

CPY Series - Version B

CPY250® LED Canopy/Soffit Luminaire

Rev. Date: V17 11/18/2020

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 and can be pendant mounted. Direct imaging of the LEDs is eliminated with a highly efficient patterned flat or 0.91" (23mm) drop glass lens.

Applications: Petroleum canopies, CNG fueling stations, soffits

Performance Summary

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

Initial Delivered Lumens: Up to 20,080

Efficacy: Up to 151 LPW

CRI: Minimum 70 CRI

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

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

IP66 Rated (Direct Mount only)

Class I, Division 2 Hazardous Location for select models

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

Accessories

Field-Installed	
Direct Mount Luminaires Canopy Upgrade Kits (18 ga. steel, except where noted) CPY-AP304* - for use with Cree Lighting CAN-304 luminaires, 16 ga. 5052 aluminum XA-BXCCMW - for use with Jet-Philips, 21.60" (549mm) square, white XA-BXCCNW - for use with Elco Franciscan, 22.06" (560mm) square, white XA-BXCCPW - for use with LSI Dakota or Masters, 22.50" (572mm) square, white XA-BXCCQW - for use with Whiteway Riviera or Rig-A-Lite, 20.60" (523mm) square, white XA-BXCCRW - for use with Elco Meritt, 18.06" (459mm) square, white XA-BXCCSW - for use with LSI Richmond or Whiteway Civic, 23.00" (584mm) L x 13.00" (330mm) W, white Direct Mount Junction Box/Stem Kit XA-BXCCJBX - 6.0" (152mm) H x 3/4" (19mm) NPT Stem - Watertight - Rated for feed through 8 (4 in, 4 out) #12 AWC conductors Direct Mount Beauty Plates XA-BXCCBPW - 26.17" (665mm) Beauty Plate Only (18 ga. steel), white XA-BXCCBPB12W - 26.17" (665mm) Beauty Plate (18 ga. steel) w/12" (305mm) Backer Plate (16 ga. steel), white - For use in canopies where deck opening is larger than what is required for mounting the CPY250 luminaire. Maximum deck opening 10.75" x 15" (183mm x 375mm) XA-BXCCBPB16W - 26.17" (665mm) Beauty Plate (18 ga. steel) w/16" (406mm) Backer Plate (16 ga. steel), white - For use in canopies where deck opening is larger than what is required for mounting the CPY250 luminaire. Maximum deck opening 12" x 15" (305mm x 375mm)	Pendant Mount Luminaires Pendant Mount Kits XA-PS12KIT* - 5" (127mm) pendant XA-PS18KIT* - 11" (279mm) pendant XA-PS22KIT* - 15" (381mm) pendant - Includes two conduit fittings and 3/4-14 NPT pipe threaded on two ends Hand-Held Remote XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

* Must specify color: BK (Black), BZ (Bronze), SV (Silver) or WH (White)

Ordering Information

Example: CPY250-B-DM-D-A-UL-SV

Product	Version	Mounting**	Optic	Lumen Package/ Input Power Designator	Voltage	Color Options	CCT	Options
CPY250	B	DM Direct HC Hook & Cord PD Pendant	D 0.91" (23mm) Drop Lens F Flat Lens	A 60W 13L 91W B 96W C 31W E 145W F 85W	UL Universal 120-277V UH* Universal 347-480V - Available with B, E & F input power designators only - Must specify either 34 or 48 voltage with 13L, A and C 34* 347V - Available with 13L lumen package and A & C input power designators only 48* 480V - Available with 13L lumen package and A & C input power designators only	BK Black BZ Bronze SV Silver WH White	30K 3000K 40K 4000K 57K 5700K	DIM 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed wattage of specified lumen package/ Input Power Designator HZ Class I, Div. 2 Hazardous Location Certification - Available with DM and PD mounts only - PD mount with 34 & 48 voltages not available in Canada when ordered with luminaires with step-down transformers (13L lumen package, A & C input power designators) - Not available with K or PML options K NSF 2 Certification - Luminaires include NSF certification mark - Available with the DM mount only - Not available with the HZ or PML options PML Programmable Multi-Level - Available with UL voltage only - Refer to PML spec sheet for details

* 13L lumen package and A & C input power designators utilize a magnetic step-down transformer. For input power for 347 and 480V, refer to the Electrical Data table

** For Car Wash Applications please contact Cree Lighting @ 1-800-236-6800



CREE **LIGHTING**

US: creelighting.com T (800) 236-6800

Canada: creelighting-canada.com T (800) 473-1234

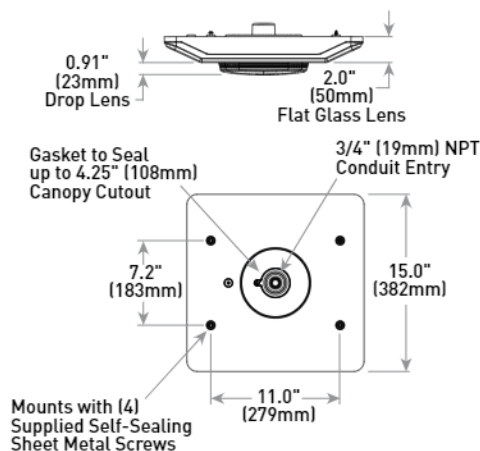
DM Mount



Flat Lens



Drop Lens



Weight

12.5 lbs. (5.7kg)

CPY250® LED Canopy/Soffit Luminaire - Version B

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
- Drop lens is 0.157" molded borosilicate 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 provide a weathertight seal and includes 3/4" (19mm) conduit entry for direct wire feed
- Hook and cord mount includes a 3' (0.91m) cord out of the luminaire and is intended to hang from the single hook
- Standard pendant mount includes a mounting bracket and a J-Box for customer wiring and is intended to be mounted by 3/4 IP pendant (by others)
- Hazardous location pendant mount has a threaded hub which accepts 3/4" NPT conduit (by others) and secures with a 1/4"-20 set screw
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver and white are available
- **Weight:** 12.5 lbs. (5.7kg)

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 6kV surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current

CONTROLS

- Continuous dimming to 10% with 0-10V DC control protocol
- **10V Source Current:** 0.15mA
- Use only lighting controls with neutral connection or controls intended for use with LED fixtures
- Reference LED Dimming spec sheet for additional dimming information

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations when ordered with DM and DM mount with HZ option. Covered ceiling required only when not used with cULus Listed, wet location junction box or XA-BXCCJBBOX accessory
- Suitable for damp locations when ordered with HC and PD mounts. Designed for indoor use only
- Suitable for wet locations when ordered with PD mount and HZ option
- Enclosure rated IP66 per IEC 60529 when ordered with DM mount. Exceptions apply when HZ option is selected
- Consult factory for CE Certified products
- 6kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- RoHS compliant. Consult factory for additional details
- Class I, Division 2 Hazardous Location rated when ordered with the DM or PD mount and the HZ option. A & C input power designators are available for DM and PD mounts except PD mount with 34 & 48 voltages in Canada. Not available with K or PML options. Rated for Groups A, B, C & D. Bears a T3C (160°C) temperature classification within a 25°C ambient
- NSF Certified when ordered with DM mount and K option. Not available with HZ or PML options. Refer to <http://info.nsf.org/Certified/Food/> for additional details
- DLC and DLC Premium qualified versions available. Please refer to <https://www.designlights.org/search/> for most current information
- Dark Sky Friendly, IDA Approved when ordered with 30K CCT and Flat Lens (F). Please refer to <https://www.darksky.org/our-work/lighting/lighting-for-industry/fsa/fsa-products/> for most current information
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm - www.p65warnings.ca.gov

Electrical Data*								
Lumen Package/ Input Power Designator	System Watts 120-277V	System Watts 347-480V; 347/480V	Total Current (A)					
			120V	208V	240V	277V	347V	480V
A	60	68	0.51	0.29	0.25	0.22	0.20	0.14
13L	91	102	0.79	0.45	0.39	0.34	0.30	0.21
B	96	96	0.82	0.47	0.40	0.35	0.28	0.20
C	31	33	0.26	0.15	0.13	0.11	0.10	0.07
E	145	145	1.22	0.70	0.61	0.53	0.42	0.30
F	85	85	0.72	0.41	0.36	0.31	0.24	0.18

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/- 10%

CPY Series (Version B) Ambient Adjusted Lumen Maintenance¹

Ambient	Lumen Package/ Input Power Designator	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Estimated ³ LMF	100K hr Estimated ³ LMF
5°C (41°F)	A/B/C/E/F	1.03	1.00	0.96	0.93	0.90
	13L	1.04	1.01	1.00	0.98	0.97
10°C (50°F)	A/B/C/E/F	1.02	0.99	0.95	0.92	0.89
	13L	1.03	1.00	0.99	0.97	0.96
15°C (59°F)	A/B/C/E/F	1.02	0.99	0.95	0.92	0.89
	13L	1.02	0.99	0.98	0.96	0.95
20°C (68°F)	A/B/C/E/F	1.01	0.98	0.95	0.91	0.88
	13L	1.01	0.98	0.97	0.95	0.94
25°C (77°F)	A/B/C/E/F	1.00	0.97	0.94	0.90	0.87
	13L	1.00	0.97	0.96	0.94	0.93
30°C (86°F)	A/B/C/E/F	0.99	0.96	0.93	0.90	0.87
	13L	0.99	0.96	0.95	0.93	0.92

¹ Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package 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 IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

³ Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

Operating Temperature Range

Lumen Package/ Input Power Designator	Direct Mount to Plywood	Direct Mount to Sheet Metal/ Suspended	Class 1, Division 2 Hazardous Location	
			Direct Mount to Plywood	Direct Mount to Sheet Metal/Suspended
A	-40°C to +40°C	-40°C to +45°C	-40°C to +25°C	
13L/B	-40°C to +35°C	-40°C to +40°C		
C	-40°C to +45°C	-40°C to +50°C		
E	-40°C to +35°C	-40°C to +40°C		
F	-40°C to +40°C	-40°C to +45°C		

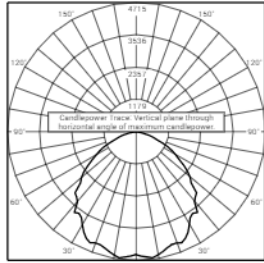
WARNING: Exceeding maximum operating temperature may result in thermal foldback

Photometry

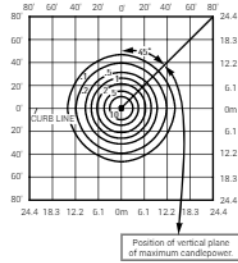
All published luminaire photometric testing performed to IES LM-79-08 standards.

To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/canopy-and-soffit/cpy-series>

DROP LENS



CESTL Test Report #: PL08412-001A
CPY250-B-**-D-B-UL-**-57K
Initial Delivered Lumens: 12,403



CPY250-B-**-D-B-UL-**-57K
Mounting Height: 15' (4.6m) A.F.G.
Initial Delivered Lumens: 12,860
Initial FC at grade

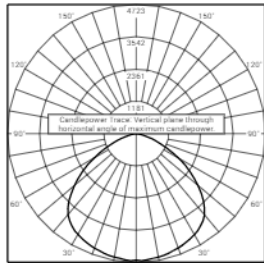
Drop Lens Distribution

Lumen Package/ 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
A	7,250	B3 U2 G1	7,600	B3 U2 G1	7,720	B3 U2 G1
13L	11,900	B3 U2 G1	12,800	B3 U2 G1	12,825	B3 U2 G1
B	11,850	B3 U2 G1	12,380	B3 U2 G1	12,860	B3 U2 G1
C	4,210	B2 U2 G1	4,420	B2 U2 G1	4,520	B2 U2 G1
E	19,100	B4 U3 G2	19,600	B4 U3 G2	20,080	B4 U3 G2
F	11,850	B3 U2 G1	12,380	B3 U2 G1	12,860	B3 U2 G1

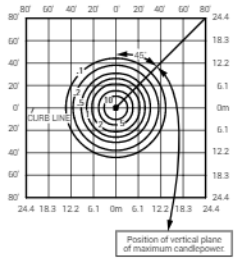
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** 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>

FLAT LENS



CESTL Test Report #: PL08165-001C
CPY250-B-**-F-B-UL-**-57K
Initial Delivered Lumens: 13,040



CPY250-B-**-F-B-UL-**-57K
Mounting Height: 15' (4.6m) A.F.G.
Initial Delivered Lumens: 12,860
Initial FC at grade

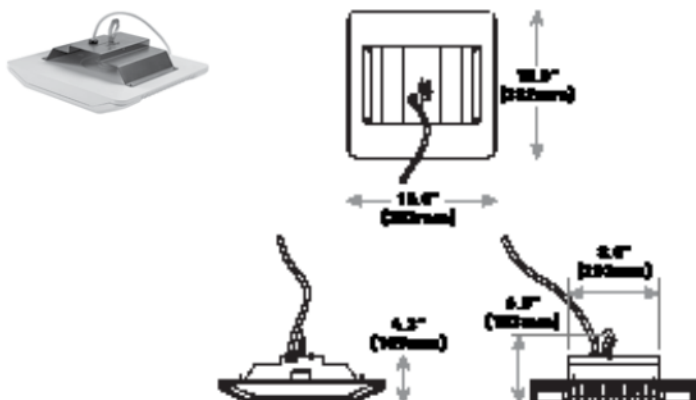
Flat Lens Distribution

Lumen Package/ 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
A	7,250	B3 U0 G1	7,600	B3 U0 G1	7,720	B3 U0 G1
13L	11,900	B3 U0 G1	12,800	B3 U0 G1	12,825	B3 U0 G1
B	11,850	B3 U0 G1	12,380	B3 U0 G1	12,860	B3 U0 G1
C	4,210	B2 U0 G1	4,420	B2 U0 G1	4,520	B2 U0 G1
E	19,100	B4 U0 G1	19,600	B4 U0 G1	20,080	B4 U0 G1
F	11,850	B3 U0 G1	12,380	B3 U0 G1	12,860	B3 U0 G1

