70° Tilt							
2.49	2.49	3.23	3.97	5.11	9.43	12.80	6.46
80° Tilt							
2.58	2.58	3.32	4.06	5.11	9.71	13.16	6.64
Tenon Configuration [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
90° Tilt							
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)	
Square Internal Mount Vertical Tenons (Steel) - 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	Round External Mount Vertical Tenons (Steel) - 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
Square Internal Mount Horizontal Tenons (Aluminum) - 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	Round External Mount Horizontal Tenons (Aluminum) - 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-3(120) – 120° Triple PT-2(180) – 180° Twin PT-4(90) – 90° Quad
Wall Mount Brackets - 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	Mid-Pole Bracket - Mounts to square pole PW-1A3** – Single PW-2A3** – Double
	Ground Mount Post - 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°
3" Square					
B, K & Z	N/A	✓	N/A	N/A	N/A
3" Round					
B, K & Z	N/A	✓	N/A	N/A	N/A
4" Square					
B, K & Z	✓	✓	✓	N/A	✓
4" Round					
B, K & Z	✓	✓	✓	✓	✓
5" Square					
B, K & Z	✓	✓	✓	N/A	✓
5" Round					
B, K & Z	✓	✓	✓	✓	✓
6" Square					
B, K & Z	✓	✓	✓	N/A	✓
6" Round					
B, K & Z	✓	✓	✓	✓	✓

Field Adjustable Output (Q9/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

Q Option Power & Lumen Data – Designator B

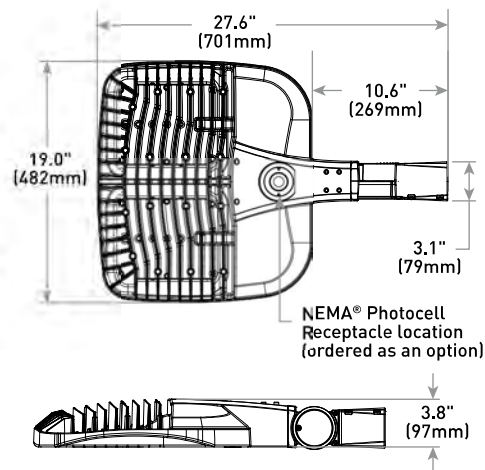
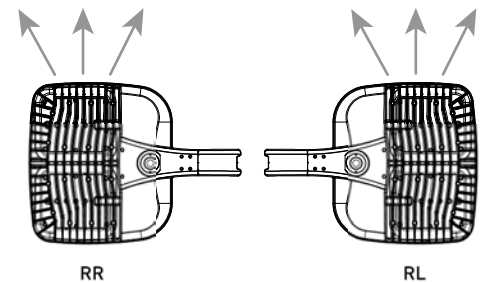
Q Option Setting	CCT	System Watts	Lumen Values						Optics Qualified on DLC QPL	
		120-480V	Asymmetric	5ME	5SH & Floods	2ME w/ BLS	3ME w/ BLS	4ME w/ BLS	Standard	Premium
Q9 [Full Power]	30K	86	10,738	10,232	10,806	8,251	8,477	8,251	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K		11,424	10,867	11,478	8,779	9,019	8,779	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		11,648	11,056	11,678	8,950	9,196	8,950		
Q6	30K	77	9,449	9,004	9,509	7,261	7,460	7,261	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K		10,053	9,563	10,101	7,726	7,937	7,726	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		10,250	9,729	10,277	7,876	8,092	7,876		
Q5	30K	72	8,913	8,492	8,969	6,848	7,036	6,848	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K		9,482	9,020	9,527	7,287	7,486	7,287	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		9,668	9,176	9,693	7,429	7,633	7,429		
Q4	30K	62	7,731	7,367	7,780	5,941	6,103	5,941	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K		8,225	7,824	8,264	6,321	6,494	6,321	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		8,387	7,960	8,408	6,444	6,621	6,444		
Q3	30K	53	6,550	6,241	6,592	5,033	5,171	5,033	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K		6,969	6,629	7,002	5,355	5,502	5,355	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		7,105	6,744	7,124	5,460	5,610	5,460		
Q2	30K	45	5,476	5,218	5,511	4,208	4,323	4,208	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K		5,826	5,542	5,854	4,477	4,600	4,477	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		5,940	5,639	5,956	4,565	4,690	4,565		
Q1	30K	34	4,188	3,990	4,214	3,218	3,306	3,218	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K		4,455	4,238	4,476	3,424	3,517	3,424	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		4,543	4,312	4,554	3,491	3,586	3,491		

Field Adjustable Output (Q9/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

Q Option Power & Lumen Data – Designator K

Q Option Setting	CCT	System Watts	Lumen Values						Optics Qualified on DLC QPL	
		120-480V	Asymmetric	5ME	5SH & Floods	2ME w/BLS	3ME w/BLS	4ME w/BLS	Standard	Premium
Q9 [Full Power]	30K	130	16,022	15,063	15,909	12,312	12,649	12,312	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K		16,959	15,999	16,897	13,032	13,389	13,032	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		17,291	16,277	17,191	13,286	13,650	13,286		
Q6	30K	117	14,099	13,255	14,000	10,835	11,131	10,835	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K		14,924	14,079	14,869	11,468	11,782	11,468	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		15,216	14,324	15,128	11,692	12,012	11,692		
Q5	30K	110	13,298	12,502	13,204	10,219	10,499	10,219	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K		14,076	13,279	14,025	10,817	11,113	10,817	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		14,352	13,510	14,269	11,027	11,330	11,027		
Q4	30K	93	11,536	10,845	11,454	8,865	9,107	8,865	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K		12,210	11,519	12,166	9,383	9,640	9,383	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		12,450	11,719	12,378	9,566	9,828	9,566		
Q3	30K	80	9,773	9,188	9,704	7,510	7,716	7,510	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K		10,345	9,759	10,307	7,950	8,167	7,950	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		10,548	9,929	10,487	8,104	8,327	8,104		
Q2	30K	67	8,171	7,682	8,114	6,279	6,451	6,279	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K		8,649	8,159	8,617	6,646	6,828	6,646	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		8,818	8,301	8,767	6,776	6,962	6,776		
Q1	30K	51	6,249	5,875	6,205	4,802	4,933	4,802	5ME	2ME, 3ME, 4ME, 5SH, 15D, 25D, 40D, 60D, WSN
	40K		6,614	6,240	6,590	5,082	5,222	5,082	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		6,743	6,348	6,704	5,182	5,324	5,182		

AA Mount**RR/RL Configuration**

TYPE SB, SH, SJ, SK, SL, SM, SN

Cree Edge™ Series

LED Security Wall Pack Luminaire

Product Description

The Cree Edge™ wall mount luminaire has a slim, low profile design. The luminaire end caps are made from rugged die cast aluminum with integral, weathertight LED driver compartments and high performance aluminum heat sinks specifically designed for LED applications. Housing is rugged aluminum. Includes a lightweight mounting box for installation over standard and mud ring single gang J-Boxes. Secures to wall with four 3/16" (5mm) screws (by others). Conduit entry from top, bottom, sides and rear. Allows mounting for uplight or downlight. Designed and approved for easy through-wiring. Includes leaf/debris guard.