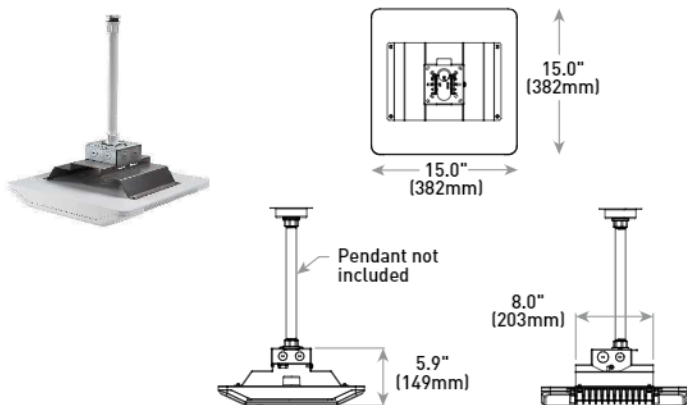
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** 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>

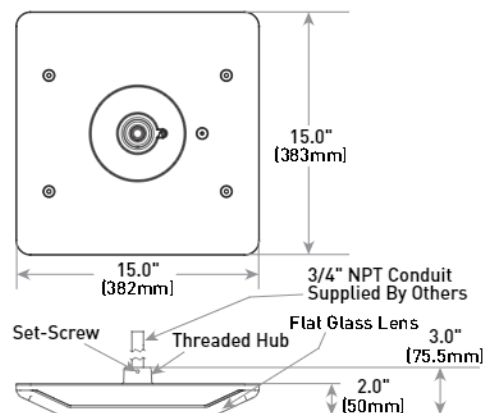
HC Mount



PD Mount



PD Mount w/HZ Option



CRT Series

CR6T LED Downlight - 6" (152mm)

Rev. Date: V5 02/13/2020

Product Description

The new CR6T LED downlight delivers up to 1,650 lumens while achieving over 84 lumens per watt. This breakthrough performance is achieved by combining the high efficacy and high-quality 90 CRI light. The CR6T is available in warm and cool color temperatures, and easily installs into most standard five-inch or six-inch recessed IC or non-IC housings.

Applications: New construction or upgrade for residential and commercial lighting

Performance Summary

Initial Delivered Lumens: 825 Lumens - 1,650 Lumens

Input Power: 11 watts, 14.5 watts, 21 watts, 19.5 watts

CRI: 90+

CCT: 2700K, 3000K, 3500K, 4000K

Limited Warranty¹: 5 years

Lifetime: Designed to last 50,000 hours

Dimming: Dimmable to 5% (At 120V Only)

Rated for Dry, Damp, and Wet Locations

¹ See <http://creelighting.com/warranty> for warranty terms

Accessories

Field-Installed	
Trims CR6T-TRMBRAN-1 - 6" (152mm) Plastic Reflector Trim - Bronze CR6T-TRMBKAN-1 - 6" (152mm) Plastic Reflector Trim - Black CR6T-TRMSTAN-1 - 6" (152mm) Plastic Reflector Trim - Satin Nickel CR6T-TRMBKBB-1 - 6" (152mm) Plastic Reflector Trim w/Extended Flange - Black	8" Adapter Ring GR8 - Optional goof ring accommodates existing housings with apertures from 6.25" (159mm) to 8.5" (216mm) in diameter

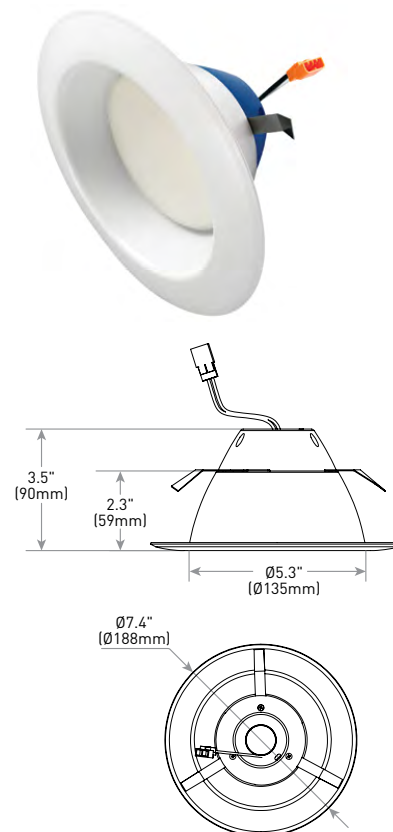
Housings

Refer to page three for details.

Ordering Information

Example: CR6T-825L-27K-12-E26GU24

CR6T		Initial Delivered Lumens		CCT		Voltage	Base Type
Series							
CR6T 6" (152mm)	825L 11W, 825 Lumens - 75 LPW 1100L 14.5W, 1100 Lumens - 76 LPW 1600L 21W, 1600 Lumens - 76 LPW	1200L (120-277V Only) 14.5W, 1,200 Lumens - 82 LPW 1650L (120-277V Only) 19.5W, 1,650 Lumens - 84 LPW		27K 2700K 30K 3000K	35K 3500K 40K 4000K	12 120 Volts 1227 120-277 Volts (Universal)	E26GU24 Includes E26 (Title 20 Compliant) and GU24 Base Pigtail (Title 24 Compliant) Blank Includes E26 (Title 20 Compliant), GU24 Base (Title 24 Compliant), and 277V Connector Pigtails
Ordering Number	Single-Carton UPC	Single Cartons Per Master Carton	Master Carton ITF-14	Watts	CCT	Lumens	Rated Life (Hrs)
CR6T-825L-27K-12-E26GU24	849665023487	12	10849665023484	11	2700K	825	50,000
CR6T-825L-30K-12-E26GU24	849665023494	12	10849665023491	11	3000K	825	50,000
CR6T-825L-35K-12-E26GU24	849665023500	12	10849665023507	11	3500K	825	50,000
CR6T-825L-40K-12-E26GU24	849665023517	12	10849665023514	11	4000K	825	50,000
CR6T-1100L-27K-12-E26GU24	849665023425	12	10849665023422	14.5	2700K	1,100	50,000
CR6T-1100L-30K-12-E26GU24	849665023432	12	10849665023439	14.5	3000K	1,100	50,000
CR6T-1100L-35K-12-E26GU24	849665025412	12	10849665025419	14.5	3500K	1,100	50,000
CR6T-1100L-40K-12-E26GU24	849665023449	12	10849665023453	14.5	4000K	1,100	50,000
CR6T-1600L-27K-12-E26GU24	849665023456	12	10849665023453	21	2700K	1,600	50,000
CR6T-1600L-30K-12-E26GU24	849665023463	12	10849665023460	21	3000K	1,600	50,000
CR6T-1600L-35K-12-E26GU24	849665025429	12	10849665025426	21	3500K	1,600	50,000
CR6T-1600L-40K-12-E26GU24	849665023470	12	10849665023477	21	4000K	1,600	50,000
CR6T-1200L-27K-1227	849665037231	12	10849665037238	14.5	2700K	1,200	50,000
CR6T-1200L-30K-1227	849665037248	12	10849665037245	14.5	3000K	1,200	50,000
CR6T-1200L-35K-1227	849665037255	12	10849665037252	14.5	3500K	1,200	50,000
CR6T-2100L-40K-1227	849665037262	12	10849665037269	14.5	4000K	1,200	50,000
CR6T-1650L-27K-1227	849665037279	12	10849665037276	19.5	2700K	1,650	50,000
CR6T-1650L-30K-1227	849665037286	12	10849665037283	19.5	3000K	1,650	50,000
CR6T-1650L-35K-1227	849665037293	12	10849665037290	19.5	3500K	1,650	50,000
CR6T-1650L-40K-1227	849665037309	12	10849665037306	19.5	4000K	1,650	50,000



CREE  **LIGHTING**

US: creelighting.com T (800) 236-6800

Canada: creelighting-canada.com T (800) 473-1234

CR6T LED Downlight - 6" (152mm)

Product Specifications

CONSTRUCTION & MATERIALS

- Durable upper housing protects LEDs, driver and power supply. Adjustable flip clips resist heat while providing retention for flush ceiling fit
- Thermal management system uses both upper housing and lower reflector to conduct heat away from LEDs and transfer it to the plenum space for optimal performance. LED junction temperatures stay below specified maximum even when installed in insulated ceilings
- Suitable for insulated and non-insulated ceilings
- One-piece aluminum lower reflector redirects light while also conducting heat away from LEDs. It creates a comfortable visual transition from the lens to the ceiling plane and easily accommodates CR6 snap-in trims

OPTICAL SYSTEM

- Unique combination of reflective and refractive optical components achieves a uniform, comfortable appearance while eliminating pixelation and color fringing. This ensures smooth light patterns are projected with no hot spots and minimal striations
- Components work together to optimize distribution, balancing the delivery of high illuminance levels on horizontal surfaces with an ideal amount of light on walls and vertical surfaces. This increases the perception of spaciousness
- Diffusing polycarbonate lens shields direct view of LEDs while lower reflector balances brightness of lens with the ceiling to create a low-glare high angle appearance

ELECTRICAL SYSTEM

- Integral, high-efficiency power supply
- Power Factor:** > 0.9
- Total Harmonic Distortion:** < 20%
- Input Voltage:** 120V, 50/60Hz; 120-277V, 50/60 hz
- Dimming:** Dimmable to 5% with select incandescent dimmers at 120V only. Forward phase (triac) and reverse phase dimming only.
- Reference <http://lighting.cree.com/products/indoor/retrofit-downlights/crt-series> for recommended dimmers
- Use only lighting controls with neutral connection or controls intended for use with LED fixtures
- Operating Temperature Range:** -25°C to +35°C (-13°F - +95°F)

REGULATORY & VOLUNTARY QUALIFICATIONS

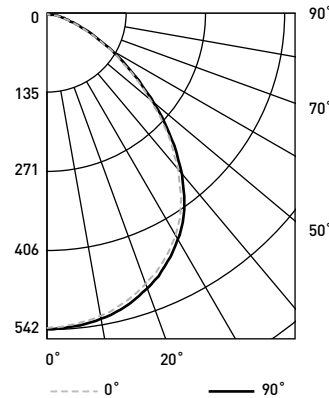
- cULus Classified
- Suitable for wet locations for covered ceilings only
- Meets FCC Part 15, Subpart B, Class B standards for conducted and radiated emissions
- ENERGY STAR® certified. Please refer to <https://www.energystar.gov/productfinder/product/certified-light-fixtures/results> for most current information
- CEC California Title 20/Title 24 JA8 Compliant
- RoHS Compliant. Consult factory for additional details
- CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Photometry

CR6T-1100L-27K BASED ON CESTL REPORT TEST #: PL13053-001A

Luminaire photometry has been conducted 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%.



Average Luminance Table (cd/m²)

Vertical Angle	Horizontal Angle		
	0°	45°	90°
45°	26,004	26,188	26,575
55°	19,609	19,685	19,880
65°	13,263	13,248	13,366
75°	8,283	8,211	8,235
85°	7,130	6,773	6,702

Coefficients Of Utilization – Zonal Cavity Method				
RC %:	80			
RW %:	70	50	30	10
RCR: 0	119	119	119	119
1	110	106	103	99
2	102	95	89	84
3	94	84	77	71
4	87	76	68	62
5	80	68	60	54
6	74	62	54	48
7	69	57	48	43
8	65	52	44	38
9	60	48	40	35
10	57	44	37	32

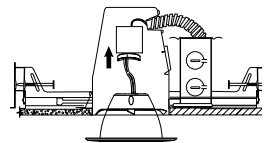
Effective Floor Cavity Reflectance: 20%

Zonal Lumen Summary			
Zone	Lumens	% Lamp	Luminaire
0-30	418	N/A	34.6%
0-40	673	N/A	55.7%
0-60	1069	N/A	88.5%
0-90	1209	N/A	100.0%
0-180	1209	N/A	100.0%

Reference <https://creeighting.com/products/indoor/retrofit-downlights/crt-series> for detailed photometric data

Installation

- Designed easily to install in standard 5-6" (127mm - 152mm) downlight housings with minimum housing height of 5.5" (140mm) and diameter 5.5" to 6.5" (140mm - 165mm)
- Quick install system utilizes a unique retention feature. Simply attach socket to CR6T. Move light to ready position and slide into housing



NOTE: Reference <https://creeighting.com/products/indoor/retrofit-downlights/crt-series> for detailed installation instructions

Application Reference

Open Space					
Spacing	Lumens	Wattage	LPW	w/ft ²	Average FC
4 x 4	825	11	75	0.66	48
6 x 6				0.30	22
8 x 8				0.16	12
10 x 10				0.11	8
4 x 4	1,100	14.5	76	0.87	64
6 x 6				0.40	30
8 x 8				0.21	16
10 x 10				0.14	10
4 x 4	1,600	21	76	1.26	94
6 x 6				0.58	44
8 x 8				0.31	23
10 x 10				0.21	15

10' Ceiling, 80/50/20 Reflectances, 2.5 workplane. LLF: 1.0 Initial. Open Space: 50' x 40' x 10'

Corridor					
Spacing	Lumens	Wattage	LPW	w/ft ²	Average FC
4' on Center	825	11	75	0.45	16
6' on Center				0.31	11
8' on Center				0.22	8
10' on Center				0.18	6
4' on Center	1,100	14.5	76	0.60	22
6' on Center				0.41	15
8' on Center				0.29	10
10' on Center				0.24	9
4' on Center	1,600	21	76	0.87	32
6' on Center				0.60	22
8' on Center				0.42	15
10' on Center				0.35	13

10' Ceiling, 80/50/20 Reflectances, Light levels on the ground. LLF: 1.0 Initial. Corridor: 6' Wide x 100' Long

Housings - Reference Housing spec sheets for additional details	
Edison (E26) Base Housings Recessed Housings, 120V RC6 - New construction RR6 - Retrofit Recessed "Pan" Conversion Kit, 120V C6 Surface Mount Housings, 120V SC6 - Textured white finish SC6-BL - Textured black finish Cord Mount Housings, 120V SC6-CM - Textured white finish - Includes 5" (127mm) canopy and 7' (2.1m) white cord SC6-CM-BL - Textured black finish - Includes 5" (127mm) canopy and 7' (2.1m) black cord	GU24 Base Housings Recessed Housings, 120V H6-GU24 - Architectural new construction RC6-GU24 - New construction RR6-GU24 - Retrofit Recessed "Pan" Conversion Kit, 120V C6-GU24 C6-120V-LSA - Less socket adapter Surface Mount Housings, 120V SC6-GU24 - Textured white finish SC6-BL-GU24 - Textured black finish Cord Mount Housings, 120V SC6-CM-GU24 - Textured white finish - Includes 5" (127mm) canopy and 7' (2.1m) white cord SC6-CM-BL-GU24 - Textured black finish - Includes 5" (127mm) canopy and 7' (2.1m) black cord Wall Mount Housings, 120V SC6-WM-GU24 - Textured white finish SC6-WM-BL-GU24 - Textured black finish

C-WP-B-RDC Series

Cutoff LED Wall Pack

Replaces up to 400W PSMH

C-LITE
LED LIGHTING

OFF THE WALL SAVINGS

Our cULus listed C-Lite Cutoff LED Wall Pack delivers up to 21,100 lumens and is available in 4000K and 5000K. It's dimmable, for maximum energy savings, and comes with a 5-year limited warranty. It also comes with a DLC Premium 5.1 Listing.



PRODUCT SPECIFICATIONS

OVERVIEW

- Initial Delivered Lumens: 1500 - 21,000 Lumens
- CRI: ≥ 70
- CCT: 4000K, 5000K
- Mounting height: 12 - 25 feet
- Input Power: 12W/22W/47W/77W/144W
- Dimmable: Yes, 0-10V
- Operating Temperature Range: -40°F to 104°F (-40°C to 40°C)
- Estimated L70 Lifetime @ 25°C: > 100,000 hours
- Power Factor: > 0.9
- Total Harmonic Distortion: < 20%
- Limited Warranty: 5 Years*
- Replaces up to 400 PSMH

FEATURES	RECOMMENDED USE	INPUT VOLTAGE
<ul style="list-style-type: none">• Replaces up to 400W PSMH• 4kV Surge suppression• Contractor friendly install	<ul style="list-style-type: none">• Security• Perimeter• Commercial	<ul style="list-style-type: none">• Universal (120V through 277V Operation)

ORDERING INFORMATION

Example: C-WP-B-RDC-1L-40K-DB

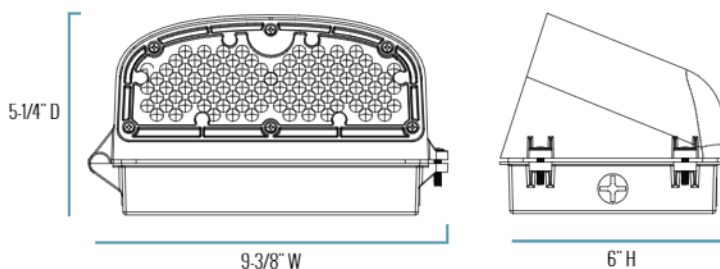
C-WP	B	RDC				DB
PRODUCT	SERIES	TYPE	LUMEN PACKAGE		CCT	COLOR
C-WP	B	RDC Round Cutoff	1L 1500L 12W	10L 10,600L 77W	40K 4000K (Neutral White)	DB Dark Bronze
			3L 3000L (4000K), 3100L (5000K) 22W	20L 20,900L (4000K), 21,100L (5000K) 144W	50K 5000K (Cool White)	
			6L 6200L (4000K), 6300L (5000K) 47W			

CERTIFICATIONS

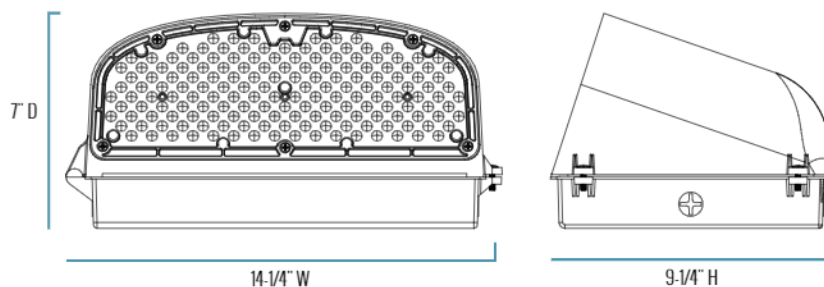


C-WP-B-RDC Series

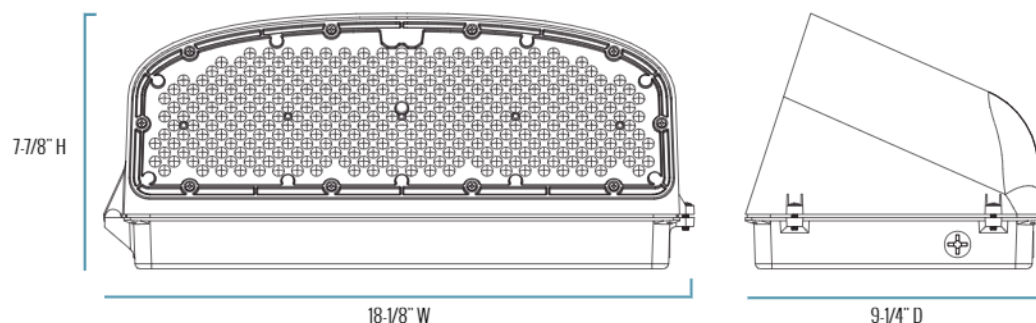
C-WP-B-RDC-1L, 3L



C-WP-B-RDC-6L, 10L



C-WP-B-RDC-20L



SERIES OVERVIEW

DIMENSIONS	PRODUCT WEIGHT	MOUNTING HEIGHT	RECOMMENDED SPACING
(C-WP-B-RDC-1L) 9-3/8" W x 6" H x 5-1/4" D	2.41 lbs.	12-20 feet	2-3x mounting height
(C-WP-B-RDC-3L) 9-3/8" W x 6" H x 5-1/4" D	2.58 lbs.	12-20 feet	
(C-WP-B-RDC-6L) 14-1/4" W x 9-1/4" H x 7" D	5.65 lbs.	12-20 feet	
(C-WP-B-RDC-10L) 14-1/4" W x 9-1/4" H x 7" D	6.07 lbs.	12-20 feet	
(C-WP-B-RDC-20L) 18-1/8" W x 9-1/4" H x 7-7/8" D	13.60 lbs.	12-25 feet	

C-WP-B-RDC Series

FIXTURE SPECIFICATIONS

HOUSING	Heavy duty die-cast aluminum with a durable powder coat dark bronze finish
LENS ASSEMBLY	Integrated UV stabilized polycarbonate lens, designed to control the light and offer the most efficiency on the product
MOUNTING	1/2-inch threaded knockouts provided for conduit entry or mount over a recessed j-box. Knockouts are located on both sides and the top of the back box

ELECTRICAL PERFORMANCE


OPERATING TEMPERATURE RANGE	ESTIMATED L70 LIFETIME @ 25°C (77°F)	POWER FACTOR	TOTAL HARMONIC DISTORTION
-40°F to 104°F (-40°C to 40°C)	>100,000 Hours	>0.9	<20%

SYSTEM WATTS (120-277V)	CURRENT DRAW (AMPS)			
	120V	208V	240V	277V
12W	0.2	0.12	0.11	0.1
22W	0.25	0.18	0.16	0.15
47W	0.8	0.5	0.4	0.25
77W	0.9	0.6	0.5	0.35
144W	1.8	1.3	1	0.8

WARRANTY AND CERTIFICATIONS

WARRANTY	cULus LISTED	DLC	DIMMABLE
5 Year Limited*	Wet Locations	Premium 5.1	Yes. 0-10V Dimmable

ACCESSORIES

	UNIVERSAL BUTTON PHOTOCELL (120V-277V)
	SKU: JL-423CZ USE: Photocell is field installed and drilling of the back box is required.

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Rev. Date: 03/25/2021

For informational purposes only. Content is subject to change. *See lighting.cree.com/warranty for details

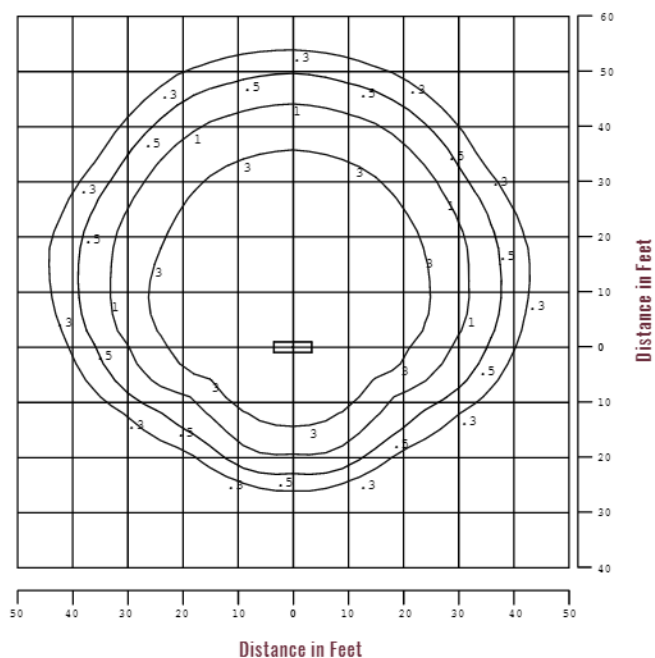
C-LITE
LED LIGHTING

C-WP-B-RDC Series

ISO PLOT CHART

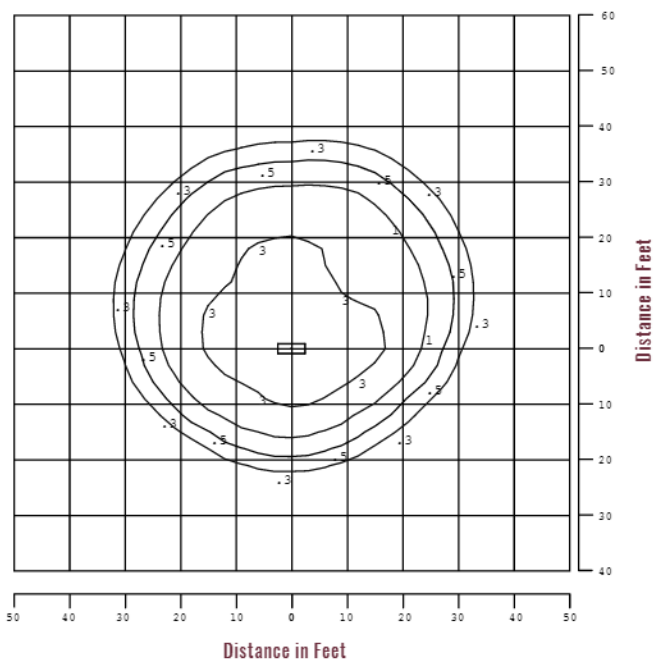
C-WP-B-RDC-20L-50K

Mounting height: 15'



C-WP-B-RDC-6L-50K

Mounting height: 15'



Note: All published photometric testing performed to IES LM-79-08 standards. Fixture photometry was completed on a single representative fixture. Foot candle levels are noted inside graph. **Visit e-conolight.com for the latest EPA data.**

OSQ Series

OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Medium & Large

Rev. Date: V6 07/18/2022

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 6L lumen package is a suitable upgrade for HID applications up to 250 Watt, and the 11L lumen package is a suitable upgrade for HID applications up to 400 Watt. The 22L lumen package is a suitable upgrade for HID applications up to 750 Watts, and the 30L lumen package is a suitable upgrade for HID applications up to 1000 Watts.

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

Performance Summary

Utilizes Cree TrueWhite® Technology on 5000K Luminaires

NanoOptic® Precision Delivery Grid™ optic

Assembled in the USA by Cree Lighting from US and imported parts

Initial Delivered Lumens: 4,000 - 30,000

Efficacy: Up to 173 LPW

CRI: Minimum 70 CRI (3000K, 4000K & 5700K); 90 CRI (5000K)

CCT: 3000K, 4000K, 5000K, 5700K

Limited Warranty*: 10 years on luminaire; 10 years on Colorfast DeltaGuard® finish; 5 years for PML sensor; up to 5 years for Synapse® accessories; 1 year on luminaire accessories

* See <http://creelighting.com/warranty> for warranty terms. For Synapse accessories, consult Synapse spec sheets for details on warranty terms.