Applications: General area and security lighting

Performance Summary

Patented NanoOptic® Product Technology

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

CRI: Minimum 70 CRI

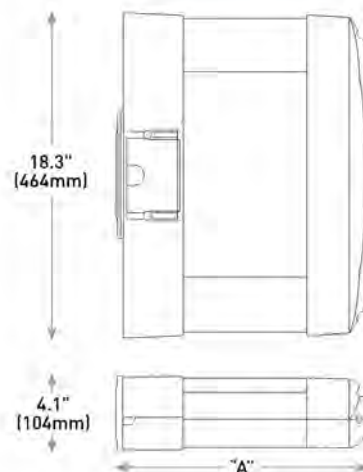
CCT: 4000K (+/- 300K), 5700K (+/- 500K) standard

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

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

Accessories

Field-Installed	
Bird Spikes XA-BRDSPK	Hand-Held Remote XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required



LED Count [x10]	Dim. "A"	Weight
02	9.9" (251mm)	20 lbs. (9.1kg)
04	11.9" (303mm)	22 lbs. (10.0kg)
06	13.9" (353mm)	25 lbs. (11.3kg)
08	15.9" (404mm)	27 lbs. (12.2kg)
10	17.9" (455mm)	31 lbs. (14.1kg)
12	19.9" (505mm)	32 lbs. (14.5kg)

Ordering Information

Example: SEC-EDG-2M-WM-06-E-UL-SV-700

SEC-EDG	Optic	Mounting	LED Count [x10]	Series	Voltage	Color Options	Drive Current	Options
SEC-EDG	2M Type II Medium 2MB Type II Medium w/BLS 2S Type II Short 2SB Type II Short w/BLS 3M Type III Medium 3MB Type III Medium w/BLS 4M Type IV Medium 4MB Type IV Medium w/BLS	WM Wall Mount	02 04 06 08 10 12	E	UL Universal 120-277V UH Universal 347-480V 34 347V	BK Black BZ Bronze SV Silver WH White	350 350mA 525 525mA 700 700mA	DIM 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current F Fuse - Refer to ML spec sheet for availability with ML options - Available with UL voltage only - Available for U.S. applications only - When code dictates fusing, use time delay fuse ML Multi-Level - Refer to ML spec sheet for details - Intended for downlight applications with 0° tilt P Photocell - Refer to ML spec sheet for availability with ML options - Must specify UL or 34 voltage PML Programmable Multi-Level - Refer to PML spec sheet for details - Intended for downlight applications with 0° tilt 40K 4000K Color Temperature - Minimum 70 CRI - Color temperature per luminaire



US: lighting.cree.com

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

Rev. Date: V3 09/06/2017

Canada: www.cree.com/canada



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

Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile design
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance aluminum heat sinks specifically designed for LED applications
- Housing is rugged aluminum
- Furnished with low copper, light weight mounting box designed for installation over standard 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
- Allows mounting for uplight or downlight
- Designed and approved for easy through-wiring
- Includes leaf/debris guard
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultradurable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver and white are available
- **Weight:** See Dimensions and Weight Chart on page 1

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 weathertight J-Box with leads (wire nuts) for easy power hook up
- 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
- **Maximum 10V Source Current:** 20 LED (350mA): 10mA; 20LED (525 & 700 mA) and 40-120 LED: 0.15mA

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- Enclosure rated IP66 per IEC 60529 when ordered without P, PML or ML options
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- DLC qualified with select SKUs. Refer to <https://www.designlights.org/search/> for most current information
- Meets Buy American requirements within ARRA

Electrical Data*							
LED Count (x10)	System Watts 120-480V	Total Current (A)					
		120V	208V	240V	277V	347V	480V
350mA							
02	25	0.21	0.13	0.11	0.10	0.08	0.07
04	46	0.36	0.23	0.21	0.20	0.15	0.12
06	66	0.52	0.31	0.28	0.26	0.20	0.15
08	90	0.75	0.44	0.38	0.34	0.26	0.20
10	110	0.92	0.53	0.47	0.41	0.32	0.24
12	130	1.10	0.63	0.55	0.48	0.38	0.28
525mA							
02	37	0.30	0.19	0.17	0.16	0.12	0.10
04	70	0.58	0.34	0.31	0.28	0.21	0.16
06	101	0.84	0.49	0.43	0.38	0.30	0.22
08	133	1.13	0.66	0.58	0.51	0.39	0.28
700mA							
02	50	0.41	0.25	0.22	0.20	0.15	0.12
04	93	0.78	0.46	0.40	0.36	0.27	0.20
06	134	1.14	0.65	0.57	0.50	0.39	0.29

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

Recommended Cree Edge™ Series Lumen Maintenance Factors (LMF) ¹					
Ambient	Initial LMF	25K hr Projected ² LMF	50K hr Projected ² LMF	75K hr Calculated ³ LMF	100K hr Calculated ³ LMF
5°C (41°F)	1.04	1.01	0.99	0.98	0.96
10°C (50°F)	1.03	1.00	0.98	0.97	0.95
15°C (59°F)	1.02	0.99	0.97	0.96	0.94
20°C (68°F)	1.01	0.98	0.96	0.95	0.93
25°C (77°F)	1.00	0.97	0.95	0.94	0.92

¹ Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing

² 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)

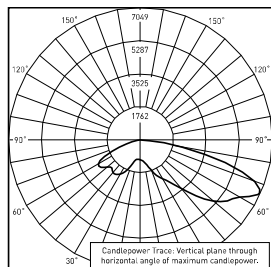
³ In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ([DUT] i.e., the packaged LED chip)



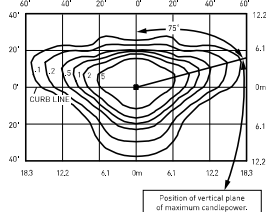
Photometry

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/cree-edge-series-5>

2M

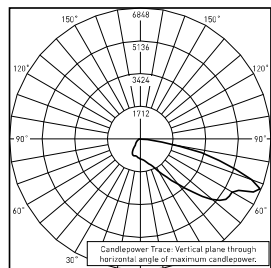


ITL Test Report #: 79174
SEC-EDG-2M-**-06-E-UL-700-40K
Initial Delivered Lumens: 11,128

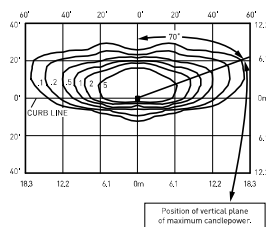


SEC-EDG-2M-**-08-E-UL-525-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 11,835
Initial FC at grade

2MB



CSA Test Report #: 6447
ARE-EDG-2MB-**-06-E-UL-700-40K
Initial Delivered Lumens: 7,953



SEC-EDG-2MB-**-08-E-UL-525-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 8,915
Initial FC at grade

Type II Medium Distribution

LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,138	B1 U0 G1	2,220	B1 U0 G1
04	4,276	B1 U0 G1	4,440	B1 U0 G1
06	6,340	B2 U0 G2	6,584	B2 U0 G2
08	8,454	B2 U0 G2	8,779	B2 U0 G2
10	10,542	B3 U0 G3	10,947	B3 U0 G3
12	12,650	B3 U0 G3	13,137	B3 U0 G3
525mA				
02	2,993	B1 U0 G1	3,108	B1 U0 G1
04	5,986	B2 U0 G2	6,216	B2 U0 G2
06	8,876	B2 U0 G2	9,218	B2 U0 G2
08	11,835	B3 U0 G3	12,290	B3 U0 G3
700mA				
02	3,656	B1 U0 G1	3,796	B1 U0 G1
04	7,311	B2 U0 G2	7,593	B2 U0 G2
06	10,842	B3 U0 G3	11,259	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>

Type II Medium Distribution w/BLS

LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	1,610	B0 U0 G1	1,672	B0 U0 G1
04	3,221	B0 U0 G1	3,345	B0 U0 G1
06	4,776	B1 U0 G1	4,959	B1 U0 G1
08	6,368	B1 U0 G1	6,613	B1 U0 G2
10	7,941	B1 U0 G2	8,246	B1 U0 G2
12	9,529	B1 U0 G2	9,895	B1 U0 G2
525mA				
02	2,254	B0 U0 G1	2,341	B0 U0 G1
04	4,509	B1 U0 G1	4,682	B1 U0 G1
06	6,686	B1 U0 G2	6,943	B1 U0 G2
08	8,915	B1 U0 G2	9,258	B1 U0 G2
700mA				
02	2,754	B0 U0 G1	2,860	B0 U0 G1
04	5,507	B1 U0 G1	5,719	B1 U0 G1
06	8,167	B1 U0 G2	8,481	B1 U0 G2

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

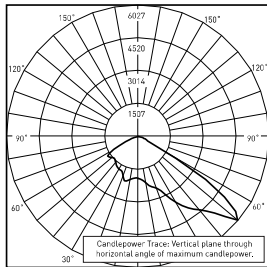
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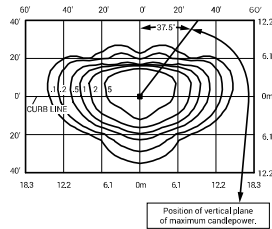
Photometry

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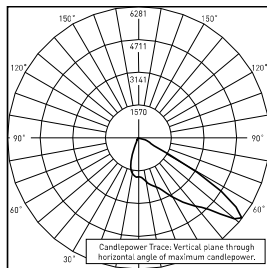


ITL Test Report #: 79175
SEC-EDG-2S-**-06-E-UL-700-40K
Initial Delivered Lumens: 11,704

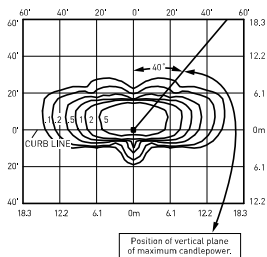


SEC-EDG-2S-**-08-E-UL-525-40K
Mounting Height: 10' [3.0m] A.F.G.
Initial Delivered Lumens: 12,604
Initial FC at grade

25B



CSA Test Report #: 6454
ARE-EDG-2SB-**-06-E-UL-700-40K
Initial Delivered Lumens: 9,202



SEC-EDG-2SB-**-08-E-UL-525-40K
Mounting Height: 10' [3.0m] A.F.G.
Initial Delivered Lumens: 9,683
Initial FC at grade

Type II Short Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,277	B1 U0 G1	2,364	B1 U0 G1
04	4,553	B1 U0 G1	4,728	B1 U0 G1
06	6,752	B2 U0 G2	7,012	B2 U0 G2
08	9,003	B2 U0 G2	9,349	B2 U0 G2
10	11,226	B3 U0 G3	11,658	B3 U0 G3
12	13,472	B3 U0 G3	13,990	B3 U0 G3
525mA				
02	3,187	B1 U0 G1	3,310	B1 U0 G1
04	6,375	B2 U0 G2	6,620	B2 U0 G2
06	9,453	B2 U0 G2	9,816	B3 U0 G3
08	12,604	B3 U0 G3	13,088	B3 U0 G3
700mA				
02	3,893	B1 U0 G1	4,043	B1 U0 G1
04	7,786	B2 U0 G2	8,086	B2 U0 G2
06	11,546	B3 U0 G3	11,990	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>

Type II Short Distribution w/BLS				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	1,749	B0 U0 G1	1,816	B0 U0 G1
04	3,498	B1 U0 G1	3,633	B1 U0 G1
06	5,188	B1 U0 G1	5,387	B1 U0 G1
08	6,917	B1 U0 G1	7,183	B1 U0 G1
10	8,625	B2 U0 G1	8,957	B2 U0 G1
12	10,350	B2 U0 G2	10,748	B2 U0 G2
525mA				
02	2,449	B1 U0 G1	2,543	B1 U0 G1
04	4,898	B1 U0 G1	5,086	B1 U0 G1
06	7,263	B1 U0 G1	7,542	B1 U0 G1
08	9,683	B2 U0 G2	10,056	B2 U0 G2
700mA				
02	2,991	B1 U0 G1	3,106	B1 U0 G1
04	5,982	B1 U0 G1	6,212	B1 U0 G1
06	8,871	B2 U0 G1	9,212	B2 U0 G2