Ordering Information

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

Example: **Mount:** OSQ-ML-B-AA-BK + **Luminaire:** OSQ-B-4L-30K7-2M-UL-NM-BK

Mount (Luminaire must be ordered separately)*			
OSQ-			
OSQ-ML-B-AA Adjustable Arm		Color Options:	SV Silver BK Black BZ Bronze WH White
OSQ-ML-B-DA Direct Arm			
OSQ-ML-B-TSP Transportation Mount (stainless steel; do not specify color)			
OSQ-ML-B-TM Trunnion Mount			

* Reference EPA and pole configuration suitability data beginning on page 10

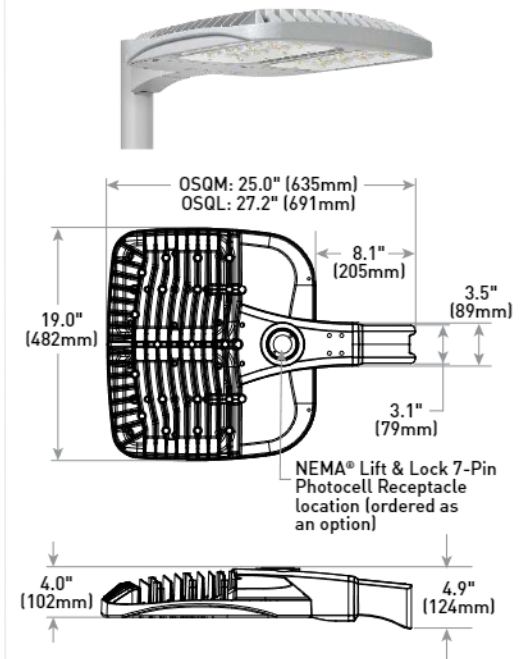
Luminaire (Mount must be ordered separately)										
OSQ	B									
Family	Size	Series	Lumen Package ¹	CCT/CRI	Optic	Voltage	Mount	Color Options	Controls**	Options
OSQ	M Medium L Large	B	Medium 4L 4,000 Lumens 6L 4,000K 6,000 Lumens 9L 9,000 Lumens 11L 11,000 Lumens 16L 16,000 Lumens	30K7 3000K, 70 CRI 40K7 4000K, 70 CRI 50K9 5000K, 90 CRI 57K7 5700K, 70 CRI	Asymmetric 2M* Type II Medium 3M* Type III Medium 4M* Type IV Medium Symmetric 5M Type V Medium 5N Type V Narrow 5O Type V Square N3 Narrow Flood 33 NEMA® 3x3 44 NEMA® 4x4 55 NEMA® 5x5 66 NEMA® 6x6 75 NEMA® 7x5	UL Universal 120-277V UH Universal 347-480V - Not available with 4L or 6L lumen packages	NM No Mount - Must specify mount from table above - Mount ships separately	BK Black BZ Bronze SV Silver WH White	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, Q8, Q7, Q6, Q5, Q4, Q3, Q2, or Q1 - Offers full range adjustability - Refer to pages 12-18 for power and lumen values - Not available with PML or PML2 options X8/X7/X6/X5/X4/X3/X2/X1 Locked Lumen Output - Must select add X8, X7, X6, X5, X4, X3, X2, or X1 - Not available with 22L or 30L lumen packages - X2 or X1 not available with 4L lumen package - Not available with PML or PML2 options - Lumen output is permanently locked to the setting selected - Refer to pages 12-18 for power and lumen values	20KV 20kV/10kA Surge Suppression - Replaces standard 10kV/5kA surge protection F Fuse - Compatible with 120V, 277V or 347V (phase to neutral) - Consult factory if fusing is required for 208V, 240V or 480V (phase to phase) - Refer to PML spec sheet for availability with PML options - When code dictates fusing, use time delay fuse R NEMA® Lift & Lock 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 - Requires photocell or shorting cap by others RL Rotate Left - LED and optic are rotated to the left - Refer to RR/RL configuration diagram on page 19 for optic directionality - Not for use with symmetric optics RR Rotate Right - LED and optic are rotated to the right - Refer to RR/RL configuration diagram on page 19 for optic directionality - Not for use with symmetric optics

¹ Lumen Package codes identify approximate light output only. Actual lumen output levels vary by CCT and optic selection. Refer to Initial Delivered Lumen tables for specific lumen values

* Available with Backlight Shield when ordered with field-installed accessory (see table on page 2)

** Luminaire comes standard with 0-10V dimming

OSQ-ML-B-DA Mount



Luminaire	Weight
OSQM	28.9 lbs. (13.1kg)
OSQL	32.4 lbs. (14.7kg)

Note: Refer to page 11 for fixture mounting drill pattern. For additional mounts, refer to drawings beginning on page 19



US: creelighting.com (800) 236-6800

Canada: creelighting-canada.com (800) 473-1234

CREE LIGHTING®

OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Medium & Large

Product Specifications

CREE TRUEWHITE® TECHNOLOGY

A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology is a patented approach that delivers an exclusive combination of 90+ CRI, beautiful light characteristics and lifelong color consistency, all while maintaining high luminous efficacy – a true no compromise solution.

CONSTRUCTION & MATERIALS

- Slim, low profile design minimizes wind requirements
- Luminaire housing is rugged die cast aluminum with an integral, weatherlight LED driver compartment and high-performance heat sink
- Convenient interlocking mounting method on direct arm. Mounting adaptor is rugged die cast aluminum and mounts to 3" (76mm) or larger square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers. Refer to page 11 for fixture mounting drill pattern.
- 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.
- Transportation mount is constructed of 316 stainless steel and mounts to surface with (4) 3/8" fasteners by others
- Trunnion mount is constructed of A500 and A1011 steel and is adjustable from 0-180° in 15° degree increments. Trunnion mount secures to surface with (1) 3/4" bolt or (2) 1/2" or 3/8" bolts
- Luminaires ordered with NM mount include 18" (340mm) 18/5 or 16/5 cord exiting the luminaire; when combined 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		
Mount	Housing	
	Medium	Large
OSQ-ML-B-AA	28.4 lbs. (12.9kg)	32.0 lbs. (14.5kg)
OSQ-ML-B-DA	28.9 lbs. (13.1kg)	32.4 lbs. (14.7kg)
OSQ-ML-B-TSP	42.0 lbs. (19.1kg)	44.0 lbs. (20.0kg)
OSQ-ML-B-TM	32.6 lbs. (14.8kg)	36.1 lbs. (16.4kg)

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/5kA surge suppression protection standard; 20kV/10kA surge suppression protection optional
- 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
- **Maximum 10V Source Current:** 1.0mA
- **Operating Temperature Range:** -40°C - +40°C (-40°F - +104°F)

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed (UL1598)
- Suitable for wet locations
- Meets NEMA C82.77 standards
- Drivers and LEDs are UL Recognized in accordance with UL8750
- Enclosure rated IP66 per IEC 60529 when ordered without R option. Luminaires with R option meet IP66 requirements per IEC 60529 when used with IP66 rated NEMA control or shorting cap
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2018, 3G bridge and overpass vibration standards
- ANSI C136.2 10kV/5kA (standard) and 20kV/10kA (optional) surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Luminaire and finish endurable tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM B 117
- Assembled in the USA by Cree Lighting from US and imported parts
- Meets Buy American requirements within ARRA
- RoHS compliant. Consult factory for additional details
- Dark Sky Friendly, IDA Approved when ordered with 30K CCT and direct or transportation mounts only. Please refer to <https://www.darksky.org/our-work/lighting/lighting-for-industry/lfa/lfa-products/> for most current information
- DLC Premium qualified versions available. Please refer to <https://www.designlights.org/search/> for most current information
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Product Specifications

SYNAPSE® SIMPLYSNAP INTELLIGENT CONTROL

The Synapse SimplySNAP platform is a highly intuitive connected lighting solution featuring zone dimming, motion sensing, and daylight harvesting with utility-grade power monitoring and support of up to 1000 nodes per gateway. The system features a reliable and robust self-healing mesh network with a browser-based interface that runs on smartphones, tablets, and PCs. The Twist-Lock Lighting Controller (TL7-B2) and Site Controller (SS450-002) take the OSQ Series to a new performance plateau, providing extreme energy productivity, code compliance and a better light experience.

Synapse Wireless Control Accessories	
Twist-Lock Lighting Controller TL7-B2 <ul style="list-style-type: none">- Suitable for 120-277V (UL) voltage only- Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle- Not for use with PML or PML2 options- Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaire- Refer to TL7-B2 spec sheet for details	Synapse Wireless Sensor WSN-DPM <ul style="list-style-type: none">- Motion and light sensor- Control multiple zones- Refer to WSN-DPM spec sheet for details
Twist-Lock Lighting Controller TL7-HVG <ul style="list-style-type: none">- Suitable for 120-480V (UL and UH) voltage- Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle- Not for use with PML or PML2 options- Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaire- Refer to TL7-HVG spec sheet for details	SimplySNAP On-Site Controller SS450-002 <ul style="list-style-type: none">- Verizon® LTE-enabled- Designed for indoor applications- Refer to SS450-002 spec sheet for details
SimplySNAP Central Base Station CBSSW-450-002 <ul style="list-style-type: none">- Includes On-Site Controller (SS450-002) and 5-button switch- Indoor and Outdoor rated- Refer to CBSSW-450-002 spec sheet for details	Building Management System (BMS) Gateway BMS-GW-002 <ul style="list-style-type: none">- Required for BACnet integration- Refer to BMS-GW-002 spec sheet for details
Outdoor Antennas (Optional, for increased range, 8dB gain) KIT-ANT420SM <ul style="list-style-type: none">- Kit includes antenna, 20' cable and bracket KIT-ANT360 <ul style="list-style-type: none">- Kit includes antenna, 30' cable and bracket KIT-ANT600 <ul style="list-style-type: none">- Kit includes antenna, 50' cable and bracket KIT-ANT600 <ul style="list-style-type: none">- Refer to Outdoor antenna spec sheet for details	

Electrical Data*									
Lumen Package	Optic	System Watts 120-480V	Utility Label Wattage	Total Current (A)					
				120V	208V	240V	277V	347V	480V
4L**	All	29	30	0.25	0.14	0.12	0.11	N/A	N/A
6L**	Asymmetric	48	50	0.41	0.23	0.20	0.17	N/A	N/A
	Symmetric	39	40	0.33	0.19	0.17	0.14	N/A	N/A
9L	All	60	60	0.51	0.29	0.25	0.22	0.18	0.13
11L	All	72	70	0.62	0.36	0.31	0.27	0.21	0.16
16L	All	104	100	0.89	0.51	0.43	0.39	0.31	0.22
22L	All	132	130	1.12	0.63	0.55	0.47	0.39	0.28
30L	All	202	200	1.72	0.96	0.84	0.72	0.60	0.43

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/- 10%
** Available with UL voltage only

OSQ Series Ambient Adjusted Lumen Maintenance¹

Ambient	Optic	Initial LMF	25K hr Reported² LMF	50K hr Reported² LMF	75K hr Reported²/ Estimated³ LMF	100K hr Reported²/ Estimated³ LMF
5°C (41°F)	Asymmetric	1.04	1.03	1.01	0.99²	0.97²
	Symmetric	1.05	1.05	1.05	1.05³	1.05³
10°C (50°F)	Asymmetric	1.03	1.02	1.00	0.98²	0.96²
	Symmetric	1.04	1.03	1.03	1.03³	1.03³
15°C (59°F)	Asymmetric	1.02	1.01	0.99	0.97²	0.95²
	Symmetric	1.02	1.02	1.02	1.02³	1.02³
20°C (68°F)	Asymmetric	1.01	1.00	0.98	0.96²	0.94²
	Symmetric	1.01	1.01	1.01	1.01³	1.01³
25°C (77°F)	Asymmetric	1.00	0.99	0.97	0.95²	0.93²
	Symmetric	1.00	1.00	1.00	1.00³	1.00³

¹ Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package 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 IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

³ Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

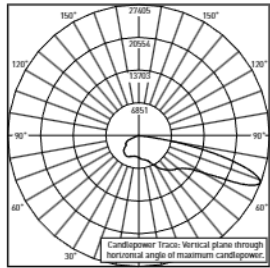
Accessories

Field-Installed		
Backlight Shield (Front Facing Optics) OSQ-BLSMF (Medium) OSQ-BLSLF (Large)	Hand-Held Remote XA-SENSREM <ul style="list-style-type: none">- For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required	Shorting Cap XA-XSLSHRT
Backlight Shield (Rotated Optics) OSQ-BLSMR (Medium) OSQ-BLSLR (Large)		
Bird Spikes OSQ-MED-BRDSPK OSQ-LG-BRDSPK		

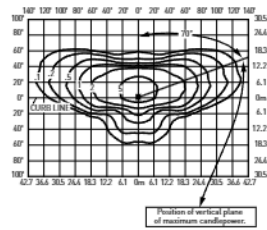
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult:
<https://creelighting.com/products/outdoor/area/osq-series>

2M



RESTL Test Report #: PL16334-001A
 OSQ-B-30L-40K7-2M-UL
 Initial Delivered Lumens: 32,795

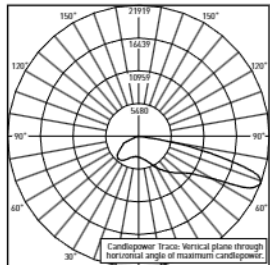


OSQ-B-30L-40K7-2M-UL
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 31,000
 Initial FC at grade

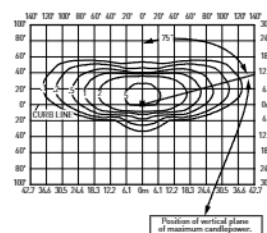
Type II Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
4L	4,290	B1 U0 G1	4,440	B1 U0 G1	3,810	B1 U0 G1	4,440	B1 U0 G1
6L	6,650	B1 U0 G2	6,900	B1 U0 G2	5,925	B1 U0 G1	6,900	B1 U0 G2
9L	8,875	B2 U0 G2	9,200	B2 U0 G2	7,900	B2 U0 G2	9,200	B2 U0 G2
11L	10,800	B2 U0 G2	11,175	B2 U0 G2	9,600	B2 U0 G2	11,175	B2 U0 G2
16L	15,500	B3 U0 G3	16,100	B3 U0 G3	13,800	B2 U0 G2	16,100	B3 U0 G3
22L	20,700	B3 U0 G3	22,100	B3 U0 G3	18,600	B3 U0 G3	22,100	B3 U0 G3
30L	27,800	B3 U0 G4	31,000	B3 U0 G4	22,300	B3 U0 G3	31,000	B3 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