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

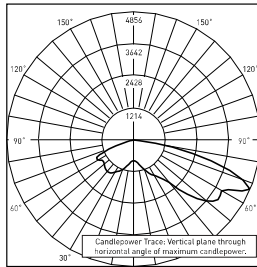
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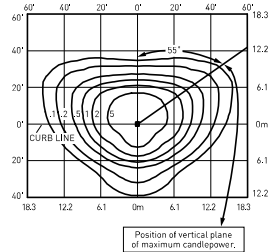
Photometry

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3M

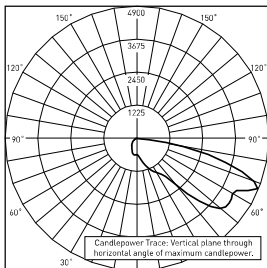


ITL Test Report #: 79173
SEC-EDG-3M-**-06-E-UL-700-40K
Initial Delivered Lumens: 10,343

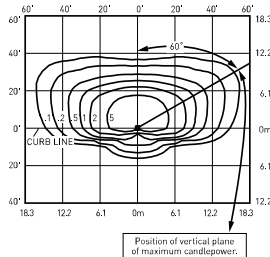


SEC-EDG-3M-**-08-E-UL-525-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 11,220
Initial FC at grade

3MB



CSA Test Report #: 6448
ARE-EDG-3MB-**-06-E-UL-700
Initial Delivered Lumens: 7,740



SEC-EDG-3MB-**-08-E-UL-525-40K
Mounting Height: 10' (3.0m) A.F.G.
Initial Delivered Lumens: 8,300
Initial FC at grade

Type III Medium Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,027	B1 U0 G1	2,105	B1 U0 G1
04	4,054	B1 U0 G1	4,209	B1 U0 G1
06	6,011	B2 U0 G2	6,242	B2 U0 G2
08	8,015	B2 U0 G2	8,323	B2 U0 G2
10	9,994	B3 U0 G3	10,379	B3 U0 G3
12	11,993	B3 U0 G3	12,454	B3 U0 G3
525mA				
02	2,837	B1 U0 G1	2,947	B1 U0 G1
04	5,675	B2 U0 G2	5,893	B2 U0 G2
06	8,415	B2 U0 G2	8,739	B2 U0 G2
08	11,220	B3 U0 G3	11,652	B3 U0 G3
700mA				
02	3,466	B1 U0 G1	3,599	B1 U0 G1
04	6,932	B2 U0 G2	7,198	B2 U0 G2
06	10,279	B3 U0 G3	10,674	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>

Type III Medium Distribution w/BLS				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	1,499	B1 U0 G1	1,557	B1 U0 G1
04	2,999	B1 U0 G1	3,114	B1 U0 G1
06	4,446	B1 U0 G1	4,617	B1 U0 G1
08	5,929	B1 U0 G2	6,157	B1 U0 G2
10	7,393	B1 U0 G2	7,677	B1 U0 G2
12	8,872	B1 U0 G2	9,213	B1 U0 G2
525mA				
02	2,099	B1 U0 G1	2,180	B1 U0 G1
04	4,198	B1 U0 G1	4,359	B1 U0 G1
06	6,225	B1 U0 G2	6,464	B1 U0 G2
08	8,300	B1 U0 G2	8,619	B1 U0 G2
700mA				
02	2,564	B1 U0 G1	2,662	B1 U0 G1
04	5,127	B1 U0 G2	5,325	B1 U0 G2
06	7,603	B1 U0 G2	7,896	B1 U0 G2

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

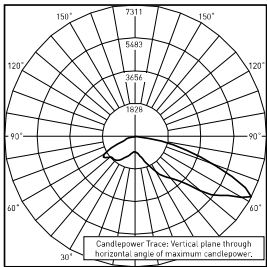
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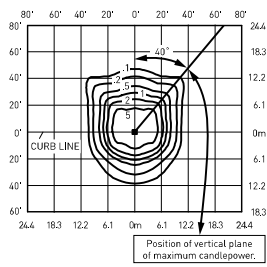
Photometry

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/cree-edge-series-5>

4M



ITL Test Report #: 78793
SEC-EDG-4M-**-06-E-UL-700-40K
Initial Delivered Lumens: 11,607

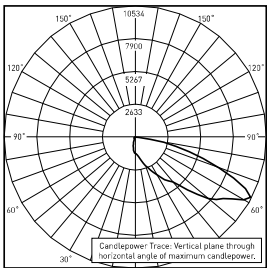


SEC-EDG-4M-**-08-E-UL-525-40K
Mounting Height: 10' [3.0m] A.F.G.
Initial Delivered Lumens: 11,835
Initial FC at grade

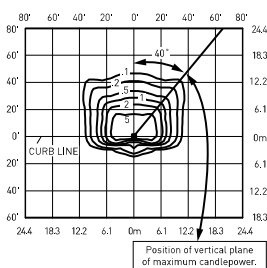
Type IV Medium Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,138	B1 U0 G1	2,220	B1 U0 G1
04	4,276	B1 U0 G1	4,440	B1 U0 G1
06	6,340	B2 U0 G2	6,584	B2 U0 G2
08	8,454	B2 U0 G2	8,779	B2 U0 G2
10	10,542	B2 U0 G2	10,947	B3 U0 G3
12	12,650	B3 U0 G3	13,137	B3 U0 G3
525mA				
02	2,993	B1 U0 G1	3,108	B1 U0 G1
04	5,986	B2 U0 G2	6,216	B2 U0 G2
06	8,876	B2 U0 G2	9,218	B2 U0 G2
08	11,835	B3 U0 G3	12,290	B3 U0 G3
700mA				
02	3,656	B1 U0 G1	3,796	B1 U0 G1
04	7,311	B2 U0 G2	7,593	B2 U0 G2
06	10,842	B3 U0 G3	11,259	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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4MB



CSA Test Report #: 6449
ARE-EDG-4MB-**-12-E-UL-525-40K
Initial Delivered Lumens: 13,155