RESTL Test Report #: PL16335-001A
 OSQ-B-30L-40K7-2M-UL w/OSQ-BLSLF
 Initial Delivered Lumens: 25,509



OSQ-B-30L-40K7-2M-UL w/OSQ-BLSLF
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 23,800
 Initial FC at grade

Type II Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	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	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
4L	3,300	B1 U0 G1	3,410	B1 U0 G1	2,930	B1 U0 G1	3,410	B1 U0 G1
6L	5,100	B1 U0 G1	5,300	B1 U0 G1	4,550	B1 U0 G1	5,300	B1 U0 G1
9L	6,825	B1 U0 G2	7,075	B1 U0 G2	6,075	B1 U0 G1	7,075	B1 U0 G2
11L	8,300	B1 U0 G2	8,575	B1 U0 G2	7,375	B1 U0 G2	8,575	B1 U0 G2
16L	11,925	B2 U0 G2	12,350	B2 U0 G2	10,600	B1 U0 G2	12,350	B2 U0 G2
22L	15,900	B2 U0 G2	17,000	B2 U0 G3	14,250	B2 U0 G2	17,000	B2 U0 G3
30L	21,400	B2 U0 G3	23,800	B3 U0 G3	17,100	B2 U0 G3	23,800	B3 U0 G3

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

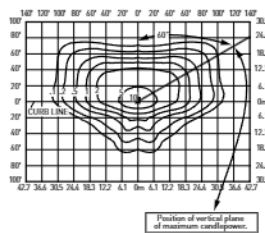
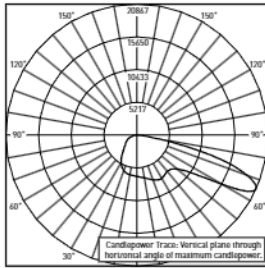
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Photometry

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<https://creelighting.com/products/outdoor/area/osq-series>

3M



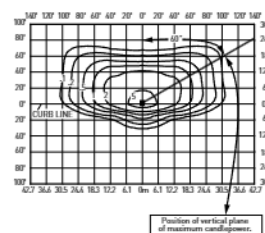
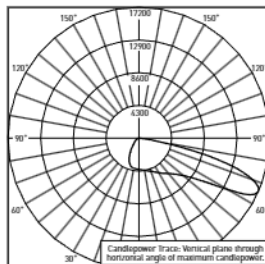
RESTL Test Report #: PL16051-001A
OSQL-B-30L-40K7-3M-UL
Initial Delivered Lumens: 30,908

OSQL-B-30L-40K7-3M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 31,000
Initial FC at grade

Type III Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	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	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
4L	4,290	B1 U0 G1	4,440	B1 U0 G1	3,810	B1 U0 G1	4,440	B1 U0 G1
6L	6,650	B1 U0 G2	6,900	B1 U0 G2	5,925	B1 U0 G2	6,900	B1 U0 G2
9L	8,875	B2 U0 G2	9,200	B2 U0 G2	7,900	B2 U0 G2	9,200	B2 U0 G2
11L	10,800	B2 U0 G2	11,175	B2 U0 G2	9,600	B2 U0 G2	11,175	B2 U0 G2
16L	15,500	B3 U0 G3	16,100	B3 U0 G3	13,800	B2 U0 G2	16,100	B3 U0 G3
22L	20,700	B3 U0 G3	22,100	B3 U0 G3	18,600	B3 U0 G3	22,100	B3 U0 G3
30L	27,800	B3 U0 G4	31,000	B3 U0 G4	22,300	B3 U0 G3	31,000	B3 U0 G4

* 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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RESTL Test Report #: PL16064-001A
OSQL-B-30L-40K7-3M-UL w/OSQ-BLSLF
Initial Delivered Lumens: 22,498

OSQL-B-30L-40K7-3M-UL w/OSQ-BLSLF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 24,500
Initial FC at grade

Type III Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	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	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
4L	3,390	B1 U0 G1	3,510	B1 U0 G1	3,010	B1 U0 G1	3,510	B1 U0 G1
6L	5,250	B1 U0 G2	5,450	B1 U0 G2	4,680	B1 U0 G1	5,450	B1 U0 G2
9L	7,000	B1 U0 G2	7,275	B1 U0 G2	6,225	B1 U0 G2	7,275	B1 U0 G2
11L	8,525	B1 U0 G2	8,825	B1 U0 G2	7,575	B1 U0 G2	8,825	B1 U0 G2
16L	12,250	B2 U0 G2	12,700	B2 U0 G2	10,900	B2 U0 G2	12,700	B2 U0 G2
22L	16,300	B2 U0 G3	17,500	B2 U0 G3	14,650	B2 U0 G3	17,500	B2 U0 G3
30L	21,900	B3 U0 G4	24,500	B3 U0 G4	17,600	B2 U0 G3	24,500	B3 U0 G4

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

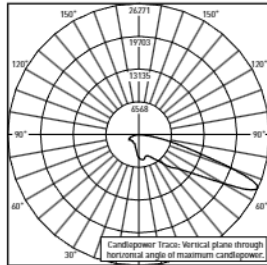
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OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Medium & Large

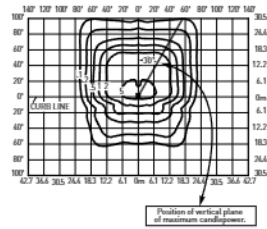
Photometry

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<https://creelighting.com/products/outdoor/area/osq-series>

4M



RESTL Test Report #: PL16065-001B
 OSQ-B-30L-40K7-4M-UL
 Initial Delivered Lumens: 30,752

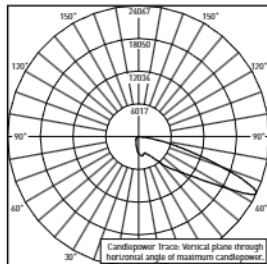


OSQ-B-30L-40K7-4M-UL
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 31,000
 Initial FC at grade

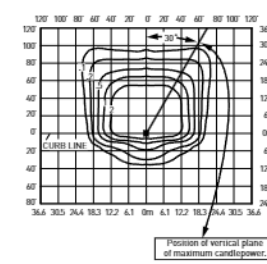
Type IV Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
4L	4,290	B1 U0 G1	4,440	B1 U0 G1	3,810	B1 U0 G1	4,440	B1 U0 G1
6L	6,650	B1 U0 G2	6,900	B1 U0 G2	5,925	B1 U0 G2	6,900	B1 U0 G2
9L	8,875	B2 U0 G2	9,200	B2 U0 G2	7,900	B1 U0 G2	9,200	B2 U0 G2
11L	10,800	B2 U0 G2	11,175	B2 U0 G2	9,600	B2 U0 G2	11,175	B2 U0 G3
16L	15,500	B2 U0 G3	16,100	B2 U0 G3	13,800	B2 U0 G2	16,100	B2 U0 G3
22L	20,700	B3 U0 G3	22,100	B3 U0 G4	18,600	B3 U0 G3	22,100	B3 U0 G4
30L	27,800	B3 U0 G4	31,000	B3 U0 G4	22,300	B3 U0 G4	31,000	B3 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



RESTL Test Report #: PL16066-001B
 OSQ-B-30L-40K7-4M-UL w/OSQ-BLSLF
 Initial Delivered Lumens: 23,654



OSQ-B-30L-40K7-4M-UL w/OSQ-BLSLF
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 23,800
 Initial FC at grade

Type IV Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	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	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
4L	3,300	B0 U0 G1	3,410	B0 U0 G1	2,930	B0 U0 G1	3,410	B0 U0 G1
6L	5,100	B1 U0 G2	5,300	B1 U0 G2	4,550	B1 U0 G1	5,300	B1 U0 G2
9L	6,825	B1 U0 G2	7,075	B1 U0 G2	6,075	B1 U0 G2	7,075	B1 U0 G2
11L	8,300	B1 U0 G2	8,575	B1 U0 G2	7,375	B1 U0 G2	8,575	B1 U0 G2
16L	11,925	B1 U0 G2	12,350	B1 U0 G2	10,600	B1 U0 G2	12,350	B1 U0 G2
22L	15,900	B2 U0 G3	17,000	B2 U0 G3	14,250	B1 U0 G3	17,000	B2 U0 G3
30L	21,400	B2 U0 G4	23,800	B2 U0 G4	17,100	B2 U0 G3	23,800	B2 U0 G4

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

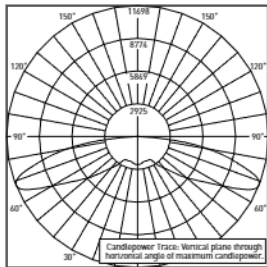
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Photometry

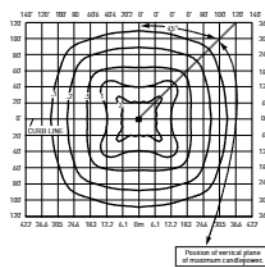
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<https://creelighting.com/products/outdoor/area/osq-series>

5M



RESTL Test Report #: PL16050-001A
OSQ-B-30L-40K7-5M-UL
Initial Delivered Lumens: 26,918



OSQ-B-30L-40K7-5M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 27,800
Initial FC at grade

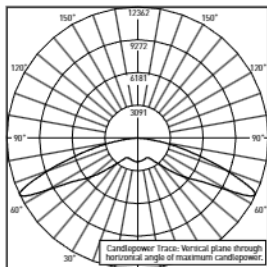
Type V Mid Distribution

Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	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	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
4L	4,190	B3 U0 G2	4,370	B3 U0 G2	3,700	B2 U0 G2	4,370	B3 U0 G2
6L	5,900	B3 U0 G3	6,150	B3 U0 G3	5,200	B3 U0 G2	6,150	B3 U0 G3
9L	9,300	B3 U0 G3	9,700	B4 U0 G3	8,225	B3 U0 G3	9,700	B4 U0 G3
11L	10,850	B4 U0 G3	11,325	B4 U0 G3	9,575	B4 U0 G3	11,325	B4 U0 G3
16L	14,650	B4 U0 G4	15,300	B4 U0 G4	12,950	B4 U0 G4	15,300	B4 U0 G4
22L	20,200	B5 U0 G5	21,700	B5 U0 G5	19,800	B5 U0 G5	21,700	B5 U0 G5
30L	26,600	B5 U0 G5	27,800	B5 U0 G5	23,600	B5 U0 G5	27,800	B5 U0 G5

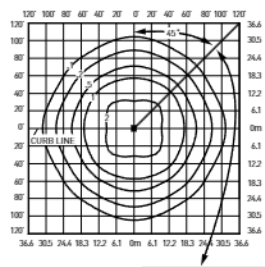
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** 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

5N



RESTL Test Report #: PL16056-001A
OSQ-B-30L-40K7-5N-UL
Initial Delivered Lumens: 29,721



OSQ-B-30L-40K7-5N-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 29,700
Initial FC at grade

Type V Narrow Distribution

Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	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	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
4L	4,430	B3 U0 G1	4,620	B3 U0 G1	3,910	B3 U0 G1	4,620	B3 U0 G1
6L	6,225	B3 U0 G1	6,500	B3 U0 G2	5,500	B3 U0 G1	6,500	B3 U0 G2
9L	9,825	B4 U0 G2	10,250	B4 U0 G2	8,675	B3 U0 G2	10,250	B4 U0 G2
11L	11,450	B4 U0 G2	11,950	B4 U0 G2	10,125	B4 U0 G2	11,950	B4 U0 G2
16L	15,475	B4 U0 G3	16,125	B4 U0 G3	13,675	B4 U0 G2	16,125	B4 U0 G3
22L	21,300	B5 U0 G3	22,900	B5 U0 G3	20,900	B5 U0 G3	22,900	B5 U0 G3
30L	28,400	B5 U0 G4	29,700	B5 U0 G4	25,200	B5 U0 G3	29,700	B5 U0 G4

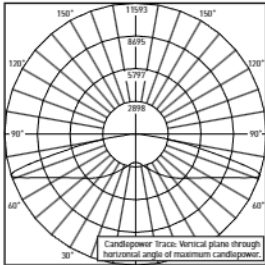
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** 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

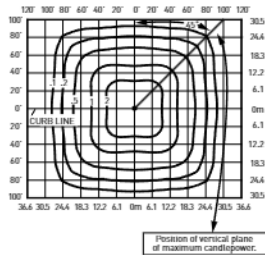
Photometry

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<https://creelighting.com/products/outdoor/area/osq-series>

5Q



RESTL Test Report #: PL16332-001A
 OSQ-B-30L-40K7-5Q-UL
 Initial Delivered Lumens: 29,519



OSQ-B-30L-40K7-5Q-UL
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 29,700
 Initial FC at grade

Type V Square Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	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	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
4L	4,430	B2 U0 G1	4,620	B3 U0 G1	3,910	B2 U0 G1	4,620	B3 U0 G1
6L	6,225	B3 U0 G1	6,500	B3 U0 G1	5,500	B3 U0 G1	6,500	B3 U0 G1
9L	9,825	B3 U0 G2	10,250	B3 U0 G2	8,675	B3 U0 G2	10,250	B3 U0 G2
11L	11,450	B4 U0 G2	11,950	B4 U0 G2	10,125	B3 U0 G2	11,950	B4 U0 G2
16L	15,475	B4 U0 G2	16,125	B4 U0 G2	13,675	B4 U0 G2	16,125	B4 U0 G2
22L	21,300	B4 U0 G2	22,900	B5 U0 G3	20,900	B4 U0 G2	22,900	B5 U0 G3
30L	28,400	B5 U0 G3	29,700	B5 U0 G3	25,200	B5 U0 G3	29,700	B5 U0 G3