SEC-EDG-4MB-**-08-E-UL-525-40K
Mounting Height: 10' [3.0m] A.F.G.
Initial Delivered Lumens: 8,915
Initial FC at grade

Type IV Medium Distribution w/BLS				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	1,610	B0 U0 G1	1,672	B0 U0 G1
04	3,221	B1 U0 G1	3,345	B1 U0 G1
06	4,776	B1 U0 G1	4,959	B1 U0 G1
08	6,368	B1 U0 G2	6,613	B1 U0 G2
10	7,941	B1 U0 G2	8,246	B1 U0 G2
12	9,529	B1 U0 G2	9,895	B1 U0 G2
525mA				
02	2,254	B0 U0 G1	2,341	B0 U0 G1
04	4,509	B1 U0 G1	4,682	B1 U0 G1
06	6,686	B1 U0 G2	6,943	B1 U0 G2
08	8,915	B1 U0 G2	9,258	B1 U0 G2
700mA				
02	2,754	B0 U0 G1	2,860	B0 U0 G1
04	5,507	B1 U0 G1	5,719	B1 U0 G2
06	8,167	B1 U0 G2	8,481	B1 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>



OSQ Series

OSQ™ LED Area/Flood Luminaire – Large

GC TO VERIFY THAT
FIXTURES CAN BE MOUNTED PER PLAN AND ALL
NECESSARY HARDWARE IS SPECIFIED FOR
INSTALLATION PRIOR TO PURCHASING

OSQ-DA-XX & OSQ-BLSMF &
OSQ-A-NM-4ME-T-40K-UL-XX

GC TO SEE NOTES BELOW

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 'T' input power designator is a suitable upgrade for HID applications up to 750 Watts, and the 'U' input power designator is a suitable upgrade for HID applications up to 1000 Watts.

Applications: Parking lots, walkways, campuses, auto 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 27,103

Efficacy: Up to 139 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

Accessories

Field-Installed	
Backlight Shield OSQ-BLSLF - Front facing optics OSQ-BLSLR - Rotated optics	Hand-Held Remote XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required Bird Spikes OSQ-LG-BRDSKP

Ordering Information

Fully assembled luminaire is composed of two components that must be ordered separately:
Example: **Mount:** OSQ-AASV + **Luminaire:** OSQ-A-NM-2ME-T-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

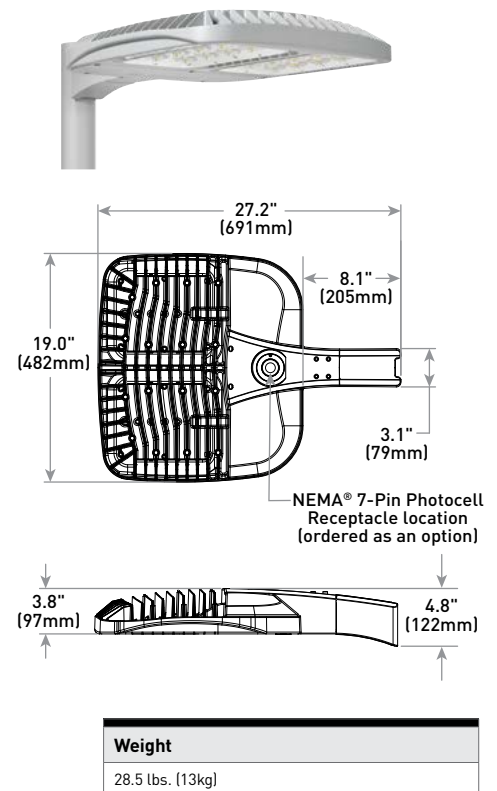
* Reference EPA and pole configuration suitability data beginning on page 7

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	Asymmetric 2ME* Type II Medium 4ME* Type IV Medium 3ME* Type III Medium	T 166W U 215W	30K 3000K 40K 4000K 57K 5700K	UL Universal 120-277V UH Universal 347-480V	BK Black BZ Bronze SV Silver WH White	F Fuse - When code dictates fusing, use time delay fuse - Available for U.S. applications only PML Programmable Multi-Level, up to 40' Mounting Height - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt PML2 Programmable Multi-Level, 10-30' Mounting Height - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1 Field Adjustable Output - Must select Q9, Q6, Q5, Q4, Q3, Q2, or Q1 for T input power designator - Must select Q9, Q8, Q7, Q6, Q5, Q4, Q3, Q2, or Q1 for U input power designator - Offers full range adjustability - Refer to pages 9-10 for power and lumen values - Not available with PML or PML2 options	R NEMA® 7-Pin Photocell Receptacle - 7-pin receptacle per ANSI C136.41 - Intended for downlight applications with maximum 45° tilt - Factory connected 0-10V dim leads - 18" [457mm] seven-conductor cord exits luminaire - Photocell and shorting cap by others RL Rotate Left - LED and optic are rotated to the left - Refer to RR/RL configuration diagram on page 2 for optic directionality RR Rotate Right - LED and optic are rotated to the right - Refer to RR/RL configuration diagram on page 2 for optic directionality
			Symmetric 5ME Type V Medium 25D 25° Flood 55H Type V Short 40D 40° Flood WSN Wide Sign 60D 60° Flood 15D 15° Flood						

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

DA Mount

TYPE HL



Rev. Date: V18 01/15/2019



US: lighting.cree.com

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

Canada: 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
- Includes 18" (340mm) 18/5 or 16/5 cord exiting the luminaire. When ordered with R option, 18" (340mm) 18/7 or 16/7 cord is provided
- 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:** 28.5 lbs. (13kg)

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
- Designed with 0-10V dimming capabilities. Controls by others
- Refer to Dimming spec sheet for details
- **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
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*							
Input Power Designator	System Watts 120-480V	Total Current (A)					
		120V	208V	240V	277V	347V	480V
T	166	1.41	0.83	0.72	0.62	0.49	0.35
U	215	1.83	1.08	0.93	0.81	0.62	0.45

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

OSQ Series Ambient Adjusted Lumen Maintenance¹

Ambient	Optic	Initial LMF	25K hr Projected ² LMF	50K hr Projected ² LMF	75K hr Projected ² / Calculated ³ LMF	100K hr Projected ² / Calculated ³ LMF
5°C (41°F)	Asymmetric	1.04	1.02	1.01	1.00 ³	0.99 ³
	Symmetric	1.05	1.04	1.03	1.03 ²	1.02 ²
10°C (50°F)	Asymmetric	1.03	1.01	1.00	0.99 ³	0.98 ³
	Symmetric	1.04	1.03	1.02	1.01 ²	1.00 ²
15°C (59°F)	Asymmetric	1.02	1.00	0.99	0.98 ³	0.97 ³
	Symmetric	1.02	1.02	1.01	1.00 ²	0.99 ²
20°C (68°F)	Asymmetric	1.01	0.99	0.98	0.97 ³	0.96 ³
	Symmetric	1.01	1.01	1.00	0.99 ²	0.98 ²
25°C (77°F)	Asymmetric	1.00	0.98	0.97	0.96 ³	0.95 ³
	Symmetric	1.00	0.99	0.98	0.98 ²	0.97 ²

¹ Lumen maintenance values at 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

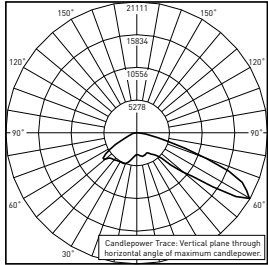
² In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ([DUT] i.e. the packaged LED chip)

³ 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)

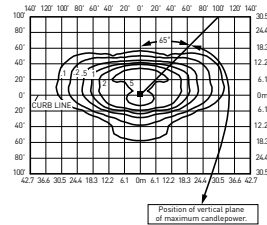
Photometry

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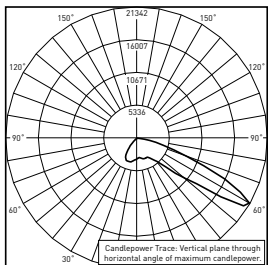
2ME



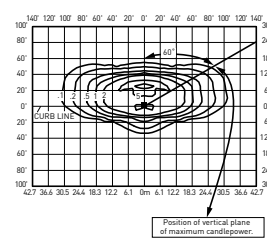
CESTL Test Report #: PL07701-001A
OSQ-A**-2ME-U-40K-UL
Initial Delivered Lumens: 26,946



OSQ-A-2ME-U-40K-UL**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,583
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-40K-UL w/OSQ-BLSLF**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 20,427
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
T	20,688	B3 U0 G3	21,902	B3 U0 G3	22,330	B3 U0 G3
U	25,246	B3 U0 G3	26,583	B3 U0 G3	27,103	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

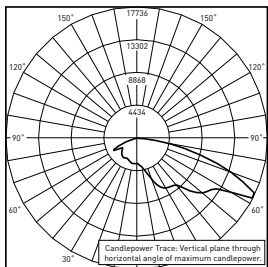
Type II Medium w/BLS Distribution

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
T	15,897	B2 U0 G2	16,830	B3 U0 G2	17,159	B3 U0 G2
U	19,400	B3 U0 G2	20,427	B3 U0 G2	20,826	B3 U0 G2

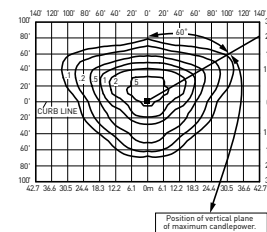
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

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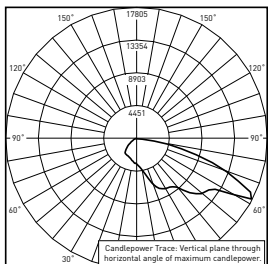
3ME



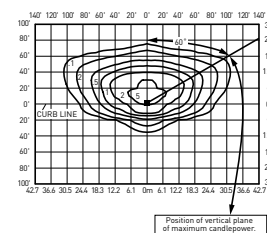
CESTL Test Report #: PL07698-001A
OSQ-A**-3ME-U-40K-UL
Initial Delivered Lumens: 27,305



OSQ-A-3ME-U-40K-UL**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,583
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-40K-UL w/OSQ-BLSLF**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 20,986
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
T	20,688	B3 U0 G3	21,902	B3 U0 G3	22,330	B3 U0 G3
U	25,246	B3 U0 G3	26,583	B3 U0 G3	27,103	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
T	16,333	B2 U0 G2	17,291	B2 U0 G2	17,629	B2 U0 G3
U	19,931	B2 U0 G3	20,986	B2 U0 G3	21,397	B2 U0 G3

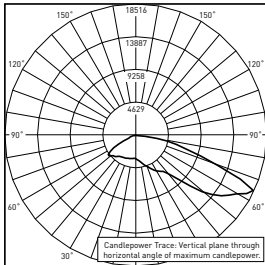
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

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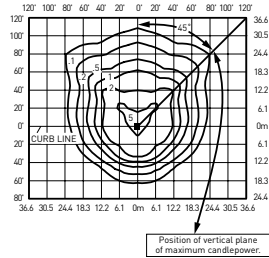
Photometry

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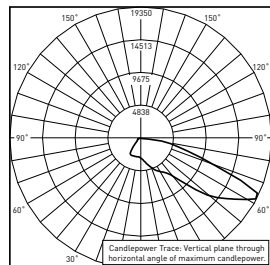
4ME



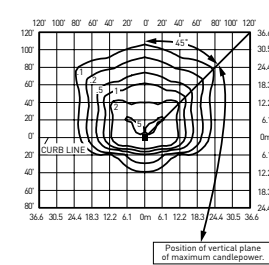
CESTL Test Report #: PL07690-001A
OSQ-A**-4ME-U-40K-UL
Initial Delivered Lumens: 27,527



OSQ-A**-4ME-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,583
Initial FC at grade

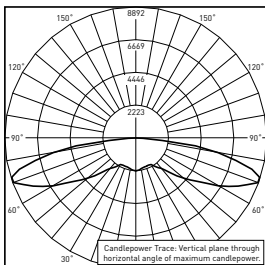


CESTL Test Report #: PL07692-001A
OSQ-A**-4ME-U-57K-UL w/OSQ-BLSLF
Initial Delivered Lumens: 22,793

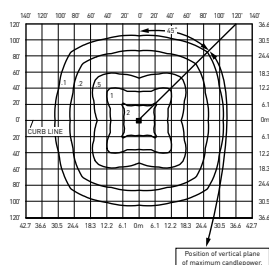


OSQ-A**-4ME-U-40K-UL w/OSQ-BLSLF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 20,427
Initial FC at grade

5ME

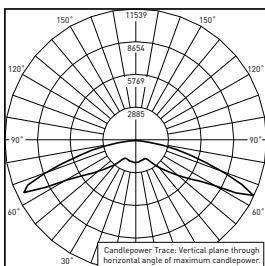


CESTL Test Report #: PL07882-001A
OSQ-A**-5ME-U-30K-UL
Initial Delivered Lumens: 21,410