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

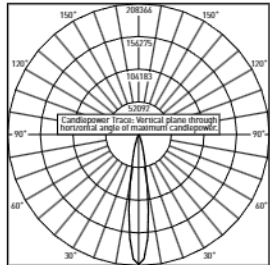
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Photometry

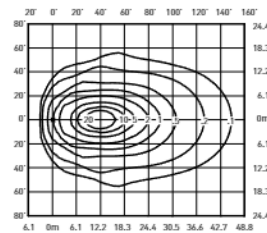
All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult:

<https://creelighting.com/products/outdoor/area/osq-series>

N3



RESTL Test Report #: PL16058-001A
OSQ-B-30L-40K7-N3-UL
Initial Delivered Lumens: 30,311



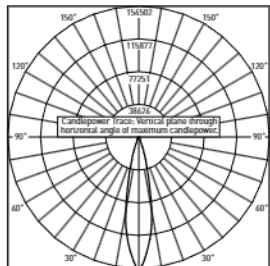
OSQ-B-30L-40K7-N3-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 29,700
Initial FC at grade

Narrow Flood Distribution

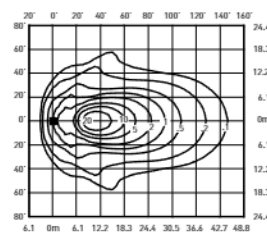
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	4,430	4,620	3,910	4,620
6L	6,225	6,500	5,500	6,500
9L	9,825	10,250	8,675	10,250
11L	11,450	11,950	10,125	11,950
16L	15,475	16,125	13,675	16,125
22L	21,300	22,900	20,900	22,900
30L	28,400	29,700	25,200	29,700

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

33



RESTL Test Report #: PL16059-001A
OSQ-B-30L-40K7-33-UL
Initial Delivered Lumens: 27,709



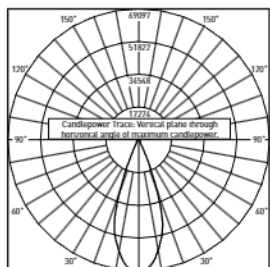
OSQ-B-30L-40K7-33-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 29,700
Initial FC at grade

NEMA® 3x3 Distribution

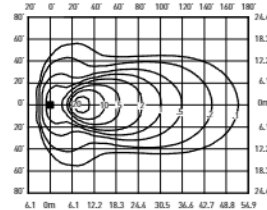
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	4,430	4,620	3,910	4,620
6L	6,225	6,500	5,500	6,500
9L	9,825	10,250	8,675	10,250
11L	11,450	11,950	10,125	11,950
16L	15,475	16,125	13,675	16,125
22L	21,300	22,900	20,900	22,900
30L	28,400	29,700	25,200	29,700

* 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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RESTL Test Report #: PL16060-001A
OSQ-B-30L-40K7-44-UL
Initial Delivered Lumens: 29,939



OSQ-B-30L-40K7-44-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 29,700
Initial FC at grade

NEMA® 4x4 Distribution

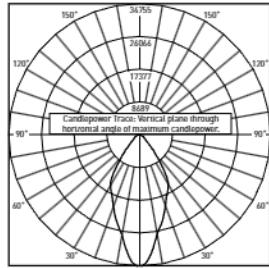
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	4,430	4,620	3,910	4,620
6L	6,225	6,500	5,500	6,500
9L	9,825	10,250	8,675	10,250
11L	11,450	11,950	10,125	11,950
16L	15,475	16,125	13,675	16,125
22L	21,300	22,900	20,900	22,900
30L	28,400	29,700	25,200	29,700

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

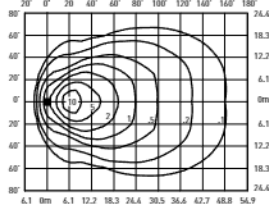
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult:
<https://creelighting.com/products/outdoor/area/osq-series>

55



RESTL Test Report #: PL16333-001A
 OSQ-B-30L-40K7-55-UL
 Initial Delivered Lumens: 29,479

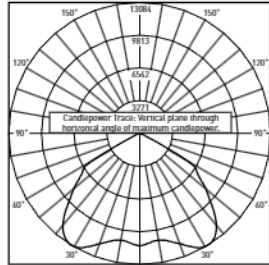


OSQ-B-30L-40K7-55-UL
 Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
 Initial Delivered Lumens: 29,700
 Initial FC at grade

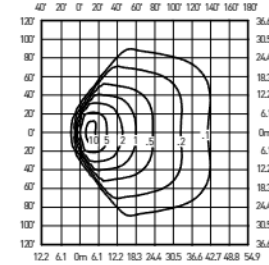
NEMA® 5x5 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	4,430	4,620	3,910	4,620
6L	6,225	6,500	5,500	6,500
9L	9,825	10,250	8,675	10,250
11L	11,450	11,950	10,125	11,950
16L	15,475	16,125	13,675	16,125
22L	21,300	22,900	20,900	22,900
30L	28,400	29,700	25,200	29,700

* 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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RESTL Test Report #: PL16062-001A
 OSQ-B-30L-40K7-66-UL
 Initial Delivered Lumens: 30,037

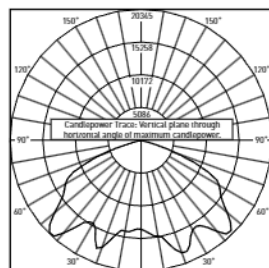


OSQ-B-30L-40K7-66-UL
 Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
 Initial Delivered Lumens: 29,700
 Initial FC at grade

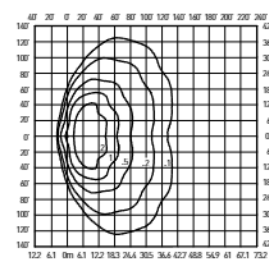
NEMA® 6x6 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	4,430	4,620	3,910	4,620
6L	6,225	6,500	5,500	6,500
9L	9,825	10,250	8,675	10,250
11L	11,450	11,950	10,125	11,950
16L	15,475	16,125	13,675	16,125
22L	21,300	22,900	20,900	22,900
30L	28,400	29,700	25,200	29,700

* 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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RESTL Test Report #: PL16063-001A
 OSQ-B-30L-40K7-75-UL
 Initial Delivered Lumens: 29,997











OSQ-B-30L-40K7-75-UL
 Mounting Height: 25' (7.6m) A.F.G., 60° tilt
 Initial Delivered Lumens: 29,700
 Initial FC at grade

NEMA® 7x5 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	4,430	4,620	3,910	4,620
6L	6,225	6,500	5,500	6,500
9L	9,825	10,250	8,675	10,250
11L	11,450	11,950	10,125	11,950
16L	15,475	16,125	13,675	16,125
22L	21,300	22,900	20,900	22,900
30L	28,400	29,700	25,200	29,700

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

Luminaire EPA

Adjustable Arm Mount – OSQ-ML-B-AA Weight: Medium – 28.4 lbs. (12.9kg); Large – 32.0 lbs. (14.5kg)								
	Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 180°	4 @ 90°
Luminaire	Tenon Configuration (0° -80° Tilt); If used with Cree Lighting 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								
OSQM	0.74	1.48	1.19	1.93	1.63	3.33	4.66	2.38
OSQL	0.80	1.61	1.26	2.06	1.68	3.33	4.66	2.52
10° Tilt								
OSQM	0.75	1.48	1.49	2.23	2.15	4.22	5.84	2.98
OSQL	0.81	1.61	1.62	2.42	2.32	4.40	6.08	3.24
20° Tilt								
OSQM	1.12	1.48	1.86	2.60	2.85	5.31	7.32	3.72
OSQL	1.24	1.61	2.04	2.84	3.13	5.68	7.80	4.08
30° Tilt								
OSQM	1.46	1.48	2.20	2.94	3.56	6.34	8.68	4.40
OSQL	1.64	1.64	2.44	3.24	3.97	6.88	9.40	4.88
45° Tilt								
OSQM	1.96	1.96	2.69	3.43	4.54	7.83	10.68	5.38
OSQL	2.20	2.20	3.00	3.80	5.07	8.55	11.64	6.00
60° Tilt								
OSQM	2.33	2.33	3.07	3.81	5.11	8.94	12.16	6.14
OSQL	2.63	2.63	3.43	4.23	5.73	9.84	13.63	6.86
70° Tilt								
OSQM	2.49	2.49	3.23	3.97	5.11	9.43	12.80	6.46
OSQL	2.82	2.82	3.62	4.42	5.73	10.41	14.12	7.24
80° Tilt								
OSQM	2.58	2.58	3.32	4.06	5.11	9.71	13.16	6.64
OSQL	2.93	2.93	3.73	4.53	5.73	10.74	14.56	7.46
Tenon Configuration (90° Tilt); If used with Cree Lighting 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								
OSQM	2.61	2.61	4.44	6.05	5.11	9.79	13.28	10.39
OSQL	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-ML-B-AA mount WM-4 – L-Shape for OSQ-ML-B-AA mount WM-DM – Plate for OSQ-ML-B-AA 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-ML-B-AA mount

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

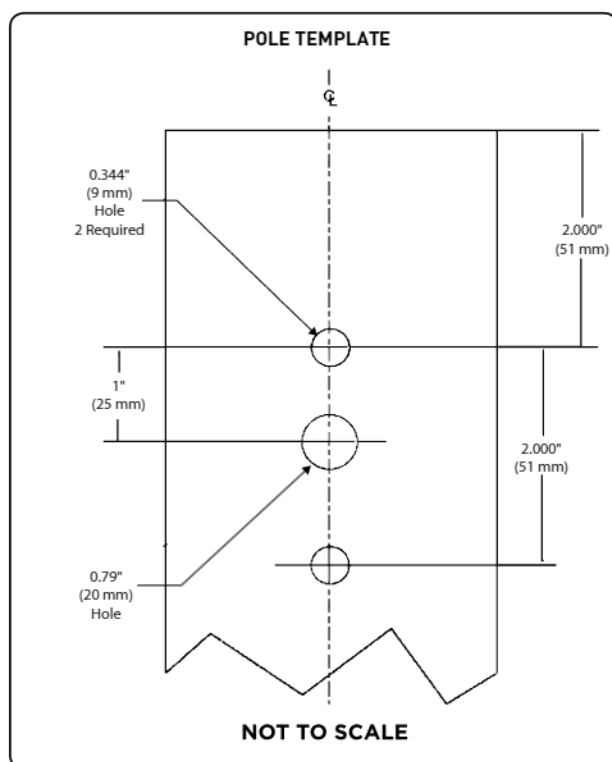
Luminaire EPA

Direct Arm Mount – OSQ-ML-B-DA Weight: Medium - 28.9 lbs. (13.1kg); Large - 32.4 lbs. (14.7kg)						
Luminaire	Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
OSQM	0.74	1.48	1.19	1.93	1.63	2.38
OSQL	0.80	1.61	1.26	2.06	1.68	2.52

Direct Mount Configurations

Compatibility with OSQ-ML-B-DA Direct Mount Bracket					
Size	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
3" Square					
Medium/Large	N/A	✓	N/A	N/A	N/A
3" Round					
Medium/Large	N/A	✓	N/A	N/A	N/A
4" Square					
Medium/Large	✓	✓	✓	N/A	✓
4" Round					
Medium/Large	✓	✓	✓	✓	✓
5" Square					
Medium/Large	✓	✓	✓	N/A	✓
5" Round					
Medium/Large	✓	✓	✓	✓	✓
6" + Square					
Medium/Large	✓	✓	✓	N/A	✓
6" + Round					
Medium/Large	✓	✓	✓	✓	✓

Fixture Mounting Drill Pattern for OSQ-ML-B-DA Mount



Luminaire EPA

Trunnion Mount – OSQ-ML-B-TM Weight: Medium - 32.6 lbs. (14.8kg); Large - 36.1 lbs. (16.4kg)		
Single	Medium	Large
0° Tilt		
0.75		0.81
15° Tilt		
0.99		1.12
30° Tilt		
1.57		1.74
45° Tilt		
2.07		2.35
60° Tilt		
2.46		2.59
75° Tilt		
2.67		2.83
90° Tilt		
2.33		3.07

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.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others).