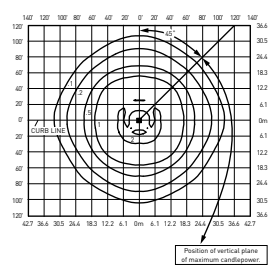


OSQ-A**-5ME-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 24,666
Initial FC at grade

5SH



CESTL Test Report #: PL10754-001A
OSQ-A**-5SH-U-40K-UL
Initial Delivered Lumens: 25,679



OSQ-A**-5SH-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,051
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
T	20,688	B3 U0 G3	21,902	B3 U0 G3	22,330	B3 U0 G3
U	25,246	B4 U0 G3	26,583	B4 U0 G3	27,103	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

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
T	15,897	B2 U0 G3	16,830	B2 U0 G3	17,159	B2 U0 G3
U	19,400	B3 U0 G3	20,427	B3 U0 G3	20,826	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 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
T	20,213	B5 U0 G5	21,469	B5 U0 G5	21,842	B5 U0 G5
U	23,222	B5 U0 G5	24,666	B5 U0 G5	25,095	B5 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

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
T	21,349	B5 U0 G3	22,675	B5 U0 G3	23,069	B5 U0 G3
U	24,527	B5 U0 G3	26,051	B5 U0 G3	26,504	B5 U0 G4

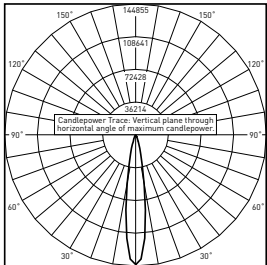
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** 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

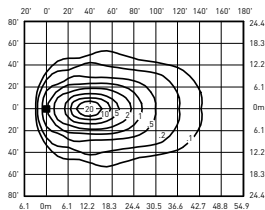
Photometry

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

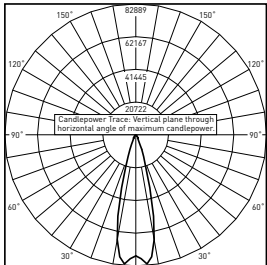


OSQ-A-**-15D-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 26,051
Initial FC at grade

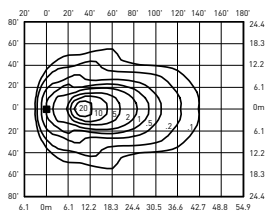
15° Flood Distribution			
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
T	21,349	22,675	23,069
U	24,527	26,051	26,504

* 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

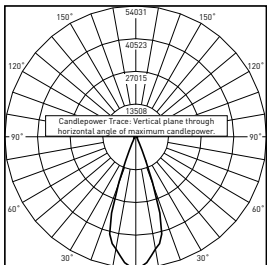


OSQ-A-**-25D-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 26,051
Initial FC at grade

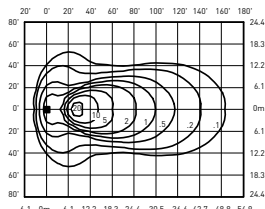
25° Flood Distribution			
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
T	21,349	22,675	23,069
U	24,527	26,051	26,504

* 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-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 26,051
Initial FC at grade

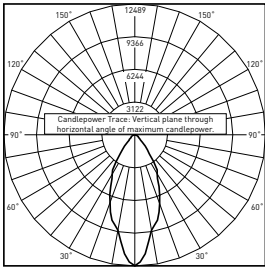
40° Flood Distribution			
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
T	21,349	22,675	23,069
U	24,527	26,051	26,504

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

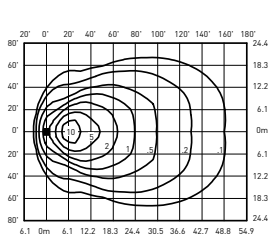
Photometry

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

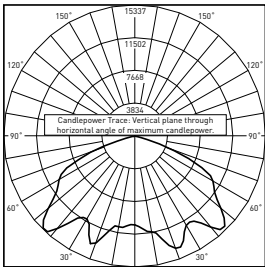


OSQ-A-**-60D-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 26,051
Initial FC at grade

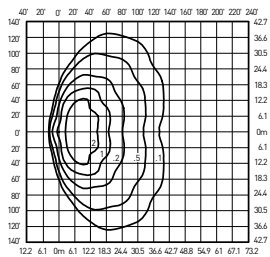
60° Flood Distribution			
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
T	21,349	22,675	23,069
U	24,527	26,051	26,504

* 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-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G., 60° tilt
Initial Delivered Lumens: 26,051
Initial FC at grade

Wide Sign Distribution			
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
T	21,349	22,675	23,069
U	24,527	26,051	26,504

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

Luminaire EPA

Fixed Arm Mount – OSQ-DA Weight: 28.5 lbs. (13kg)					
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
					
0.80	1.61	1.26	2.06	1.68	2.52

Adjustable Arm Mount – OSQ-AA Weight: 28.5 lbs. (13kg)							
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 180°	4 @ 90°
Tenon Configuration [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)
0° Tilt							
0.80	1.61	1.26	2.06	1.68	3.33	4.66	2.52
10° Tilt							
0.81	1.61	1.62	2.42	2.32	4.40	6.08	3.24
20° Tilt							
1.24	1.61	2.04	2.84	3.13	5.68	7.80	4.08
30° Tilt							
1.64	1.64	2.44	3.24	3.97	6.88	9.40	4.88
45° Tilt							
2.20	2.20	3.00	3.80	5.07	8.55	11.64	6.00
60° Tilt							
2.63	2.63	3.43	4.23	5.73	9.84	13.36	6.86
70° Tilt							
2.82	2.82	3.62	4.42	5.73	10.41	14.12	7.24
80° Tilt							
2.93	2.93	3.73	4.53	5.73	10.74	14.56	7.46
Tenon Configuration [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
90° Tilt							
2.95	2.95	4.84	6.52	5.73	10.81	14.64	11.19

* 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)	
Square Internal Mount Vertical Tenons (Steel) - 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	Round External Mount Vertical Tenons (Steel) - 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
Square Internal Mount Horizontal Tenons (Aluminum) - 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	Round External Mount Horizontal Tenons (Aluminum) - 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-3[120] – 120° Triple PT-2[180] – 180° Twin PT-4[90] – 90° Quad
Wall Mount Brackets - 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	Mid-Pole Bracket - Mounts to square pole PW-1A3** – Single PW-2A3** – Double
	Ground Mount Post - 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°
3" Square					
T & U	N/A	✓	N/A	N/A	N/A
3" Round					
T & U	N/A	✓	N/A	N/A	N/A
4" Square					
T & U	✓	✓	✓	N/A	✓
4" Round					
T & U	✓	✓	✓	✓	✓
5" Square					
T & U	✓	✓	✓	N/A	✓
5" Round					
T & U	✓	✓	✓	✓	✓
6" Square					
T & U	✓	✓	✓	N/A	✓
6" Round					
T & U	✓	✓	✓	✓	✓



Field Adjustable Output (Q9/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

Q Option Power & Lumen Data – Designator T

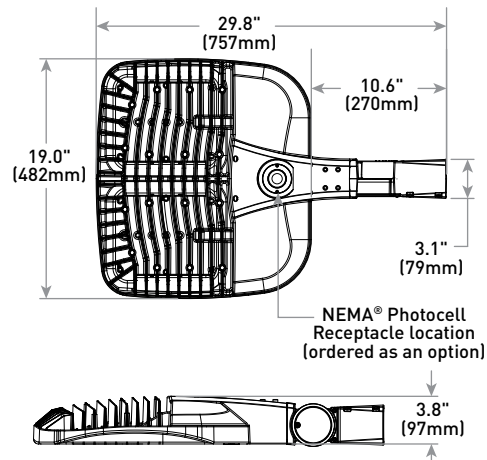
Q Option Setting	CCT	System Watts	Lumen Values						Optics Qualified on DLC QPL	
		120-480V	Asymmetric	5ME	5SH & Floods	2ME w/BLS	3ME w/BLS	4ME w/BLS	Standard	Premium
Q9 (Full Power)	30K	166	20,688	20,213	21,349	15,897	16,333	15,897	5ME, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME, 5SH
	40K		21,902	21,469	22,675	16,830	17,291	16,830	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		22,330	21,842	23,069	17,159	17,629	17,159	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q6	30K	151	18,826	18,394	19,428	14,466	14,863	14,466	5ME, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME, 5SH
	40K		19,931	19,537	20,634	15,315	15,735	15,315	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		20,320	19,876	20,993	15,615	16,042	15,615	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q5	30K	135	16,964	16,575	17,506	13,036	13,393	13,036	5ME, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME, 5SH
	40K		17,960	17,605	18,594	13,801	14,179	13,801	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		18,311	17,910	18,917	14,070	14,456	14,070	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q4	30K	115	15,102	14,755	15,585	11,605	11,923	11,605	5ME, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME, 5SH
	40K		15,988	15,672	16,553	12,286	12,622	12,286	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		16,301	15,945	16,840	12,526	12,869	12,526	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q3	30K	96	13,033	12,734	13,450	10,015	10,290	10,015	5ME, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME, 5SH
	40K		13,798	13,525	14,285	10,603	10,893	10,603	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		14,068	13,760	14,533	10,810	11,106	10,810	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q2	30K	79	10,551	10,309	10,888	8,107	8,330	8,107	5ME, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME, 5SH
	40K		11,170	10,949	11,564	8,583	8,818	8,583	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		11,388	11,139	11,765	8,751	8,991	8,751	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
Q1/	30K	58	8,689	8,489	8,967	6,677	6,860	6,677	5ME, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME, 5SH
	40K		9,199	9,017	9,524	7,069	7,262	7,069	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN
	57K		9,379	9,174	9,689	7,207	7,404	7,207	N/A	2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

Q Option Power & Lumen Data – Designator U

Q Option Setting	CCT	System Watts	Lumen Values						Optics Qualified on DLC QPL	
		120-480V	Asymmetric	5ME	5SH & Floods	2ME w/BLS	3ME w/BLS	4ME w/BLS	Standard	Premium
Q9 (Full Power)	30K	215	25,246	23,222	24,527	19,400	19,931	19,400	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
	40K		26,583	24,666	26,051	20,427	20,986	20,427	3ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 4ME
	57K		27,103	25,095	26,504	20,826	21,397	20,826	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
Q8	30K	191	23,226	21,364	22,565	17,848	18,337	17,848	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
	40K		24,456	22,693	23,967	18,793	19,307	18,793	3ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 4ME
	57K		24,935	23,087	24,384	19,160	19,685	19,160	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
Q7	30K	171	21,207	19,506	20,603	16,296	16,742	16,296	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
	40K		22,330	20,719	21,883	17,159	17,628	17,159	3ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 4ME
	57K		22,767	21,080	22,263	17,494	17,973	17,494	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
Q6	30K	152	19,439	17,881	18,886	14,938	15,347	14,938	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
	40K		20,469	18,993	20,059	15,729	16,159	15,729	3ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 4ME
	57K		20,869	19,323	20,408	16,036	16,476	16,036	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
Q5	30K	133	17,672	16,255	17,169	13,580	13,952	13,580	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
	40K		18,608	17,266	18,236	14,299	14,690	14,299	3ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 4ME
	57K		18,972	17,567	18,553	14,578	14,978	14,578	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
Q4	30K	113	15,400	14,165	14,961	11,834	12,158	11,834	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
	40K		16,216	15,046	15,891	12,460	12,801	12,460	3ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 4ME
	57K		16,533	15,308	16,167	12,704	13,052	12,704	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
Q3	30K	94	13,128	12,075	12,754	10,088	10,364	10,088	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
	40K		13,823	12,826	13,547	10,622	10,913	10,622	3ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 4ME
	57K		14,094	13,049	13,782	10,830	11,126	10,830	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
Q2	30K	77	11,108	10,218	10,792	8,536	8,770	8,536	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
	40K		11,697	10,853	11,462	8,988	9,234	8,988	3ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 4ME
	57K		11,925	11,042	11,662	9,163	9,415	9,163	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
Q1	30K	53	7,574	6,967	7,358	5,820	5,979	5,820	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME
	40K		7,975	7,400	7,815	6,128	6,296	6,128	3ME, 5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 4ME
	57K		8,131	7,529	7,951	6,248	6,419	6,248	5ME, 5SH, 15D, 25D, 40D, 60D, WSN	2ME, 3ME, 4ME

AA Mount**RR/RL Configuration**