Q Option Power & Lumen Data – 4L Lumen Package

Q Option Setting	X Option Setting	CCT/CRI	System Watts 120-277V	Lumen Values						Optics Qualified on DLC QPL
				Asymmetric	5M	5N, 5Q & Floods	2M w/BLS	3M w/BLS	4M w/BLS	Premium
Q9 (Full Power)	N/A (Full Power)	30K (70 CRI)	29	4,290	4,190	4,430	3,300	3,390	3,300	2M, 3M, 4M, 5M, 5N, 5Q, N3, 33, 44, 55, 66, 75
		40K (70 CRI)		4,440	4,370	4,620	3,410	3,510	3,410	
		50K (90 CRI)		3,810	3,700	3,910	2,930	3,010	2,930	
		57K (70 CRI)		4,440	4,370	4,620	3,410	3,510	3,410	
Q8	X8	30K (70 CRI)	27	4,120	4,020	4,250	3,170	3,250	3,170	
		40K (70 CRI)		4,260	4,200	4,440	3,270	3,370	3,270	
		50K (90 CRI)		3,660	3,550	3,750	2,810	2,890	2,810	
		57K (70 CRI)		4,260	4,200	4,440	3,270	3,370	3,270	
Q7	X7	30K (70 CRI)	26	3,950	3,850	4,080	3,040	3,120	3,040	
		40K (70 CRI)		4,080	4,020	4,250	3,140	3,230	3,140	
		50K (90 CRI)		3,510	3,400	3,600	2,700	2,770	2,700	
		57K (70 CRI)		4,080	4,020	4,250	3,140	3,230	3,140	
Q6	X6	30K (70 CRI)	24	3,650	3,560	3,770	2,810	2,880	2,810	
		40K (70 CRI)		3,770	3,710	3,930	2,900	2,980	2,900	
		50K (90 CRI)		3,240	3,150	3,320	2,490	2,560	2,490	
		57K (70 CRI)		3,770	3,710	3,930	2,900	2,980	2,900	
Q5	X5	30K (70 CRI)	23	3,560	3,480	3,680	2,740	2,810	2,740	
		40K (70 CRI)		3,690	3,630	3,830	2,830	2,910	2,830	
		50K (90 CRI)		3,160	3,070	3,250	2,430	2,500	2,430	
		57K (70 CRI)		3,690	3,630	3,830	2,830	2,910	2,830	
Q4	X4	30K (70 CRI)	22	3,430	3,350	3,540	2,640	2,710	2,640	
		40K (70 CRI)		3,550	3,500	3,700	2,730	2,810	2,730	
		50K (90 CRI)		3,050	2,960	3,130	2,340	2,410	2,340	
		57K (70 CRI)		3,550	3,500	3,700	2,730	2,810	2,730	
Q3	X3	30K (70 CRI)	20	3,130	3,060	3,230	2,410	2,470	2,410	
		40K (70 CRI)		3,240	3,190	3,370	2,490	2,560	2,490	
		50K (90 CRI)		2,780	2,700	2,850	2,140	2,200	2,140	
		57K (70 CRI)		3,240	3,190	3,370	2,490	2,560	2,490	
Q2	N/A	30K (70 CRI)	18	2,790	2,720	2,880	2,150	2,200	2,150	
		40K (70 CRI)		2,890	2,840	3,000	2,220	2,280	2,220	
		50K (90 CRI)		2,480	2,410	2,540	1,900	1,960	1,900	
		57K (70 CRI)		2,890	2,840	3,000	2,220	2,280	2,220	
Q1	N/A	30K (70 CRI)	16	2,360	2,300	2,440	1,820	1,860	1,820	
		40K (70 CRI)		2,440	2,400	2,540	1,880	1,930	1,880	
		50K (90 CRI)		2,100	2,040	2,150	1,610	1,660	1,610	
		57K (70 CRI)		2,440	2,400	2,540	1,880	1,930	1,880	

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.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others).

Q Option Power & Lumen Data – 6L Lumen Package

Q Option Setting	X Option Setting	CCT/CRI	System Watts 120-277V		Lumen Values						Optics Qualified on DLC QPL
			Asymmetric	Symmetric	Asymmetric	5M	5N, 5Q & Floods	2M w/BLS	3M w/BLS	4M w/BLS	Premium
Q9 (Full Power)	N/A (Full Power)	30K (70 CRI)	48	39	6,650	5,900	6,225	5,100	5,250	5,100	2M, 3M, 4M, 5M, 5N, 5Q, N3, 33, 44, 55, 66, 75
		40K (70 CRI)			6,900	6,150	6,500	5,300	5,450	5,300	
		50K (90 CRI)			5,925	5,200	5,500	4,550	4,680	4,550	
		57K (70 CRI)			6,900	6,150	6,500	5,300	5,450	5,300	
Q8	X8	30K (70 CRI)	45	37	6,375	5,675	5,975	4,900	5,050	4,900	
		40K (70 CRI)			6,625	5,900	6,250	5,100	5,225	5,100	
		50K (90 CRI)			5,700	4,990	5,275	4,370	4,490	4,370	
		57K (70 CRI)			6,625	5,900	6,250	5,100	5,225	5,100	
Q7	X7	30K (70 CRI)	43	35	6,125	5,425	5,725	4,690	4,830	4,690	
		40K (70 CRI)			6,350	5,650	5,975	4,880	5,025	4,880	
		50K (90 CRI)			5,450	4,780	5,050	4,190	4,310	4,190	
		57K (70 CRI)			6,350	5,650	5,975	4,880	5,025	4,880	
Q6	X6	30K (70 CRI)	41	33	5,650	5,025	5,300	4,340	4,460	4,340	
		40K (70 CRI)			5,875	5,225	5,525	4,510	4,630	4,510	
		50K (90 CRI)			5,025	4,420	4,680	3,870	3,980	3,870	
		57K (70 CRI)			5,875	5,225	5,525	4,510	4,630	4,510	
Q5	X5	30K (70 CRI)	39	32	5,525	4,900	5,175	4,230	4,360	4,230	
		40K (70 CRI)			5,725	5,100	5,400	4,400	4,520	4,400	
		50K (90 CRI)			4,920	4,320	4,570	3,780	3,880	3,780	
		57K (70 CRI)			5,725	5,100	5,400	4,400	4,520	4,400	
Q4	X4	30K (70 CRI)	37	31	5,325	4,720	4,980	4,080	4,200	4,080	
		40K (70 CRI)			5,525	4,920	5,200	4,240	4,360	4,240	
		50K (90 CRI)			4,740	4,160	4,400	3,640	3,740	3,640	
		57K (70 CRI)			5,525	4,920	5,200	4,240	4,360	4,240	
Q3	X3	30K (70 CRI)	34	28	4,850	4,310	4,540	3,720	3,830	3,720	
		40K (70 CRI)			5,025	4,490	4,750	3,870	3,980	3,870	
		50K (90 CRI)			4,330	3,800	4,020	3,320	3,420	3,320	
		57K (70 CRI)			5,025	4,490	4,750	3,870	3,980	3,870	
Q2	X2	30K (70 CRI)	31	25	4,320	3,840	4,050	3,320	3,410	3,320	
		40K (70 CRI)			4,490	4,000	4,230	3,450	3,540	3,450	
		50K (90 CRI)			3,850	3,380	3,580	2,960	3,040	2,960	
		57K (70 CRI)			4,490	4,000	4,230	3,450	3,540	3,450	
Q1	X1	30K (70 CRI)	26	22	3,660	3,250	3,420	2,810	2,890	2,810	
		40K (70 CRI)			3,800	3,380	3,580	2,920	3,000	2,920	
		50K (90 CRI)			3,260	2,860	3,030	2,500	2,570	2,500	
		57K (70 CRI)			3,800	3,380	3,580	2,920	3,000	2,920	

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.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others).

Q Option Power & Lumen Data – 9L Lumen Package

Q Option Setting	X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values						Optics Qualified on DLC QPL
				Asymmetric	5M	5N, 5Q & Floods	2M w/BLS	3M w/BLS	4M w/BLS	Premium
Q9 (Full Power)	N/A (Full Power)	30K (70 CRI)	60	8,875	9,300	9,825	6,825	7,000	6,825	2M, 3M, 4M, 5M, 5N, 5Q, N3, 33, 44, 55, 66, 75
		40K (70 CRI)		9,200	9,700	10,250	7,075	7,275	7,075	
		50K (90 CRI)		7,900	8,225	8,675	6,075	6,225	6,075	
		57K (70 CRI)		9,200	9,700	10,250	7,075	7,275	7,075	
Q8	X8	30K (70 CRI)	56	8,525	8,925	9,425	6,550	6,725	6,550	
		40K (70 CRI)		8,825	9,300	9,850	6,800	6,975	6,800	
		50K (90 CRI)		7,575	7,900	8,325	5,825	5,975	5,825	
		57K (70 CRI)		8,825	9,300	9,850	6,800	6,975	6,800	
Q7	X7	30K (70 CRI)	53	8,175	8,550	9,050	6,275	6,450	6,275	
		40K (70 CRI)		8,475	8,925	9,425	6,500	6,700	6,500	
		50K (90 CRI)		7,275	7,575	7,975	5,600	5,725	5,600	
		57K (70 CRI)		8,475	8,925	9,425	6,500	6,700	6,500	
Q6	X6	30K (70 CRI)	50	7,550	7,900	8,350	5,800	5,950	5,800	
		40K (70 CRI)		7,825	8,250	8,725	6,025	6,175	6,025	
		50K (90 CRI)		6,725	7,000	7,375	5,175	5,300	5,175	
		57K (70 CRI)		7,825	8,250	8,725	6,025	6,175	6,025	
Q5	X5	30K (70 CRI)	47	7,375	7,725	8,150	5,675	5,800	5,675	
		40K (70 CRI)		7,625	8,050	8,500	5,875	6,050	5,875	
		50K (90 CRI)		6,550	6,825	7,200	5,050	5,175	5,050	
		57K (70 CRI)		7,625	8,050	8,500	5,875	6,050	5,875	
Q4	X4	30K (70 CRI)	45	7,100	7,450	7,850	5,450	5,600	5,450	
		40K (70 CRI)		7,350	7,750	8,200	5,650	5,825	5,650	
		50K (90 CRI)		6,325	6,575	6,950	4,860	4,980	4,860	
		57K (70 CRI)		7,350	7,750	8,200	5,650	5,825	5,650	
Q3	X3	30K (70 CRI)	41	6,475	6,800	7,175	4,980	5,100	4,980	
		40K (70 CRI)		6,725	7,075	7,475	5,175	5,300	5,175	
		50K (90 CRI)		5,775	6,000	6,325	4,430	4,540	4,430	
		57K (70 CRI)		6,725	7,075	7,475	5,175	5,300	5,175	
Q2	X2	30K (70 CRI)	37	5,775	6,050	6,375	4,440	4,550	4,440	
		40K (70 CRI)		5,975	6,300	6,675	4,600	4,730	4,600	
		50K (90 CRI)		5,125	5,350	5,650	3,950	4,050	3,950	
		57K (70 CRI)		5,975	6,300	6,675	4,600	4,730	4,600	
Q1	X1	30K (70 CRI)	31	4,880	5,125	5,400	3,750	3,850	3,750	
		40K (70 CRI)		5,050	5,325	5,650	3,890	4,000	3,890	
		50K (90 CRI)		4,350	4,520	4,770	3,340	3,420	3,340	
		57K (70 CRI)		5,050	5,325	5,650	3,890	4,000	3,890	

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.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others).

Q Option Power & Lumen Data – 11L Lumen Package

Q Option Setting	X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values						Optics Qualified on DLC QPL
				Asymmetric	5M	5N, 5Q & Floods	2M w/BLS	3M w/BLS	4M w/BLS	Premium
Q9 (Full Power)	N/A (Full Power)	30K (70 CRI)	72	10,800	10,850	11,450	8,300	8,525	8,300	2M, 3M, 4M, 5M, 5N, 5Q, N3, 33, 44, 55, 66, 75
		40K (70 CRI)		11,175	11,325	11,950	8,575	8,825	8,575	
		50K (90 CRI)		9,600	9,575	10,125	7,375	7,575	7,375	
		57K (70 CRI)		11,175	11,325	11,950	8,575	8,825	8,575	
Q8	X8	30K (70 CRI)	67	10,375	10,425	11,000	7,975	8,175	7,975	
		40K (70 CRI)		10,725	10,875	11,475	8,225	8,475	8,225	
		50K (90 CRI)		9,225	9,200	9,725	7,075	7,275	7,075	
		57K (70 CRI)		10,725	10,875	11,475	8,225	8,475	8,225	
Q7	X7	30K (70 CRI)	64	9,925	9,975	10,525	7,625	7,850	7,625	
		40K (70 CRI)		10,275	10,425	11,000	7,900	8,125	7,900	
		50K (90 CRI)		8,825	8,800	9,325	6,775	6,975	6,775	
		57K (70 CRI)		10,275	10,425	11,000	7,900	8,125	7,900	
Q6	X6	30K (70 CRI)	60	9,175	9,225	9,725	7,050	7,250	7,050	
		40K (70 CRI)		9,500	9,625	10,150	7,300	7,500	7,300	
		50K (90 CRI)		8,150	8,150	8,600	6,275	6,450	6,275	
		57K (70 CRI)		9,500	9,625	10,150	7,300	7,500	7,300	
Q5	X5	30K (70 CRI)	57	8,975	9,000	9,500	6,900	7,075	6,900	
		40K (70 CRI)		9,275	9,400	9,925	7,125	7,325	7,125	
		50K (90 CRI)		7,975	7,950	8,400	6,125	6,275	6,125	
		57K (70 CRI)		9,275	9,400	9,925	7,125	7,325	7,125	
Q4	X4	30K (70 CRI)	54	8,650	8,675	9,150	6,650	6,825	6,650	
		40K (70 CRI)		8,950	9,050	9,550	6,850	7,050	6,850	
		50K (90 CRI)		7,675	7,650	8,100	5,900	6,050	5,900	
		57K (70 CRI)		8,950	9,050	9,550	6,850	7,050	6,850	
Q3	X3	30K (70 CRI)	49	7,875	7,925	8,350	6,050	6,225	6,050	
		40K (70 CRI)		8,150	8,275	8,725	6,250	6,450	6,250	
		50K (90 CRI)		7,000	7,000	7,400	5,375	5,525	5,375	
		57K (70 CRI)		8,150	8,275	8,725	6,250	6,450	6,250	
Q2	X2	30K (70 CRI)	44	7,025	7,050	7,450	5,400	5,550	5,400	
		40K (70 CRI)		7,275	7,350	7,775	5,575	5,725	5,575	
		50K (90 CRI)		6,250	6,225	6,575	4,790	4,920	4,790	
		57K (70 CRI)		7,275	7,350	7,775	5,575	5,725	5,575	
Q1	X1	30K (70 CRI)	37	5,950	5,975	6,300	4,570	4,690	4,570	
		40K (70 CRI)		6,150	6,225	6,575	4,720	4,850	4,720	
		50K (90 CRI)		5,275	5,275	5,575	4,060	4,170	4,060	
		57K (70 CRI)		6,150	6,225	6,575	4,720	4,850	4,720	

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.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others).

Q Option Power & Lumen Data – 16L Lumen Package

Q Option Setting	X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values						Optics Qualified on DLC QPL	
				Asymmetric	5M	5N, 5Q & Floods	2M w/BLS	3M w/BLS	4M w/BLS	Premium	
Q9 (Full Power)	N/A (Full Power)	30K (70 CRI)	104	15,500	14,650	15,475	11,925	12,250	11,925	2M, 3M, 4M, 5M, 5N, 5Q, N3, 33, 44, 55, 66, 75	
		40K (70 CRI)		16,100	15,300	16,125	12,350	12,700	12,350		
		50K (90 CRI)		13,800	12,950	13,675	10,600	10,900	10,600		
		57K (70 CRI)		16,100	15,300	16,125	12,350	12,700	12,350		
Q8	X8	30K (70 CRI)	100	14,875	14,075	14,850	11,450	11,750	11,450		
		40K (70 CRI)		15,500	14,700	15,500	11,850	12,200	11,850		
		50K (90 CRI)		13,250	12,425	13,125	10,175	10,475	10,175		
		57K (70 CRI)		15,500	14,700	15,500	11,850	12,200	11,850		
Q7	X7	30K (70 CRI)	96	14,250	13,475	14,225	10,975	11,275	10,975		
		40K (70 CRI)		14,800	14,075	14,825	11,350	11,675	11,350		
		50K (90 CRI)		12,700	11,925	12,575	9,750	10,025	9,750		
		57K (70 CRI)		14,800	14,075	14,825	11,350	11,675	11,350		
Q6	X6	30K (70 CRI)	88	13,175	12,450	13,150	10,125	10,425	10,125		
		40K (70 CRI)		13,675	13,000	13,700	10,500	10,800	10,500		
		50K (90 CRI)		11,725	11,000	11,625	9,000	9,275	9,000		
		57K (70 CRI)		13,675	13,000	13,700	10,500	10,800	10,500		
Q5	X5	30K (70 CRI)	85	12,875	12,150	12,850	9,900	10,175	9,900		
		40K (70 CRI)		13,375	12,700	13,375	10,250	10,550	10,250		
		50K (90 CRI)		11,450	10,750	11,350	8,800	9,050	8,800		
		57K (70 CRI)		13,375	12,700	13,375	10,250	10,550	10,250		
Q4	X4	30K (70 CRI)	81	12,400	11,725	12,375	9,550	9,800	9,550		
		40K (70 CRI)		12,875	12,250	12,900	9,875	10,150	9,875		
		50K (90 CRI)		11,050	10,350	10,950	8,475	8,725	8,475		
		57K (70 CRI)		12,875	12,250	12,900	9,875	10,150	9,875		
Q3	X3	30K (70 CRI)	73	11,325	10,700	11,300	8,700	8,950	8,700		
		40K (70 CRI)		11,750	11,175	11,775	9,025	9,275	9,025		
		50K (90 CRI)		10,075	9,450	9,975	7,750	7,950	7,750		
		57K (70 CRI)		11,750	11,175	11,775	9,025	9,275	9,025		
Q2	X2	30K (70 CRI)	65	10,075	9,525	10,050	7,750	7,975	7,750		
		40K (70 CRI)		10,475	9,950	10,475	8,025	8,250	8,025		
		50K (90 CRI)		8,975	8,425	8,900	6,900	7,075	6,900		
		57K (70 CRI)		10,475	9,950	10,475	8,025	8,250	8,025		
Q1	X1	30K (70 CRI)	54	8,525	8,050	8,500	6,550	6,750	6,550		
		40K (70 CRI)		8,850	8,425	8,875	6,800	6,975	6,800		
		50K (90 CRI)		7,600	7,125	7,525	5,825	6,000	5,825		
		57K (70 CRI)		8,850	8,425	8,875	6,800	6,975	6,800		

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 – 22L Lumen Package

Q Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values						Optics Qualified on DLC QPL
			Asymmetric	5M	5N, 5Q & Floods	2M w/BLS	3M w/BLS	4M w/BLS	Premium
Q9 (Full Power)	30K7	132	20,700	20,200	21,300	15,900	16,300	15,900	2M, 3M, 4M, 5M, 5N, 5Q, N3, 33, 44, 55, 66, 75
	40K7		22,100	21,700	22,900	17,000	17,500	17,000	
	50K9		18,600	19,800	20,900	14,250	14,650	14,250	
	57K7		22,100	21,700	22,900	22,300	17,500	22,300	
Q8	30K7	122	19,300	18,800	19,800	14,775	15,200	14,775	
	40K7		20,600	20,200	21,300	15,800	16,300	15,800	
	50K9		17,300	18,400	19,400	13,250	13,625	13,250	
	57K7		20,600	20,200	21,300	15,800	16,300	15,800	
Q7	30K7	117	18,600	18,200	19,200	14,300	14,675	14,300	
	40K7		19,900	19,500	20,600	15,300	15,800	15,300	
	50K9		16,700	17,800	18,800	12,825	13,175	12,825	
	57K7		19,900	19,500	20,600	15,300	15,800	15,300	
Q6	30K7	108	17,200	16,800	17,700	13,200	13,525	13,200	
	40K7		18,300	18,000	19,000	14,100	14,525	14,100	
	50K9		15,400	16,400	17,300	11,825	12,150	11,825	
	57K7		18,300	18,000	19,000	14,100	14,525	14,100	
Q5	30K7	104	16,800	16,400	17,300	12,875	13,200	12,875	
	40K7		17,900	17,600	18,500	13,775	14,175	13,775	
	50K9		15,100	16,000	16,900	11,550	11,875	11,550	
	57K7		17,900	17,600	18,500	13,775	14,175	13,775	
Q4	30K7	99	16,100	15,800	16,600	12,400	12,725	12,400	
	40K7		17,200	16,900	17,900	13,250	13,650	13,250	
	50K9		14,500	15,400	16,300	11,125	11,425	11,125	
	57K7		17,200	16,900	17,900	13,250	13,650	13,250	
Q3	30K7	89	14,700	14,350	15,100	11,300	11,575	11,300	
	40K7		15,700	15,400	16,300	12,075	12,425	12,075	
	50K9		13,200	14,050	14,850	10,125	10,400	10,125	
	57K7		15,700	15,400	16,300	12,075	12,425	12,075	
Q2	30K7	80	13,250	12,925	13,625	10,175	10,425	10,175	
	40K7		14,150	13,900	14,650	10,875	11,200	10,875	
	50K9		11,900	12,675	13,375	9,125	9,375	9,125	
	57K7		14,150	13,900	14,650	10,875	11,200	10,875	
Q1	30K7	66	10,975	10,700	11,300	8,425	8,650	8,425	
	40K7		11,725	11,500	12,125	9,000	9,275	9,000	
	50K9		9,850	10,500	11,075	7,550	7,775	7,550	
	57K7		11,725	11,500	12,125	9,000	9,275	9,000	

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.

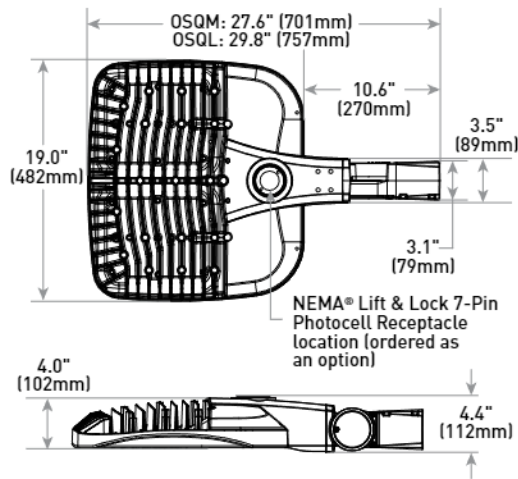
Q Option Power & Lumen Data – 30L Lumen Package

Q Option Setting	CCT/ CRI	System Watts 120-480V	Lumen Values						Optics Qualified on DLC QPL
			Asymmetric	5M	5N, 5Q & Floods	2M w/BLS	3M w/BLS	4M w/BLS	Premium
Q9 (Full Power)	30K7	202	27,800	26,600	28,400	21,400	21,900	21,400	2M, 3M, 4M, 5M, 5N, 5Q, N3, 33, 44, 55, 66, 75
	40K7		31,000	27,800	29,700	23,800	24,500	23,800	
	50K9		22,300	23,600	25,200	17,100	17,600	17,100	
	57K7		31,000	27,800	29,700	23,800	24,500	23,800	
Q8	30K7	191	27,000	25,800	27,500	20,800	21,200	20,800	
	40K7		30,100	27,000	28,800	23,100	23,800	23,100	
	50K9		21,600	22,900	24,400	16,600	17,100	16,600	
	57K7		30,100	27,000	28,800	23,100	23,800	23,100	
Q7	30K7	181	25,600	24,500	26,100	19,700	20,100	19,700	
	40K7		28,500	25,600	27,300	21,900	22,500	21,900	
	50K9		20,500	21,700	23,200	15,700	16,200	15,700	
	57K7		28,500	25,600	27,300	21,900	22,500	21,900	
Q6	30K7	173	24,700	23,700	25,300	19,000	19,500	19,000	
	40K7		27,600	24,700	26,400	21,200	21,800	21,200	
	50K9		19,800	21,000	22,400	15,200	15,700	15,200	
	57K7		27,600	24,700	26,400	21,200	21,800	21,200	
Q5	30K7	159	22,800	21,800	23,300	17,500	18,000	17,500	
	40K7		25,400	22,800	24,400	19,500	20,100	19,500	
	50K9		18,300	19,400	20,700	14,025	14,425	14,025	
	57K7		25,400	22,800	24,400	19,500	20,100	19,500	
Q4	30K7	143	21,100	20,200	21,600	16,300	16,600	16,300	
	40K7		23,600	21,100	22,600	18,100	18,600	18,100	
	50K9		16,900	17,900	19,200	13,000	13,375	13,000	
	57K7		23,600	21,100	22,600	18,100	18,600	18,100	
Q3	30K7	128	18,900	18,100	19,300	14,550	14,900	14,550	
	40K7		21,100	18,900	20,200	16,200	16,700	16,200	
	50K9		15,200	16,000	17,100	11,625	11,975	11,625	
	57K7		21,100	18,900	20,200	16,200	16,700	16,200	
Q2	30K7	114	17,000	16,200	17,300	13,050	13,350	13,050	
	40K7		18,900	17,000	18,100	14,525	14,950	14,525	
	50K9		13,600	14,400	15,400	10,425	10,725	10,425	
	57K7		18,900	17,000	18,100	14,525	14,950	14,525	
Q1	30K7	101	15,300	14,625	15,600	11,775	12,050	11,775	
	40K7		17,100	15,300	16,300	13,100	13,475	13,100	
	50K9		12,275	12,975	13,850	9,400	9,675	9,400	
	57K7		17,100	15,300	16,300	13,100	13,475	13,100	

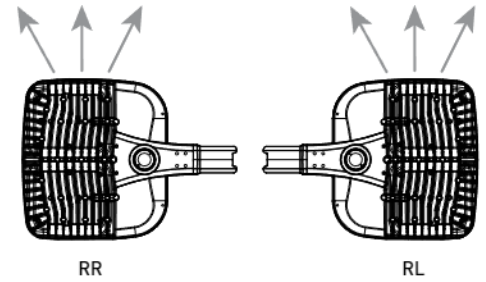
OSQ-ML-B-AA Mount



Luminaire	Weight
OSQM	28.4 lbs. [12.9kg]
OSQL	32.0 lbs. [14.5kg]



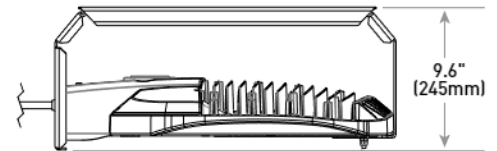
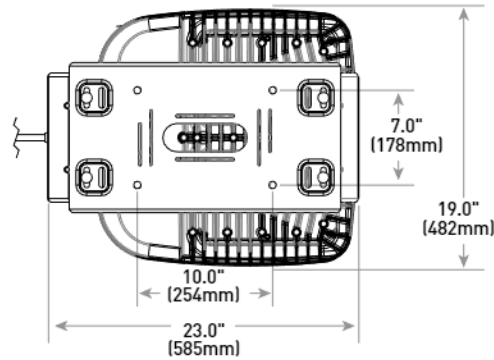
RR/RL Configuration



OSQ-ML-B-TSP Mount



Luminaire	Weight
OSQM	42.0 lbs. [19.1kg]
OSQL	44.0 lbs. [20.0kg]

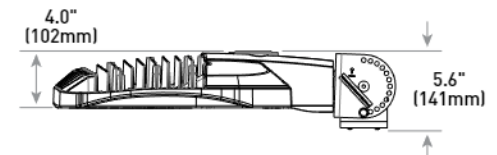
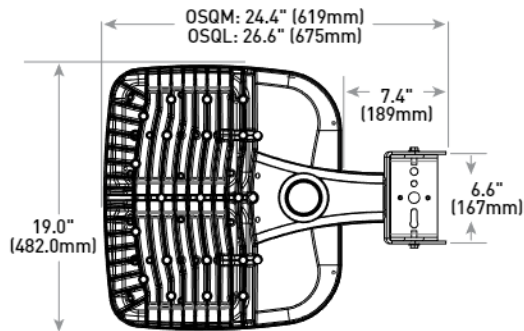


OSQ Large luminaire shown.

OSQ-ML-B-TM Mount



Luminaire	Weight
OSQM	32.6 lbs. [14.8kg]
OSQL	36.1 lbs. [16.4kg]



OSQ Large luminaire shown.

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